



LEDVANCE



THE NEW PORTFOLIO AT A GLANCE

# LED LUMINAIRES

MARCH 2024

# SHEDDING LIGHT, SYMBOLS AND ABBREVIATIONS

## LIST OF ABBREVIATIONS

<b>ASYM</b>	Asymmetric
<b>AT</b>	Auto Test
<b>BK</b>	Black
<b>CCT</b>	Correlated Color Temperature
<b>D</b>	Direct
<b>DA</b>	Double Asymmetric
<b>D/I</b>	Direct/Indirect
<b>DEG</b>	Degree (beam angle)
<b>DK</b>	Dark Light (cut-off)
<b>DL</b>	Downlight
<b>DN</b>	Diameter Nominal
<b>DP</b>	Damp Proof
<b>DS</b>	Double Symmetric
<b>EM</b>	Emergency
<b>ER</b>	Energy Rail
<b>FL</b>	Flood (beam angle)
<b>Flood</b>	Floodlight
<b>FP</b>	Fire-Proof (fire rated up to ...)
<b>GY</b>	Gray
<b>HB</b>	High Bay
<b>HO</b>	High Output
<b>IND</b>	Indirect
<b>INDV</b>	IndiviLED
<b>LN</b>	Linear
<b>MT</b>	Manual Test
<b>MP</b>	Microprismatic (= UGR < 19)
<b>N</b>	Narrow (beam angle)
<b>NFL</b>	Narrow Flood (beam angle)
<b>O</b>	Outdoor
<b>OP</b>	Opal
<b>PFM</b>	Performance
<b>RD</b>	Round
<b>S</b>	Sensor
<b>SF</b>	Surface
<b>SI</b>	Silver
<b>SP</b>	Spot
<b>SQ</b>	Square
<b>Surface-C</b>	Surface Circular
<b>SYM</b>	Symmetric
<b>TH</b>	Through-wiring
<b>Track</b>	Tracklight
<b>UGR</b>	Unified Glare Rating
<b>UO</b>	Ultra Output
<b>VAL</b>	Value
<b>VN</b>	Very Narrow Beam Angle
<b>VW</b>	Very Wide Beam Angle
<b>W</b>	Wide (90° beam)
<b>WT</b>	White
<b>WW</b>	Wallwasher = asymmetric



Type of protection



Type of protection, back/front



IK impact rating



Color rendering index



MacAdam color consistency



Dimmable or DALI



Luminous flux in lm



Power in W



Color temperature in K



Luminous efficacy



Guarantee



Sensor versions



Motion/light sensor



Ceiling opening



Replacement for traditional lamp technology



t [h]: L70/B50 @ 25 °C (T<sub>a</sub>)



t [h]: L80/B10 @ 25 °C (T<sub>a</sub>)



t [h]: L90/B10 @ 25 °C (T<sub>a</sub>)



Beam angle in °



Weight



Unit of packaging



Fig. no.



Power Select



Protection class I



Protection class II



ENEC certification



TÜV Süd certification



TÜV Rheinland certification



Compatible with light management systems



Compatible with cloud services



Human Centric Lighting



Tunable White

\*IoT = Internet of Things. This means that the systems can provide evaluations in the form of dashboards or can be connected to cloud solutions that monitor energy consumption and maintenance cycles, for example.

# POWER THROUGH LIGHT



## YOUR GLOBAL PLAYER **LEDVANCE**

Having emerged from the traditional company of OSRAM and with more than 100 years of lighting know-how behind us, we are now the world's second largest market player in general lighting. Together with the MLS Group, of which we have been a member since 2016, we are contributing to a more sustainable world with our advanced and energy-efficient lighting solutions.



## FOR YOUR PROJECTS **TOP SUPPORT**

Whether it's lighting advice, customized solutions, energy analyses or feasibility studies, lighting professionals can always rely on LEDVANCE's support – in over 140 countries and many different sectors, from office, education, sports and hospitality to shop, industrial, logistics and street lighting.



## LIGHTING FOR MORE **SUSTAINABILITY**

Our sustainability tagline "From line to loop" makes our vision to contribute to a greener planet and a better life with intelligent lighting solutions more real. Our new EVERLOOP and NATURELOOP product lines support the transition from linear to circular economic processes, reducing waste, and energy and resource consumption.



## A FULL RANGE OF LIGHTING **ONE-STOP SHOP**

LEDVANCE offers professional and private users everything from a single source – from lamps, luminaires and LED strips to innovative light management systems and smart home solutions. We have now added pioneering photovoltaic products to our portfolio of all-round excellent lighting solutions.



## WE PROUDLY PRESENT OUR **LED LUMINAIRES**

In this brochure you will find our LED luminaires for professional use. A wide range and numerous accessories offer the best light in almost every indoor and outdoor application as well as easy integration into lighting management systems such as VIVARES. Our luminaires are not only easy to plan, install and combine. They also blend high functionality with efficiency and sustainability. The best example being the new EVERLOOP Linear IndiviLED luminaires, which support the replacement of essential components and thus save valuable resources.

**Discover more on the following pages!**



**MORE INFORMATION:**  
[ledvance.com/professional](http://ledvance.com/professional)



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**STANDARD APPLICATIONS:** Public Areas | Shops | Stairways | Corridors  
Foyers | Bathrooms | Kitchens

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**STANDARD APPLICATIONS:** General Indoor Lighting | Public Buildings  
Offices | Conference Rooms | Corridors

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**STANDARD APPLICATIONS:** General Illumination | Hotels | Restaurants  
Cafés | Accent Lighting | Galleries | Museums | Residential Interiors

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**STANDARD APPLICATIONS:** General Indoor Lighting | Offices | Libraries  
Schools | Corridors | Entrance Areas

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**STANDARD APPLICATIONS:** Shops | Fashion Stores | Boutiques  
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**STANDARD APPLICATIONS:** Public Buildings | Corridors | Entrance Areas  
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**STANDARD APPLICATIONS:** Public Areas | Walkways | Stairways  
Bathrooms | Foyers

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**STANDARD APPLICATIONS:** Factories | Warehouses | Discounters  
Workshops



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**STANDARD APPLICATIONS:** Factories and Warehouses | Parking Lots  
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**STANDARD APPLICATIONS:** M-, C- and P-class Roads  
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**STANDARD APPLICATIONS:** Warehouses | Logistics Centers | Industry  
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**STANDARD APPLICATIONS:** Escape Routes (Corridors) | Open Areas  
(Anti-Panic) | Public Buildings | Shops | Offices

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**STANDARD APPLICATIONS:** Warehouses | Logistics Halls | Industrial and  
Storage Facilities | Discounters, Supermarkets

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**STANDARD APPLICATIONS:** Building Facades | Public Areas  
Industry | Lighting of large Areas | Sports Facilities | Construction Sites  
Parking Lots | Underpasses

Look for the following to help navigate  
this brochure and learn more:

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Click for further information



All the following values for the IP and IK  
protection classes apply exclusively to  
luminaires (excluding accessories).

# BETTER LIGHT – QUICK AND EASY TO INSTALL LED LUMINAIRES FROM LEDVANCE

## FOCUSING ON YOUR NEEDS

LEDVANCE is a strong partner to have by your side when you need to inspire your customers with perfect lighting solutions. We listen carefully to installers and lighting professionals – and are constantly working to improve our products and services. We aim not just to meet your expectations but exceed them – in the choice of products, the quality of the light and simple, user-friendly installation.

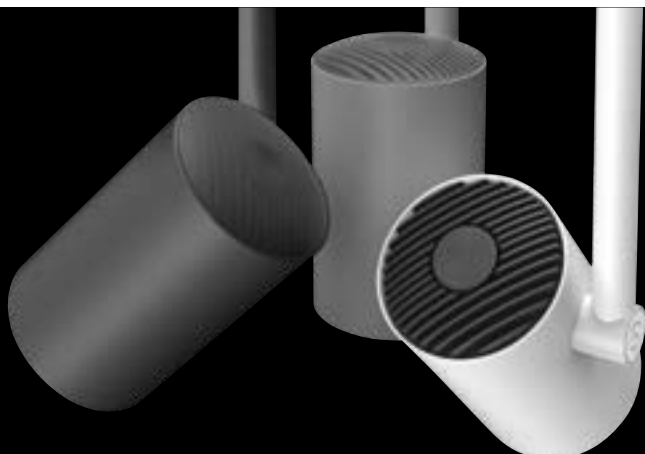
We're proving it once again with our revised and greatly expanded luminaire portfolio. Improved in performance and efficiency, and including a number of new products, it now offers you even more options for office, industrial, parking, shop and urban applications.

This allows you to give your customers convincing answers to today's challenges for every project – sustainable lighting solutions that save energy and resources, reduce maintenance costs and combine high functionality with high lighting quality.

## TOGETHER FOR BETTER LIGHT

LEDVANCE supports you with a comprehensive lighting portfolio from a single source, an excellent price-performance ratio and guarantees<sup>1</sup> of up to 5 years. But that's not nearly all. Our services are perfectly tailored to the needs of professional users. For example, our global supplier and sales network means we are always at your side wherever you may be. And you can count on us throughout all your lighting projects – from initial consultation to technical after-sales support.

<sup>1</sup> For precise terms and conditions go to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)



## SCALE – AWARD-WINNING LUMINAIRE DESIGN

Design makes products unique – like our individual, aesthetic and functional SCALE design language. It combines unique luminaire design with tangible value in every product and takes the modern tonality of the LEDVANCE brand into new territory. A fascinating combination of form and function, which is loved not only by our customers – as the 2019 German Design Award proves.



# EASY TO INSTALL LUMINAIRE



## YOUR BENEFITS AT A GLANCE



Global network



Extensive portfolio  
from a single source



Outstanding services

## FULL SERVICE FOR YOUR PROJECT SUCCESS

In addition to first-class products and competent customer service ([contact@ledvance.com](mailto:contact@ledvance.com)), we support you in numerous other ways throughout your lighting projects. Go to [www.ledvance.com](http://www.ledvance.com) and discover valuable service concepts such as the Fast Light Calculation Tool, our eLearning modules or the DIALux/RELUX light planning software.

## ENGINEER-TO-ORDER LUMINAIRE

Do you need tailor-made luminaires for a project? We are happy to develop a lighting solution adapted to your needs.

**Please get in touch to discuss  
your requirements.**







# SUSTAINABILITY OUR STRATEGY

## SUSTAINABLE SUCCESS – MANY WAYS ONE DIRECTION

Sustainability is a hot topic of our time. But just talking about it isn't enough. Instead we need to back up our good intentions with concrete action. That's why LEDVANCE has come up with a new, comprehensive sustainability strategy to create a solid foundation for aligning the company with a sustainable future.



At LEDVANCE, sustainability is not a destination but a continuous journey. It's about more than just being environmentally conscious; it's about reshaping our practices, reducing our carbon footprint, creating collaborative spaces, and promoting ethical business conduct. This includes new product ranges, reducing CO<sub>2</sub> levels by a million tonnes annually in transportation and improving demand planning with AI.

## FROM LINE TO LOOP

WE INTRODUCED THE “LEDVANCE LOOP”, A NEW UMBRELLA SUB-BRAND THAT CONSOLIDATES ALL OUR GLOBAL SUSTAINABILITY EFFORTS AND MEASURES.

Our sustainability tagline “From line to loop” refers to LEDVANCE’s transition from linear processes (take-make-waste) to circular ones (take-make-reuse + repeat).



## SUSTAINABLE WITH OUR SEAL OF APPROVAL

LEDVANCE is aware of its responsibility as a global company.

Just how serious we take our commitment is demonstrated by the silver medal awarded by EcoVadis, one of the world's most renowned providers of sustainability assessments.



Performance of LEDVANCE in EcoVadis business sustainability rating

# LEDVANCE EVERLOOP

## THE FUTURE IS CIRCULAR



### REPLACE, DON'T WASTE

EVERLOOP luminaires are designed so that their light sources and drivers can be easily replaced, which means the luminaires themselves can remain in use almost indefinitely.

With its innovative EVERLOOP luminaires, LEDVANCE is launching a new product line that encourages the transition from a linear to a circular lifecycle. Their USP is that any of the critical components can be easily upgraded. The luminaires and the overall installation can therefore always be kept functional and up-to-date – resulting in an almost unlimited life.

### YOUR BENEFITS AT A GLANCE



#### LESS WASTE

The only components that get replaced are the ones that are either faulty or out of date. This reduces electronic waste – in line with future EU requirements. And the savings go on and on because the old components are recycled and materials used to manufacture new products.



#### LONG LIFE

Once installed, an EVERLOOP luminaire can be in use almost indefinitely. Not only is that a good example of sustainability, it also saves costs in the long term.



#### FUTURE-PROOF SOLUTION

Increasingly more tenders, projects and funding programs have reparability as one of their requirements. With EVERLOOP you are always on the safe side.



#### CONVENIENT UPGRADES

The LED light sources and drivers can be easily replaced so you can adapt EVERLOOP luminaires to changing conditions in an instant.

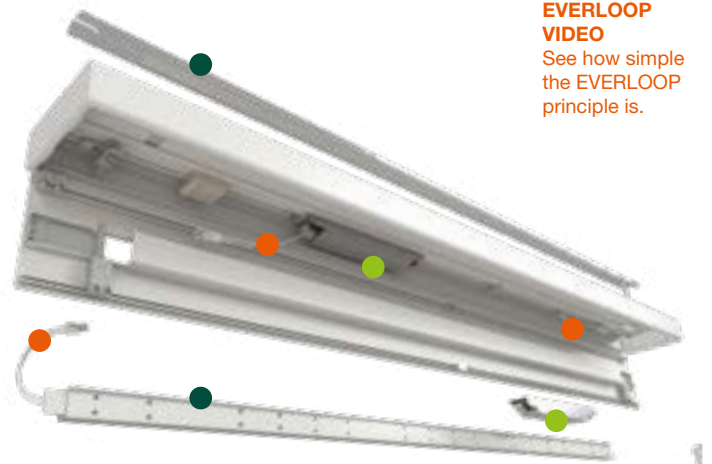
View the first EVERLOOP luminaire family, Linear IndiviLED Gen 2 on pg. 117.

### HOW EVERLOOP WORKS IN DETAIL

EVERLOOP luminaires are well thought-out right down to the finest detail and are highly functional. This makes installing them and replacing critical components particularly easy, as shown in this example of the Linear IndiviLED Gen 2.



**EVERLOOP VIDEO**  
See how simple the EVERLOOP principle is.



LED LIGHT SOURCE  
Easy to change



LED DRIVER  
With quick-release mechanism



CONNECTOR  
Easy to connect





# SIMPLY SWITCH TO LED NOW! FLEXIBLE SOLUTIONS FOR AN EASY SWITCH

**The ban on mercury-containing and inefficient lamps has been in force since 2023. With high energy costs and increasing demand for sustainable lighting, now is the best time to move over to EU-compliant, energy-efficient and cost-effective LED lighting.**

LEDVANCE offers an alternative for every need with a comprehensive range of luminaires, intelligent lighting products and advanced LED lamps. The solutions with LED lamps are simple and economically attractive as the luminaire can be retained. Switching to LED luminaires can also optimize light output and quality, which can also significantly increase productivity.



# 4 OPTIONS FOR ALL SITUATIONS – HOW TO SWITCH

## SOLUTIONS WITH LED LAMPS



### RETROFIT



Switching from fluorescent lamps to LED lamps in existing luminaires is quick, easy and economical – either as retrofits or conversions.

#### Simple 1:1 replacement:

- Wide range of LED tubes for easy, quick and safe lamp replacement
- No rewiring necessary
- As a replacement for fluorescent tubes operated on CCG or compatible ECG
- Find the right LED tube in just a few steps with the handy Tube Finder

If there is no retrofit alternative or if the customer values maximum energy savings and low maintenance, rewiring is the solution.

#### 1. LED tube on mains voltage:

Particularly quick and application-oriented with the conversion kit and the matching range of T5 and T8 LED tubes

#### 2. LED Tube External System: T5/T8 LED tube and external driver:

The perfect solution for switching from old fluorescent lamps and dimmable DALI control gear to efficient and dimmable LED technology



Go directly to the Tube Finder: [ledvance.com/tubefinder](https://ledvance.com/tubefinder)

## SOLUTIONS WITH LED LUMINAIRES



### UPGRADE



If the focus is on optimal light output and quality, maximum efficiency and perhaps added benefits, it's worth upgrading the luminaires or installing new ones.

#### Upgrade using the luminaire-in-luminaire principle:

- If an existing luminaire needs to be kept but electric or mechanical interfaces are too old for a retrofit or conversion
- Positioning and mounting using adjustable magnets
- Quick, tool-free rewiring thanks to connector box
- Designed for use with T5 AC LED tubes
- Available in three different lengths

### NEW INSTALLATION



#### Complete replacement with modern LED luminaires:

- If the existing housing or other components have reached the end of their life
- If lighting performance requirements have changed (e. g. light distribution or quality)
- If a light management system needs to be integrated, or there's an upgrade to human centric lighting
- If aesthetical or functional design requirements have changed
- Long life and maximum potential for energy savings



### YOUR SHORTCUT TO THE RIGHT LED LAMP ALTERNATIVE

Go directly to the Lamp Finder: [ledvance.com/lampfinder](https://ledvance.com/lampfinder)



### NOT SURE WHAT TO CHOOSE?

LEDVANCE takes care of tailor-made calculations and offers you a customized solution for your lighting requirements – all from a single source. Please get in touch.

Email: [contact@ledvance.com](mailto:contact@ledvance.com)  
Phone: +49 89 780673-660



# LIGHT MANAGEMENT IS VIVARES



## VERSATILE AND POWERFUL SOLUTIONS

More sustainable and efficient with less energy?



The VIVARES light management systems from LEDVANCE save up to

# 80%

CO<sub>2</sub> and energy in office lighting when you upgrade a fluorescent solution to LED products at the same time<sup>1</sup>.

Further information about VIVARES products can be found at:

[ledvance.com/lms](http://ledvance.com/lms)

Are you looking for efficient, intelligent and environmentally friendly lighting? One thing is clear: You can only achieve maximum energy savings by using lighting control – after switching to LED. With the VIVARES light management systems, LEDVANCE offers both single room solutions up to 200m<sup>2</sup> and floor solutions up to 1000m<sup>2</sup>. Benefit from:

- control units, luminaires, LED tubes and lamps, sensors and pushbutton couplers from one supplier
- simple configuration and commissioning from plug and play to more complex, customizable solutions or app control
- individual support – from lighting planning to commissioning of the system and on-site instruction
- comprehensive after-sales service
- a 5-year system guarantee



### A SERIOUS REDUCTION IN THE GLOBAL WARMING POTENTIAL



Around 90% of a luminaire's environmental impact occurs during its use phase. Switching from fluorescent to LED tubes is therefore a crucial step in reducing the Global Warming Potential (GWP) of lighting. **Very important:** The more efficient a luminaire (lm/W), the lower its GWP. The lighting solution's efficiency can be increased further in combination with sensor-controlled light management systems, even if the efficiency of the individual luminaires has already been fully exploited.

Source: LEDVANCE white paper [www.ledvance.com/gwp](http://www.ledvance.com/gwp)

<sup>1</sup> Potential savings of an optimized sensor-controlled LED lighting system compared to a conventional system with fluorescent tubes

## ONE ROOM, MANY SOLUTIONS

VIVARES offers solutions for single rooms with a size of up to 200 m<sup>2</sup> based on individually configured light management systems, including up to 50 DALI or 40 Zigbee components and luminaires. Simple, intuitive control from manual and automated lighting control with sensors to app solutions.

### YOUR BENEFITS:

- Clear: one room, one system – install and forget
- Simple: fully functional LMS following installation
- Flexible: manual and automatic lighting control
- Energy-efficient: optimal energy savings achieved through lighting control – after switching to LED
- Feel-good factor: the BIOLUX HCL human centric lighting system for a positive biological effect with a possible increase in productivity
- Customizable: Tunable White solutions with adjustable light colors thanks to a wide range of VIVARES control units



### FOR EXISTING AND NEW BUILDINGS THANKS TO DALI OR WIRELESS ZIGBEE TECHNOLOGY

#### VIVARES ZIGBEE SYSTEMS, WIRELESS

- Ideal for use in existing buildings
- Based on the international Zigbee 3.0 standard
- Quick and easy installation; commissioning via QR code
- Uncomplicated reconfiguration of components if the use of rooms changes

#### VIVARES DALI SYSTEMS, WIRED

- Particularly suitable for new buildings
- Components certified to DALI-2 standard
- Extensive portfolio for office applications
- Simple commissioning with self-explanatory software
- Optional: integrated IoT\* gateway

## MANY ROOMS, ONE SOLUTION

One light management system for an entire floor? No problem for VIVARES DALI and Zigbee control units. One centrally controlled system can be used across multiple rooms (up to 1000 m<sup>2</sup>) with optional IoT\* functions. However, the lighting of each room within the floor solution can still be controlled and adjusted separately. Lighting options such as scenes or Tunable White and human centric lighting personalize the light in rooms.

### YOUR BENEFITS:

- Versatile: one system for all requirements
- Independent: remote access without needing to be present to configure the light management system
- Transparent: optional VIVARES cloud services with energy consumption monitoring and maintenance management – always keeping an eye on costs
- Just in time: time settings for individual lighting scenes
- All options: from standard monochromatic light and Tunable White to biologically effective light with the BIOLUX HCL human centric lighting system through DALI Pro2 IoT control unit



Find the right luminaires and components on our website: [ledvance.com/lms](https://www.ledvance.com/lms)

\*IoT = Internet of Things. This means that the systems can provide evaluations in the form of dashboards or can be connected to cloud solutions that monitor energy consumption and maintenance cycles, for example.





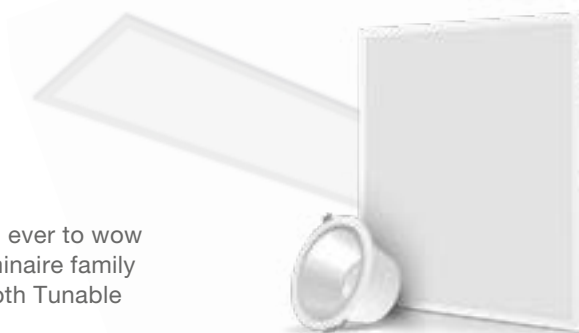
# LIGHT MANAGEMENT CAN BE SO EASY!



NOW TWICE AS NICE!

OUR NEW GENERATION OF DALI-2 LUMINAIRES FOR TUNABLE WHITE AND HCL APPLICATIONS.

Our new generation of DALI-2 IoT<sup>1</sup> luminaires makes it easier than ever to wow your customers with modern light management solutions. The luminaire family has become more versatile, powerful and efficient, and is fit for both Tunable White and BIOLUX HCL applications. Discover the possibilities!



## DALI-2 IOT<sup>1</sup> LUMINAIRES GEN 2 – FIT FOR BIOLUX HCL OR TUNABLE WHITE APPLICATIONS

Product name	Segmentation	GTIN (EAN)	W	lm	lm/W	K	°	⌒	L x W x H [mm] Ø x H [mm]
<div style="text-align: right;"> </div>									
<b>BIOLUX HCL PANEL TW DALI</b>									
BIOLUX HCL PL 600 S 40W TW DALI	■	4099854140068	40	4 600	115	2 700...6 500	90	DALI2	595 x 595 x 11
BIOLUX HCL PL 625 S 40W TW DALI	■	4099854140167	40	4 600	115	2 700...6 500	90	DALI2	620 x 620 x 11
BIOLUX HCL PL 625 S 40W TW CSW <sup>2</sup> DALI	■	4099854140273	40	4 600	115	2 700...6 500	90	DALI2	620 x 620 x 11
BIOLUX HCL PL 1200 S 37W TW DALI	■	4099854140228	37	4 100	102	2 700...6 500	90	DALI2	1 195 x 295 x 11
<b>BIOLUX HCL DOWNLIGHT TW DALI</b>									
BIOLUX HCL DL DN150 S 21W TW DALI	■	4099854140310	21	2 200	105	2 700...6 500	60	DALI2	175 x 99



All luminaires support DALI-2 Energy Data (DALI part 252) and DALI-2 Diagnostic Data (DALI part 253). The Panel luminaires can be combined with accessories for e.g. surface mounting and suspension. You can find them here: [ledvance.com/panel-accessories](https://www.ledvance.com/panel-accessories)



<sup>1</sup>IoT = Internet of Things. This means that the systems can provide evaluations in the form of dashboards or can be connected to cloud solutions that monitor energy consumption and maintenance cycles, for example. | <sup>2</sup> Refer to [www.ledvance.com/guarantee](https://www.ledvance.com/guarantee) for precise conditions | <sup>3</sup>With pre-mounted Wago connector



## HUMAN CENTRIC LIGHTING SYSTEM

THE LIGHT FOR MORE WELL-BEING

- Simulation of the natural daylight curve creating a positive biological effect
- Automated control but adjustable if desired
- Energy/cost savings since less brightness required in the mornings and evenings
- Up to 30 % additional savings with daylight/presence sensors

### RECOMMENDED CONTROLLER: DALI PRO2 IOT LDV

- Programmed using data from a light curve based on scientific studies
- Complements DALI-2 IoT luminaires to create an HCL system for single and open-plan offices



The system simulates the natural daylight curve which can boost well-being of people.



## TUNABLE WHITE SYSTEMS

THE LIGHT THAT CAN BE PERSONALIZED

- Light color and brightness manually adjustable based on preferences and activity
- Choice of light colors from 2700 K to 6500 K
- Brightness adjustable from 1 – 100 %
- Greater energy savings in combination with daylight/presence sensors

### RECOMMENDED CONTROLLERS FROM OSRAM: DALI MCU TW, DALI PCU TW, DALI ECO BT, DALI ACU BT

- DALI-2 luminaires compatible with many other Tunable White capable DALI-2 controllers
- From one source at LEDVANCE or third parties
- From entire floor solutions to single room solutions, LEDVANCE offers both



The staff room is used by different people. The light color can be adjusted manually to suit personal preferences.



# OFFICE LIGHT AS A FACTOR FOR SUCCESS



**DOWNLIGHT  
UGR19**  
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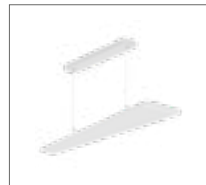
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COMFORT**  
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**PANEL  
INDIVILED**  
Page 96



**PANEL  
COMFORT**  
Page 104



**PANEL DIRECT/  
INDIRECT**  
Page 124



**LINEAR  
INDIVILED GEN 2**  
Page 118



## THE RIGHT LAMPS AND LED STRIPS:

From the ultra-low-profile DULUX LED F **1** LED lamp featuring excellent luminous efficacy all the way to the flexible LED STRIP PERFORMANCE RGBW **2** and WHITE **3**, LEDVANCE offers you tailored lighting solutions for large and small offices.

## REFERENCE PROJECT



**PROJECT:** FENIE ENERGÍA, Madrid, Spain

**APPLICATION:** Office lighting

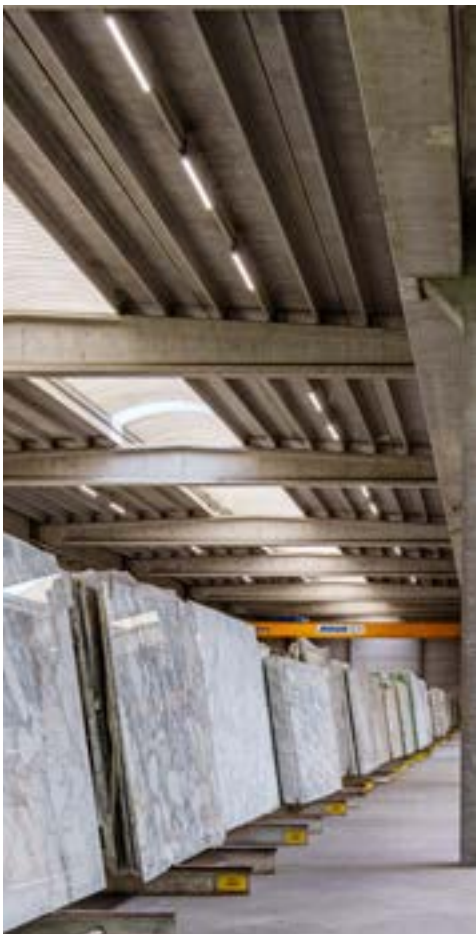
**TECHNOLOGY:** LED technology

**LEDVANCE PRODUCTS:** PANEL COMPACT 600 U19 DALI, DOWNLIGHT ALU

LEDVANCE designed and implemented a comprehensive and interactive lighting concept for the office building of FENIE ENERGÍA in Madrid, covering the office and communal spaces, as well as the entrance area. This included the use of LED Downlights and Panel lights in combination with daylight and motion sensors, allowing for significantly more efficient and demand-oriented light control. It has also enhanced workplace-specific light quality and reduced maintenance efforts.



# INDUSTRY LIGHT MAKES HARD WORK EASIER



**TRUSYS FLEX**  
Page 138



**DAMP PROOF  
COMPACT GEN 1**  
Page 154



**DAMP PROOF  
SPECIAL GEN 2**  
Page 164



**HIGH BAY GEN 4**  
Page 176



**HIGH BAY GEN 4  
SENSOR**  
Page 177



**LOW BAY FLEX**  
Page 188



#### THE RIGHT LED TUBES:

LED TUBE T8 EM ULTRA OUTPUT S <sup>1</sup> tubes are shatterproof, highly efficient and durable. They replace conventional fluorescent tubes and are suitable for use even in adverse conditions such as in cold stores and warehouses.

#### REFERENCE PROJECT



**PROJECT:** BMB Natuursteen, Wortegem-Petegem, Belgium

**APPLICATION:** Warehouse and production hall LED lighting solution

**TECHNOLOGY:** LED technology

**LEDVANCE PRODUCTS:** DAMP PROOF THROUGHWIRING

LEDVANCE, together with installer Velektro, developed and implemented a robust LED-based lighting concept for the production and storage premises of BMB Natuursteen in Wortegem-Petegem, Belgium. This has increased energy efficiency, reduced costs and effort for maintenance and, thanks to the significantly improved light quality, also increased comfort for visitors and occupational safety for employees.

# PARKING LIGHT MEANS SAFETY & SECURITY



**SURFACE BULKHEAD**  
Page 86



**DAMP PROOF SENSOR**  
Page 162



**DAMP PROOF HOUSING**  
Page 166



**FLOODLIGHT SENSOR**  
Page 198



**FLOODLIGHT PERFORMANCE**  
Page 210



**STREETLIGHT FLEX SMALL**  
Page 220



**THE RIGHT LED TUBES, HQL LED LAMPS AND LED STRIPS:**

For indoor parking, LEDVANCE offers the LED TUBE T8 EM CONNECTED P <sup>1</sup> together with the CONNECTED SENSOR <sup>2</sup>. Efficient, high-output HQL LED PRO lamps <sup>3</sup> are ideal for outdoor use. And for both applications, LED STRIP PERFORMANCE PROTECTED <sup>4</sup> provides great design freedom.

**REFERENCE PROJECT**



**PROJECT:** Tirol Kliniken, Innsbruck, Austria

**APPLICATION:** Lighting of underground garages

**TECHNOLOGY:** LED technology

**LEDVANCE PRODUCTS:** LED DAMP PROOF

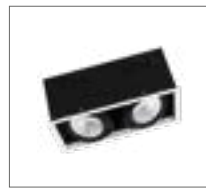
In the underground garages of the Medical Center and Surgery West the former luminaires equipped with fluorescent tubes were replaced by new 30 watt LED DAMP PROOF luminaires. Due to their robust design with an IP65 protection rating and IK08 impact resistance these are not only ideal for use in damp and dusty environments, but their beam angle of 105 degrees also ensures homogeneous uniform light giving a greater feeling of safety for employees and visitors.

# SHOP

## AESTHETIC ILLUMINATION MEETS FUNCTIONALITY



**SPOT VARIO**  
Page 42



**SPOT MULTI**  
Page 44



**SPOT ADJUST**  
Page 52



**TRACKLIGHT SPOT  
ZOOM DIM**  
Page 66



**TRACKLIGHT SPOT**  
Page 68



**TRUSYS FLEX**  
Page 138



### THE RIGHT LED REFLECTOR AND TUBE LAMPS AS WELL AS LED STRIPS:

LEDVANCE lighting solutions – including fully dimmable LED reflector lamps **1**, flexible LED STRIP SUPERIOR TUNABLE WHITE **2** lights and LED TUBE T8 EM FOOD P **3** for food retailers – present all your merchandise in the best light.

### REFERENCE PROJECT



**PROJECT:** Supermarket lighting E.LECLERC, Lousada, Portugal

**APPLICATION:** LED lighting for the supermarket's clothing and wine department

**TECHNOLOGY:** LED technology

**LEDVANCE PRODUCTS:** TRACKLIGHT SPOT, TRUSYS

A better overall quality of light, greater attention for specific areas and contemporary energy efficiency. These were the requirements that the managers of E.LECLERC supermarket in Lousada, Portugal, outlined when they approached LEDVANCE. The lighting experts came up with an extremely impressive solution. Thanks to their high luminous flux, a total of 450 luminaires in the TRUSYS system produce uniformly bright, efficient basic lighting. On top of that, tilt and swivel TRACKLIGHT SPOTS featuring excellent color rendering of CRI > 90 highlight the goods to best effect. This is a whole new shopping experience for supermarket customers.

# LUMINAIRE VARIETY COMES PRODUCT CLASS SYSTEM

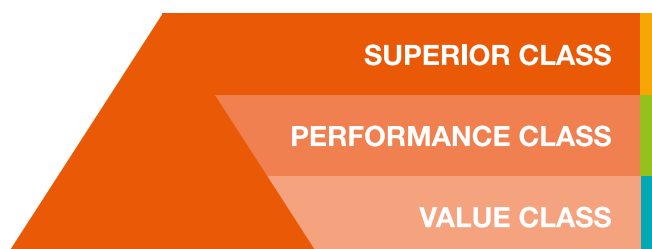
Your work involves everything from simple lighting tasks to the most complex and demanding – and it is precisely this bandwidth that is covered by LEDVANCE’s luminaire portfolio. To ensure that you always keep track of all this variety and quickly find the most suitable product, we have divided our luminaires into three segments: Superior Class, Performance Class and Value Class. With the help of consistent color coding and clear labeling you can immediately see in the catalog and also on the packaging which of the three segments a luminaire belongs to. So you can easily meet the needs of your customers – today and tomorrow.

Clear color coding on the new sustainable packaging will help you keep track of the products and quickly identify the right product for the job.



## PRODUCT CLASSES:

Sample packaging





# IN THREES:



## SUPERIOR CLASS

Sometimes only the best will do. The LEDVANCE Superior Class range comprises premium products that set standards in technology, quality and design. These top-of-the-line products are impressive in every respect and are the right choice for realizing particularly demanding, prestigious projects with special lighting requirements.



## PERFORMANCE CLASS

In the LEDVANCE Performance Class you will find a reliable solution for the majority of your lighting tasks. Our core portfolio includes a wide range of high-quality, demand-oriented luminaires with excellent performance in terms of lifetime, efficiency, material and quality of light. Features such as easy installation, DALI versions and comprehensive guarantees add value.



## VALUE CLASS

High performance at an attractive price – that’s what the LEDVANCE Value Class is about. The luminaires in this range are characterized by a standard lifetime, efficiency and quality of light, making them the right choice for everyday installation needs and projects where, in addition to reliability, the focus is on cost-effectiveness in particular. Additional features such as DALI extend the range of applications in this class.

### DOWNLIGHTS

OUR CHAMPIONS FOR HOMOGENEOUS GENERAL LIGHTING

**DOWNLIGHT USBIT**



**DOWNLIGHT COMFORT**



**DOWNLIGHT ALU**



**DOWNLIGHT SLIM ALU**




**ONE LUMINAIRE, THREE OPTIONS**

On the Downlight Comfort you can choose between three different options: Downlight Comfort, Downlight Comfort Slim and Downlight Comfort Slim Plus.

An additional advantage: In your project you can choose between three different options: Downlight Comfort, Downlight Comfort Slim and Downlight Comfort Slim Plus.

**TRACKLIGHT SYSTEM**

Express lighting for all required areas and



Model	Power	Beam angle	Beam diameter	Beam length	Beam diameter at 1m	Beam diameter at 2m	Beam diameter at 3m	Beam diameter at 4m	Beam diameter at 5m	Beam diameter at 6m	Beam diameter at 7m	Beam diameter at 8m	Beam diameter at 9m	Beam diameter at 10m
TRAC-LIGHT 1000	1000	30°	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
TRAC-LIGHT 2000	2000	30°	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
TRAC-LIGHT 3000	3000	30°	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
TRAC-LIGHT 4000	4000	30°	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
TRAC-LIGHT 5000	5000	30°	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000

**KEEPING TRACK – FINDING YOUR WAY AROUND THE BROCHURE AND RANGE**

The clear Product Class System of the LEDVANCE luminaire portfolio is also reflected in the introductory pages of each chapter and the product pages of this brochure. Each product class has been assigned a color that you can find throughout the catalog. This makes finding suitable luminaires easier and faster than ever.

**Go on, give it a try!**

# DOWNLIGHTS

## OUR CHAMPIONS FOR HOMOGENEOUS GENERAL LIGHTING

### DOWNLIGHT TUNABLE WHITE



SUPERIOR CLASS

Page 24

BIOLUX HCL DOWNLIGHT DALI  
BIOLUX HCL DOWNLIGHT ZIGBEE



#### DOWNLIGHTS WITH TUNABLE WHITE

- Adjustable color temperature via Tunable White: 2 700...6 500 K
- Compatible with VIVARES cloud services
- Suitable for light management systems

### DOWNLIGHT UGR19



PERFORMANCE CLASS

Page 28



#### DOWNLIGHT UGR19

- Good glare reduction (UGR < 19) and cut-off angle up to 30° for comfortable indoor lighting
- Easy and quick installation thanks to connector box with 5-pole toolless terminal
- Low-flicker light < 10 %

### DOWNLIGHT COMFORT



PERFORMANCE CLASS

Page 30



#### 3-IN-1 CCT, LOW UGR VALUE

- Three light colors in one luminaire: warm white 3000 K, neutral white 4000 K and cold white 5700 K
- Good glare reduction (UGR ≤ 22)
- Simple connection thanks to plug-in terminal

### DOWNLIGHT SURFACE IP65



PERFORMANCE CLASS

Page 32



#### FOR DEMANDING APPLICATIONS

- Suitable for use in dusty and damp locations thanks to high IP65 rating
- Suitable for use in public areas thanks to high IK06 rating
- Push wire terminal for tool-free connection

### DOWNLIGHT ALU



VALUE CLASS

Page 34

DOWNLIGHT ALU  
DOWNLIGHT ALU DALI



#### NEW GENERATION, NOW IP44

- Suitable for use in dusty and humid environments thanks to higher IP rating
- Wide range of applications thanks to a large variety of versions
- Up to 60 % energy savings compared with luminaires that use compact fluorescent lamps

### DOWNLIGHT SLIM ALU



VALUE CLASS

Page 36



#### LOW IN HEIGHT AND PRICE

- Extremely small mounting depth due to very low-profile housing
- Up to 60 % energy savings compared with luminaires that use compact fluorescent lamps
- External driver for easy replacement (included)



### ONE LUMINAIRE, THREE OPTIONS

On the **Downlight Comfort** you can switch between three light colors (3000/4000/5700 K)

#### An additional advantage ...

... is that wholesalers and installers can minimize their stock risks because they always have a luminaire with the right light color in stock.



### OVERVIEW OF MOUNTING DIAMETER FOR ALL DOWNLIGHTS

PRODUCT	MOUNTING Ø (mm)
DOWNLIGHT TUNABLE WHITE	155, 160
DOWNLIGHT UGR19	155, 195
DOWNLIGHT COMFORT	130, 155, 205
DOWNLIGHT SURFACE IP65	90, 160, 250 (surface only)
DOWNLIGHT ALU	150, 200
DOWNLIGHT SLIM ALU	180, 205



# BIOLUX HCL DOWNLIGHT DALI

Downlight luminaires, Tunable White, 105 lm/W, tool-free installation, DALI-2 IoT technology



## PRODUCT FEATURES

- IoT-ready luminaire with DALI-2 technology
- Adjustable color temperature via Tunable White: 2 700...6 500 K
- Very high color rendering index Ra: > 90
- Suitable for central battery emergency installations acc. to EN 60598-2-22

## PRODUCT BENEFITS

- Suitable luminaire for VIVARES DALI, VIVARES DALI HCL and other DALI-2 light controls
- Enables an individual Tunable White lighting solution in combination with compatible DALI-2 lighting controls
- Supports LEDVANCE Human Centric Lighting in conjunction with DALI PRO 2 IOT LDVV Controller (4052899627079)
- Compatible with VIVARES CLOUD SERVICE for energy monitoring
- Through-wiring possible with included cable clamp

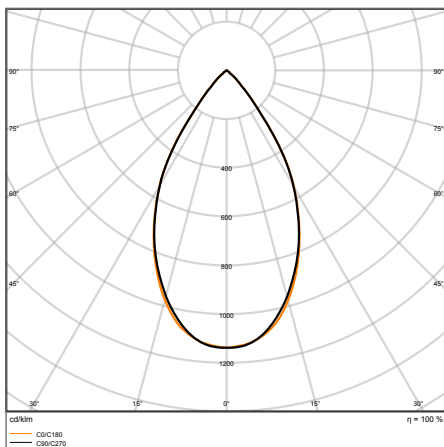
## AREAS OF APPLICATION

- Broad Tunable White CRI90 light color spectrum for high quality Human Centric Lighting applications
- Offices, conference rooms
- Reception areas, foyers, corridors, elevators

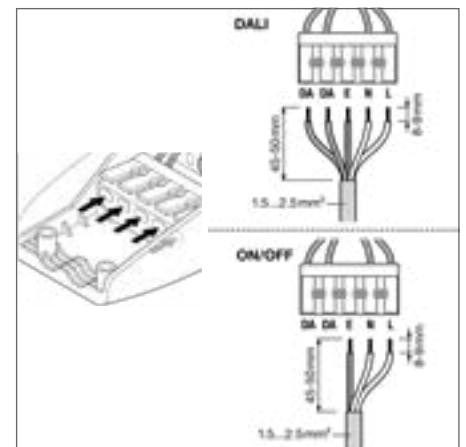
## EQUIPMENT / ACCESSORIES

- External control gear included
- Cable clamp for through-wiring preinstalled

## FURTHER PRODUCT DETAILS



Distance [m]	Cone diameter [m]	Beam angle [°]	Beam diameter [m]	Illuminance [lx]
0.5	0.56	E(0°)	29.3"	10018
	0.56	E(C90)	29.3"	3337
		E(C0)	29.4"	3317
1.0	1.12	E(0°)	29.3"	2505
	1.13	E(C90)	29.3"	832
		E(C0)	29.4"	829
1.5	1.68	E(0°)	29.3"	1113
	1.69	E(C90)	29.3"	370
		E(C0)	29.4"	369
2.0	2.24	E(0°)	29.3"	626
	2.25	E(C90)	29.3"	208
		E(C0)	29.4"	207
2.5	2.81	E(0°)	29.3"	401
	2.82	E(C90)	29.3"	133
		E(C0)	29.4"	133
3.0	3.37	E(0°)	29.3"	278
	3.38	E(C90)	29.3"	92
		E(C0)	29.4"	92



BIOLUX HCL DL DN150 S 21W TW DALI



## BIOLUX HCL DOWNLIGHT DALI

Downlight luminaires, Tunable White, 105 lm/W, tool-free installation, DALI-2 IoT technology

Product name	EAN (GTIN)	Replacement for	W	lm	lm/w	K	L70 <sup>3</sup>				L x W x H [mm] Ø x H [mm]
BIOLUX HCL DL DN150 S 21W TW DALI	4099854140310	2 x 26 W CFLP	21	2200	105	2700...6500	70000	60	DALI-2/IoT	160	175 x 99

<sup>1</sup> All luminaires support DALI-2 Energy Data (DALI part 252) and DALI-2 Diagnostic Data (DALI part 253).

<sup>2</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>3</sup>t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)



## BIOLUX HCL DOWNLIGHT ZIGBEE

Downlight luminaires, Tunable White, Zigbee



---

### PRODUCT FEATURES

- Zigbee 3.0 certified Tunable White luminaires - LED strips for simple integration into partner systems
- Ready for connection to BIOLUX HCL and VIVARES ZIGBEE control unit
- Adjustable color temperature via Tunable White: 2 700...6 500 K
- Wireless communication between control unit and luminaires via Zigbee protocol
- Very high color rendering index Ra: >90

### PRODUCT BENEFITS

- Enables an individual lighting solution in combination with compatible Zigbee HCL lighting controls
- Biologically optimized lighting by adapting artificial light to natural daylight course
- 5 years BIOLUX HCL system guarantee when operated as part of a BIOLUX HCL system (BIOLUX HCL – VIVARES ZIGBEE control unit in combination with BIOLUX HCL luminaire(s) – BIOLUX HCL LED strips)
- Can support working with more concentration
- Good glare reduction ( $UGR \leq 19$ )

### AREAS OF APPLICATION















- Lighting solution for up to 40 BIOLUX HCL luminaires – BIOLUX HCL LED strips combined mit BIOLUX HCL control unit
- Open-plan office solution for up to 200 BIOLUX HCL luminaires combined with VIVARES ZIGBEE control unit
- Hotel and office rooms with little daylight

### EQUIPMENT / ACCESSORIES

- LEDVANCE BIOLUX app required for commissioning of the BIOLUX HCL system only (available for Android and iOS)
- LEDVANCE VIVARES app for project planning and required for commissioning of the VIVARES ZIGBEE system only (available for Android and iOS)

## BIOLUX HCL DOWNLIGHT ZIGBEE

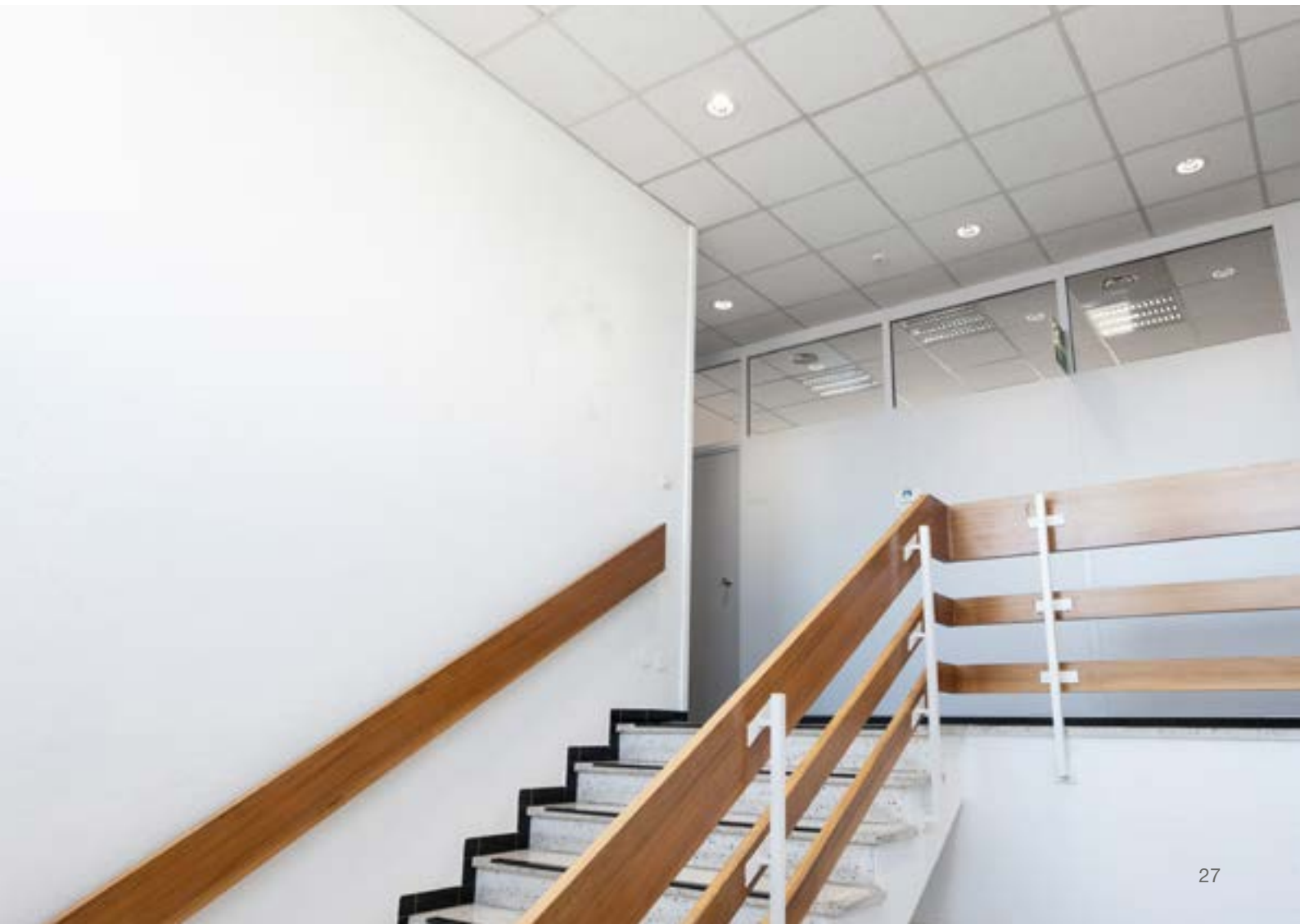
Downlight luminaires, Tunable White, Zigbee

													
<b>Product name</b>	<b>EAN (GTIN)</b>				<b>W</b>	<b>lm</b>	<b>lm/w</b>	<b>K</b>	<b>L70</b> <sup>3</sup>				<b>L x W x H [mm]</b> <b>Ø x H [mm]</b>
BIOLUX HCL DL DN150 ZB 20W 2700-6500K	4058075400733				20	1800	90	2700...6500	50000	60	Zigbee 3.0	160	175 x 99

<sup>1</sup> All luminaires support DALI-2 Energy Data (DALI part 252) and DALI-2 Diagnostic Data (DALI part 253).

<sup>2</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>3</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)



## DOWNLIGHT UGR19

Downlights with low glare and low flicker



### PRODUCT FEATURES

- Housing Material: aluminum with mirror-finished reflector
- Type of protection: IP54 (room side) / IP20 (back side)
- Through-wiring possible
- Luminaire available with on/off driver, DALI 2.0 IoT driver or Zigbee 3.0
- Connector box with push wire terminal for tool-free connection

### PRODUCT BENEFITS

- Good glare reduction (UGR <19) and cut-off angle up to 30° for comfortable indoor lighting
- Easy and quick installation thanks to connector box with 5-pole toolless terminal
- Low-flicker light
- Suitable for use in dusty and humid environments thanks to high IP rating
- 5 years guarantee

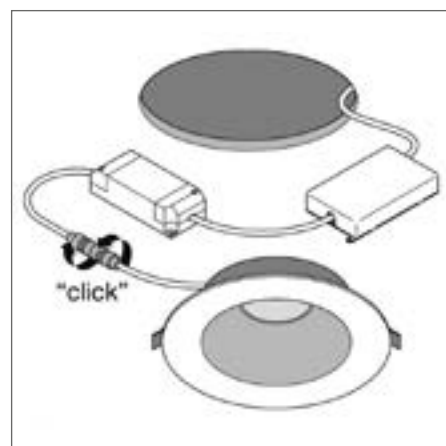
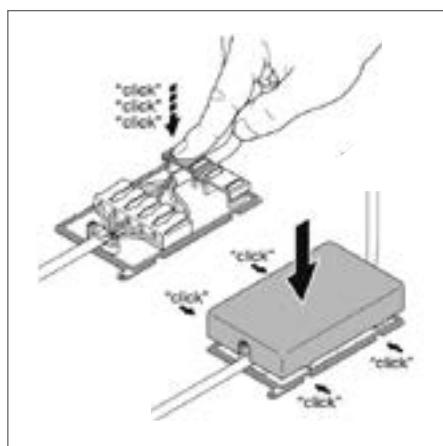
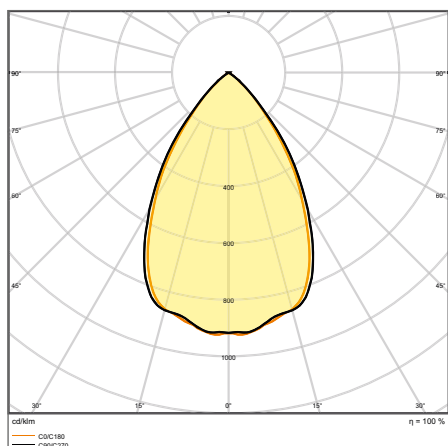
### AREAS OF APPLICATION

- Suitable for office applications, especially for computer screen workplaces
- Direct replacement for luminaires with compact fluorescent lamps
- Entrances / Hallways
- Bathrooms, kitchens and sheltered outdoor areas
- General illumination

### EQUIPMENT/ACCESSORIES

- External control gear included

### FURTHER PRODUCT DETAILS



DL UGR19 PFM DN195 21 W 840 WT IP54



## DOWNLIGHT UGR19

Downlights with low glare and low flicker



Product name	EAN (GTIN)	Replacement for	W	lm	lm/w	K	L70 <sup>3</sup>	°			L × W × H [mm] Ø × H [mm]
DL UGR19 PFM DN155 14 W 830 WT IP54	4058075 <b>459137</b>	1 × 26 W CFLi	14	1500	105	3000	70000	65	—	155	180 × 65
DL UGR19 PFM DN155 14 W 840 WT IP54	4058075 <b>459151</b>	1 × 26 W CFLi	14	1600	115	4000	70000	65	—	155	180 × 65
DL UGR19 PFM DN195 21 W 830 WT IP54	4058075 <b>459250</b>	2 × 26 W CFLi	21	2400	115	3000	70000	65	—	195	220 × 82
DL UGR19 PFM DN195 21 W 840 WT IP54	4058075 <b>459274</b>	2 × 26 W CFLi	21	2520	120	4000	70000	65	—	195	220 × 82
DL UGR19 PFM DN155 14 W 830 WT IP54 DALI	4058075 <b>459298</b>	1 × 26 W CFLi	14	1500	105	3000	70000	65	DALI-2/loT	155	180 × 65
DL UGR19 PFM DN155 14 W 840 WT IP54 DALI	4058075 <b>459311</b>	1 × 26 W CFLi	14	1600	115	4000	70000	65	DALI-2/loT	155	180 × 65
DL UGR19 DN155 PFM 14 W-840 ZBVR WT	4058075 <b>459892</b>	1 × 26 W CFLi	14	1600	115	4000	70000	65	Zigbee 3.0	155	180 × 65
DL UGR19 PFM DN195 21 W 830 WT IP54 DALI	4058075 <b>459830</b>	2 × 26 W CFLi	21	2400	115	3000	70000	65	DALI-2/loT	195	220 × 82
DL UGR19 PFM DN195 21 W 840 WT IP54 DALI	4058075 <b>459854</b>	2 × 26 W CFLi	21	2520	120	4000	70000	65	DALI-2/loT	195	220 × 82
DL UGR19 DN195 PFM 21 W-840 ZBVR WT	4058075 <b>459397</b>	2 × 26 W CFLi	21	2520	120	4000	70000	65	Zigbee 3.0	195	220 × 82

<sup>1</sup> All DALI and Zigbee luminaires support DALI-2 Energy Data (DALI part 252) and DALI-2 Diagnostic Data (DALI part 253).<sup>2</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions<sup>3</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)

## DOWNLIGHT COMFORT

Downlights with adjustable white light colors



### PRODUCT FEATURES

- Material: aluminum (housing), polycarbonate (diffuser)
- Three light colors selectable via slide switch
- Type of protection: IP54 (room side)
- Through-wiring possible

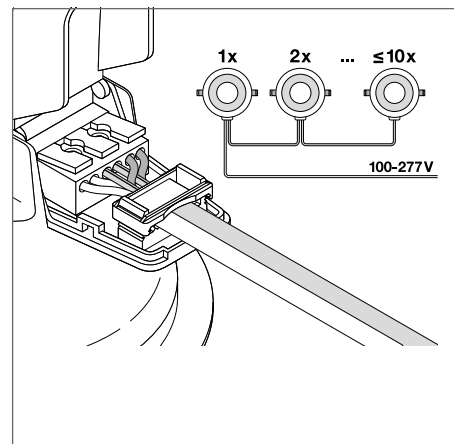
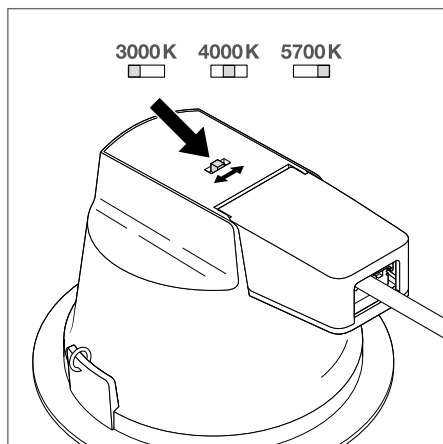
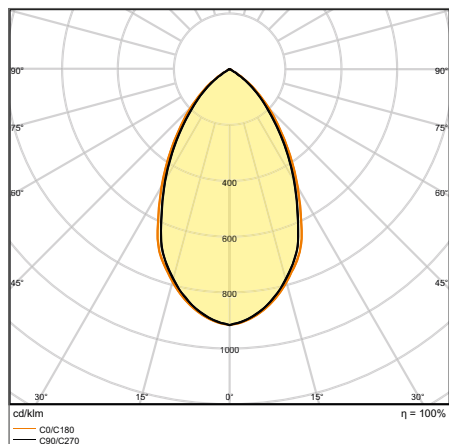
### PRODUCT BENEFITS

- Three light colors in one luminaire: warm white 3000K, daylight white 4000K, cold white 5700K
- Good glare reduction ( $UGR \leq 22$ )
- Easy connection thanks to push terminal
- Suitable for use in dusty and humid environments thanks to high IP rating
- 5 years guarantee

### AREAS OF APPLICATION

- Direct replacement for luminaires with compact fluorescent lamps
- General illumination
- Bathrooms, kitchens and sheltered outdoor areas
- Offices
- Corridors

### FURTHER PRODUCT DETAILS



DL COMFORT DN 130 13 W 3CCT IP54 WT

## DOWNLIGHT COMFORT

Downlights with adjustable white light colors

PERFORMANCE  
CLASS

Product name	EAN (GTIN)	Replacement for	W	lm	lm/w	K	L70 <sup>2</sup>			L x W x H [mm] Ø x H [mm]
DL COMFORT DN 130 13 W 3CCT IP54 WT	4058075 <b>104068</b>	1 x 18 W CFLi	13	1030...1210	85	3000...5700	50000	60	130	145 x 82
DL COMFORT DN 155 18 W 3CCT IP54 WT	4058075 <b>104082</b>	2 x 18 W CFLi	18	1040...1620	85	3000...5700	50000	60	155	172 x 95
DL COMFORT DN 205 20 W 3CCT IP54 WT	4058075 <b>104105</b>	2 x 26 W CFLi	20	1720...1930	90	3000...5700	50000	60	205	228 x 98

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)



## DOWNLIGHT SURFACE IP65

Surface-mounted downlights with IP65 grade



### PRODUCT FEATURES

- Impact resistance: IK06
- Push wire terminal for tool-free connection
- Through-wiring possible
- Type of protection: IP65
- Luminous flux: up to 4950 lm
- High luminous efficacy: up to 110 lm/W
- Lifetime (L70/B50): 100 000 h (at 25 °C)
- Ambient temperature in operation: -30...+40 °C

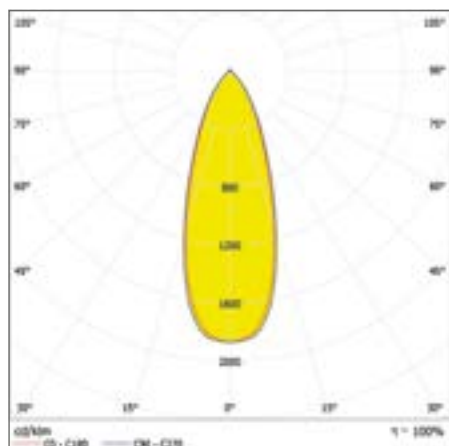
### PRODUCT BENEFITS

- Suitable for use in dusty and damp locations thanks to high IP rating
- Suitable for use in public areas thanks to high IK rating
- 5 years guarantee
- Energy savings of up to 50 % (compared to luminaires that use fluorescent lamps)

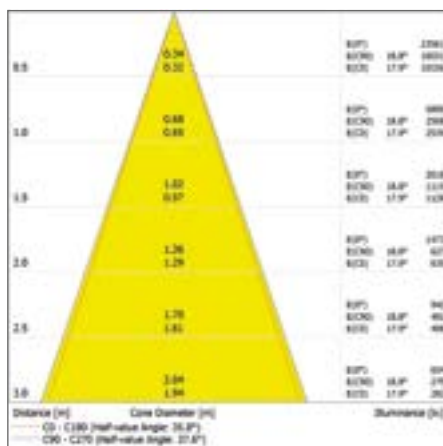
### AREAS OF APPLICATION

- Direct replacement for luminaires with fluorescent lamps
- Suitable for indoor and outdoor installations
- Corridors, stairways, entrance areas
- Passages, underpasses
- Public areas

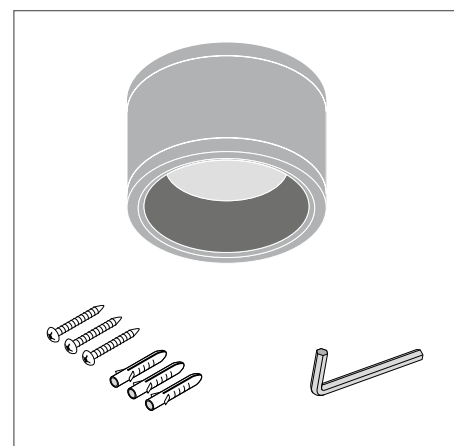
### FURTHER PRODUCT DETAILS



DL SURFACE DN 160 P 30W 830 36D  
IP65 WT



DL SURFACE DN 160 P 30W 830 36D  
IP65 WT



## DOWNLIGHT SURFACE IP65

Surface-mounted downlights with IP65 grade

PERFORMANCE  
CLASS

Product name	EAN (GTIN)	Replacement for	Performance Class							L x W x H [mm] Ø x H [mm]
			W	lm	lm/W	K	L70 <sup>2</sup>			
DL SURFACE DN 90 P 15W 830 36D IP65 WT	4058075768857	1 x 26W CFLi	15	1575	105	3000	100000	36	90 x 107	
DL SURFACE DN 90 P 15W 840 36D IP65 WT	4058075768871	1 x 26W CFLi	15	1650	110	4000	100000	36	90 x 107	
DL SURFACE DN 90 P 15W 830 36D IP65 BK	4058075768895	1 x 26W CFLi	15	1575	105	3000	100000	36	90 x 107	
DL SURFACE DN 90 P 15W 840 36D IP65 BK	4058075768918	1 x 26W CFLi	15	1650	110	4000	100000	36	90 x 107	
DL SURFACE DN 90 P 15W 830 60D IP65 WT	4058075768963	1 x 26W CFLi	15	1575	105	3000	100000	60	90 x 107	
DL SURFACE DN 90 P 15W 840 60D IP65 WT	4058075768987	1 x 26W CFLi	15	1650	110	4000	100000	60	90 x 107	
DL SURFACE DN 90 P 15W 830 60D IP65 BK	4058075769007	1 x 26W CFLi	15	1575	105	3000	100000	60	90 x 107	
DL SURFACE DN 90 P 15W 840 60D IP65 BK	4058075769021	1 x 26W CFLi	15	1650	110	4000	100000	60	90 x 107	
DL SURFACE DN 160 P 30W 830 36D IP65 WT	4058075769045	2 x 26W CFLi	30	3150	105	3000	100000	36	160 x 110	
DL SURFACE DN 160 P 30W 840 36D IP65 WT	4058075769076	2 x 26W CFLi	30	3300	110	4000	100000	36	160 x 110	
DL SURFACE DN 160 P 30W 830 36D IP65 BK	4058075769090	2 x 26W CFLi	30	3150	105	3000	100000	36	160 x 110	
DL SURFACE DN 160 P 30W 840 36D IP65 BK	4058075769113	2 x 26W CFLi	30	3300	110	4000	100000	36	160 x 110	
DL SURFACE DN 160 P 30W 830 60D IP65 WT	4058075769137	2 x 26W CFLi	30	3150	105	3000	100000	60	160 x 110	
DL SURFACE DN 160 P 30W 840 60D IP65 WT	4058075769151	2 x 26W CFLi	30	3300	110	4000	100000	60	160 x 110	
DL SURFACE DN 160 P 30W 830 60D IP65 BK	4058075769175	2 x 26W CFLi	30	3150	105	3000	100000	60	160 x 110	
DL SURFACE DN 160 P 30W 840 60D IP65 BK	4058075769199	2 x 26W CFLi	30	3300	110	4000	100000	60	160 x 110	
DL SURFACE DN 250 P 45W 830 36D IP65 WT	4058075769212	2 x 42W CFLi	45	4725	105	3000	100000	36	250 x 125	
DL SURFACE DN 250 P 45W 840 36D IP65 WT	4058075769236	2 x 42W CFLi	45	4950	110	4000	100000	36	250 x 125	
DL SURFACE DN 250 P 45W 830 36D IP65 BK	4058075769250	2 x 42W CFLi	45	4725	105	3000	100000	36	250 x 125	
DL SURFACE DN 250 P 45W 840 36D IP65 BK	4058075769274	2 x 42W CFLi	45	4950	110	4000	100000	36	250 x 125	
DL SURFACE DN 250 P 45W 830 60D IP65 WT	4058075769298	2 x 42W CFLi	45	4725	105	3000	100000	60	250 x 125	
DL SURFACE DN 250 P 45W 840 60D IP65 WT	4058075769335	2 x 42W CFLi	45	4950	110	4000	100000	60	250 x 125	
DL SURFACE DN 250 P 45W 830 60D IP65 BK	4058075769359	2 x 42W CFLi	45	4725	105	3000	100000	60	250 x 125	
DL SURFACE DN 250 P 45W 840 60D IP65 BK	4058075769397	2 x 42W CFLi	45	4950	110	4000	100000	60	250 x 125	

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions<sup>2</sup> t[h]: L70/B50 @ 25 °C (Ta)/t[h]: L80/B10 @ 25 °C (Ta)

## DOWNLIGHT ALU

Downlight luminaires with aluminum housing



### PRODUCT FEATURES

- Housing material: aluminum
- Diffuser made of opal polycarbonate
- Type of protection, front side: IP44
- Luminaire available as switchable and DALI versions

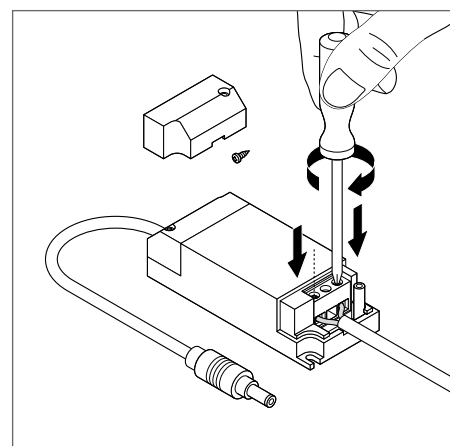
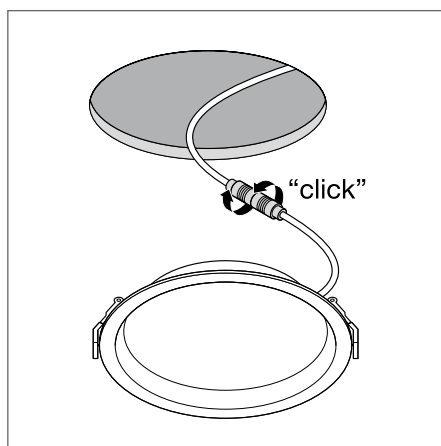
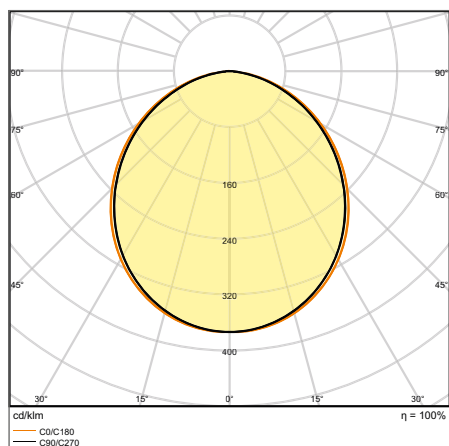
### PRODUCT BENEFITS

- Suitable for use in dusty and humid environments thanks to high IP rating
- Wide range of applications thanks to a large variety of versions
- Energy savings of up to 60 % compared to luminaires that use CFL
- Up to 5 years guarantee

### AREAS OF APPLICATION

- Direct replacement for luminaires with compact fluorescent lamps
- General illumination
- Public areas
- Stairways
- Corridors

### FURTHER PRODUCT DETAILS



DL ALU DALI DN 200 35 W 6500 K  
IP44/IP20 WT

## DOWNLIGHT ALU

Downlight luminaires with aluminum housing



Product name	EAN (GTIN)	Replacement for	W	lm	lm/w	K	L70 <sup>3</sup>	°	⤴	⤵	L x W x H [mm] Ø x H [mm]
DL ALU DN 150 14 W 3000 K IP44/IP20 WT	4058075091436	1 x 26W CFLi	14	1190	85	3000	50000	100	—	150	160 x 52
DL ALU DN 150 14 W 4000 K IP44/IP20 WT	4058075091450	1 x 26W CFLi	14	1260	90	4000	50000	100	—	150	160 x 52
DL ALU DN 150 14 W 6500 K IP44/IP20 WT	4058075091474	1 x 26W CFLi	14	1330	95	6500	50000	100	—	150	160 x 52
DL ALU DN 200 25 W 3000 K IP44/IP20 WT	4058075091498	2 x 26W CFLi	25	2250	90	3000	50000	100	—	200	215 x 61
DL ALU DN 200 25 W 4000 K IP44/IP20 WT	4058075091511	2 x 26W CFLi	25	2370	95	4000	50000	100	—	200	215 x 61
DL ALU DN 200 25 W 6500 K IP44/IP20 WT	4058075091535	2 x 26W CFLi	25	2370	95	6500	50000	100	—	200	215 x 61
DL ALU DN 200 35 W 3000 K IP44/IP20 WT	4058075091559	2 x 42W CFLi	35	2975	85	3000	50000	100	—	200	215 x 61
DL ALU DN 200 35 W 4000 K IP44/IP20 WT	4058075091573	2 x 42W CFLi	35	3150	90	4000	50000	100	—	200	215 x 61
DL ALU DN 200 35 W 6500 K IP44/IP20 WT	4058075091597	2 x 42W CFLi	35	3150	90	6500	50000	100	—	200	215 x 61
DL ALU DALI DN 150 14 W 3000 K IP44/IP20 WT	4058075202610	1 x 26W CFLi	14	1190	85	3000	50000	100	DALI-2	150	160 x 52
DL ALU DALI DN 150 14 W 4000 K IP44/IP20 WT	4058075202634	1 x 26W CFLi	14	1260	90	4000	50000	100	DALI-2	150	160 x 52
DL ALU DALI DN 150 14 W 6500 K IP44/IP20 WT	4058075202658	1 x 26W CFLi	14	1330	95	6500	50000	100	DALI-2	150	160 x 52
DL ALU DALI DN 200 25 W 3000 K IP44/IP20 WT	4058075091610	2 x 26W CFLi	25	2250	90	3000	50000	100	DALI-2	200	215 x 61
DL ALU DALI DN 200 25 W 4000 K IP44/IP20 WT	4058075091634	2 x 26W CFLi	25	2370	95	4000	50000	100	DALI-2	200	215 x 61
DL ALU DALI DN 200 25 W 6500 K IP44/IP20 WT	4058075091658	2 x 26W CFLi	25	2370	95	6500	50000	100	DALI-2	200	215 x 61
DL ALU DALI DN 200 35 W 3000 K IP44/IP20 WT	4058075091672	2 x 42W CFLi	35	2975	85	3000	50000	100	DALI-2	200	215 x 61
DL ALU DALI DN 200 35 W 4000 K IP44/IP20 WT	4058075091696	2 x 42W CFLi	35	3150	90	4000	50000	100	DALI-2	200	215 x 61
DL ALU DALI DN 200 35 W 6500 K IP44/IP20 WT	4058075091719	2 x 42W CFLi	35	3150	90	6500	50000	100	DALI-2	200	215 x 61

<sup>1</sup> The ENEC and TÜV certifications apply exclusively to the switchable versions of the luminaire family, DALI versions are excepted.

<sup>2</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>3</sup> t[h]: L70/B50 @ 25 °C (Ta)/t[h]: L80/B10 @ 25 °C (Ta)



## DOWNLIGHT SLIM ALU

Flat downlights with external driver and aluminum housing



### PRODUCT FEATURES

- Solid aluminum housing in white
- Diffuser made of opal PMMA
- Small visible bezel

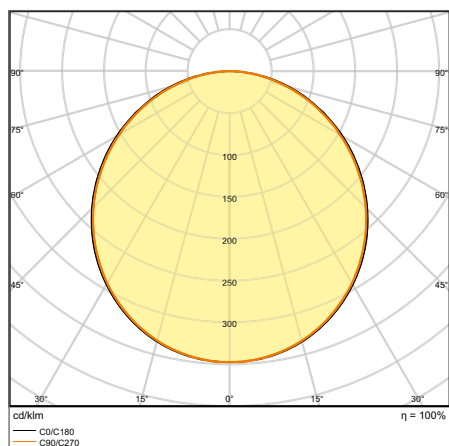
### PRODUCT BENEFITS

- Extremely small mounting depth due to very low-profile housing
- Energy savings of up to 60 % compared to luminaires that use CFL
- External driver for easy replacement
- 5 years guarantee

### AREAS OF APPLICATION

- Direct replacement for luminaires with compact fluorescent lamps
- General illumination
- Public areas
- Stairways
- Corridors

### FURTHER PRODUCT DETAILS



DL SLIM ALU DN 205 22 W 4000 K WT

## DOWNLIGHT SLIM ALU

Flat downlights with external driver and aluminum housing

VALUE  
CLASS

Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>			L x W x H [mm] Ø x H [mm]
DL SLIM ALU DN 180 17 W 3000 K WT	4058075 <b>063921</b>	1 x 26W CFLi	17	1350	80	3000	50000	120	180	192 x 23
DL SLIM ALU DN 180 17 W 4000 K WT	4058075 <b>063945</b>	1 x 26W CFLi	17	1400	80	4000	50000	120	180	192 x 23
DL SLIM ALU DN 205 22 W 3000 K WT	4058075 <b>064003</b>	2 x 18W CFLi	22	1850	85	3000	50000	120	205	225 x 23
DL SLIM ALU DN 205 22 W 4000 K WT	4058075 <b>064027</b>	2 x 18W CFLi	22	1920	90	4000	50000	120	205	225 x 23

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)

# SPOTLIGHTS

## IMPRESSIVE ALL ROUND: OUR SPOTLIGHTS

### SPOT VARIO



Page 42



PERFOR-  
MANCE  
CLASS

#### VERSATILE SWIVEL SPOTLIGHT FOR THE RETAIL AREA

- Ideal for accent lighting thanks to highly flexible tilt and swivel capability
- Easy replacement of the external driver thanks to plug with bayonet connection
- Low-flicker light < 10 %

### SPOT MULTI



Page 44



PERFOR-  
MANCE  
CLASS

#### POWERFUL MULTI-SPOTLIGHT WITH GIMBAL

- Low-flicker light < 10 %
- Flexible application thanks to excellent anti-glare properties UGR < 16
- Light-proof housing

### SPOT COMBO



Page 46

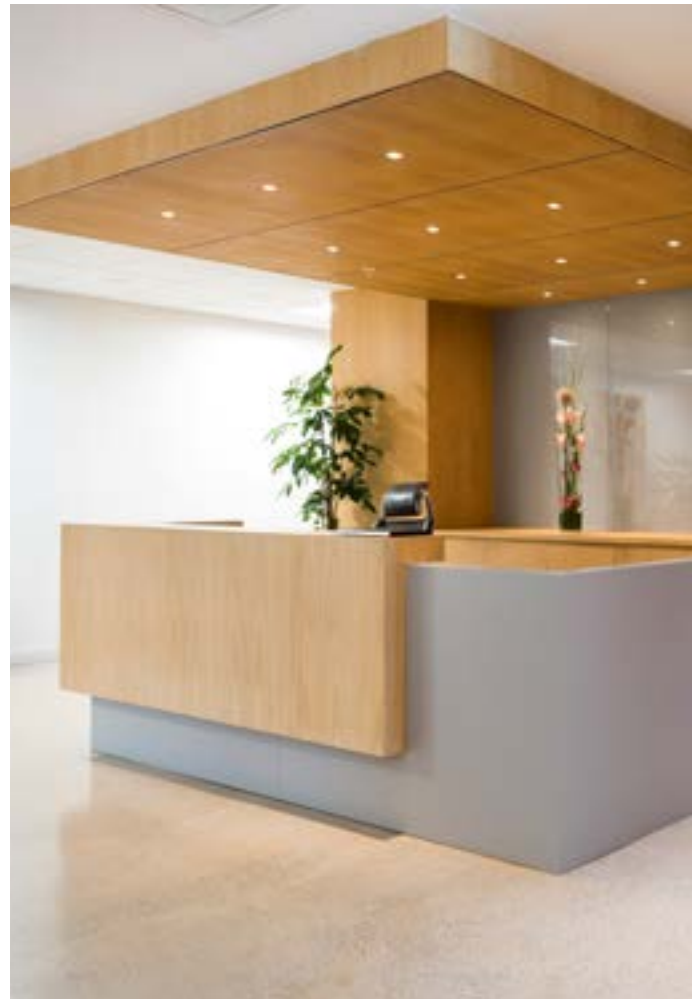
SPOT COMBO FIX  
SPOT COMBO ADJUST



VALUE  
CLASS

#### COVERABLE SPOT WITH CCT AND POWER SELECT

- Color temperature switch (CCT): 2700, 3000 and 4000K via switch on back of the spot
- Power Select option available to select between 2 lumen brightness packages
- IP65 protection





### SPOT FIX OR ADJUST



PERFORMANCE CLASS

Page 50  
SPOT FIX  
SPOT ADJUST



#### VERSATILE REPLACEMENT FOR HALOGEN SPOTLIGHTS

- Energy savings of up to 90 % compared to halogen lamp spotlights
- Advanced flexibility due to external DIMABLE driver (included), easy and quick installation, completely toolless, with twist and lock connector
- Power Select: Brightness adjustment via dip switches on the driver

### SPOT DARKLIGHT



PERFORMANCE CLASS

Page 54



#### IMPROVED SPOT WITH ANTI-GLARE LIGHT-COMFORT

- Darklight: Special construction for enhanced low-glare light-comfort
- Power Select: Brightness adjustment via dip switches on the driver
- Advanced flexibility due to external DIMABLE driver (included), easy and quick installation, completely toolless, with twist and lock connector

### SPOT FIRE RATED



PERFORMANCE CLASS

Page 56



#### OPTIMAL FOR CERTAIN FIRE-RESISTANT CEILINGS

- Fire-rated: Designed and tested to meet fire rating standards (in certain fire rated ceilings)
- Advanced flexibility due to external DIMABLE driver (included), easy and quick installation, completely toolless, with twist and lock connector
- Power Select: Brightness adjustment via dip switches on the driver

### SPOT AIR FIX OR ADJUST



PERFORMANCE CLASS

Page 58  
SPOT AIR FIX  
SPOT AIR ADJUST



#### SPOTLIGHTS FOR LOW-ENERGY AND NARROW CEILINGS

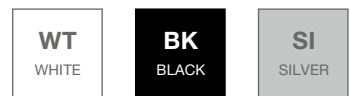
- Airtight construction for reduced air-leakage and limited energy loss
- Coverable by many types of thermal insulation material
- Low profile enables installation into shallow ceiling voids
- Advanced flexibility due to external DIMABLE driver (included), easy and quick installation, completely toolless, with twist and lock connector



# NEW HIGHLIGHTS: VERSATILE SPOTLIGHT FAMILY, FROM STANDARD APPLICATION TO MORE CHALLENGING CEILING TYPE

## GREAT QUALITY

- Full metal aluminum housing
- LEDVANCE SCALE Design
- In 3 different colors available



## GREAT LIGHT

- Faceted PMMA lens with perfectly shaped 38° beam angle
- Latest LED COB generation, CRI 90 and SDCM 3
- In 3 different color temperatures available



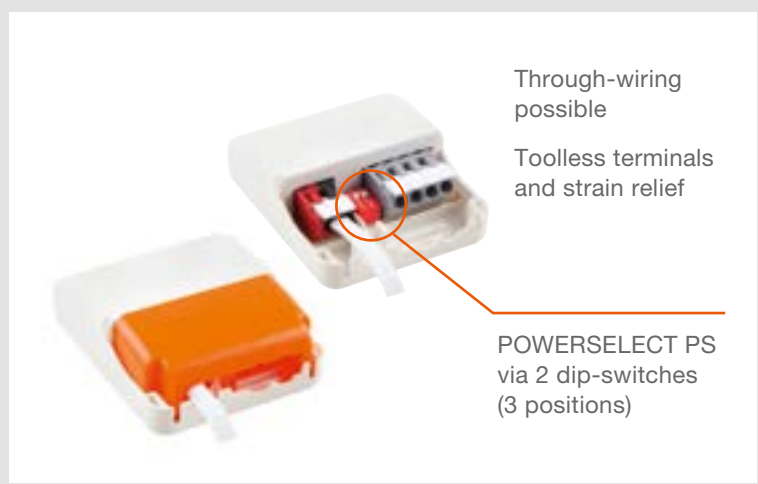
## VERSATILE

- FIX or ADJUSTABLE  $\pm 25^\circ$
- Convenient mounting (standard-cut of 68 mm, toolless, through-wiring, soft silicon pad, strong clips, refurbishment rings)
- Specialists for special ceiling-types (low profile, low built-in height, high IP)
- Water resistant versions with IP44 or IP65 protection class from roomside

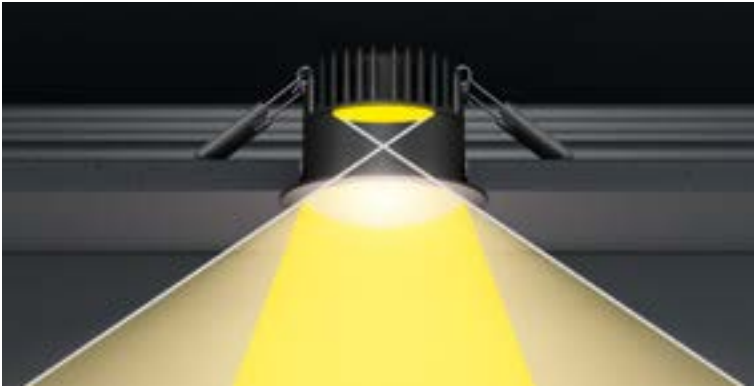


### SIMPLE, CONVENIENT, VERSATILE SPOT DRIVER PS 4/6/8 W DIM

A perfect team: Each LEDVANCE SPOT comes with an LED driver. It is perfectly matched to the luminaire's power values and boasts high functionality. Thanks to the piano key terminals, it can be connected without any tools. It can even be wired through to the next luminaire. POWERSELECT PS: A dip switch can be used to set the SPOT's maximum brightness in three levels. The driver is also steplessly controllable on standard LED universal or leading-edge/trailing-edge phase dimmers.



# ADVANCED PROPERTIES FOR SPECIAL APPLICATIONS: THE EXPERTS AMONG LEDVANCE SPOTLIGHTS CAN DO MORE



## SPOT DARKLIGHT

### THE LIGHTING COMFORT SPECIALIST

The first choice for hotels and homes. The light output of the SPOT DARKLIGHT, which is lowered deep into the housing, provides a wide upper shielding angle and therefore excellent glare control – especially in the black housing version with a warm white light color. Together with the luminaire's easy dimmability, this creates a high level of lighting comfort.



## SPOT FIRE RATED

### THE FIRE PROTECTION SPECIALIST

To meet stringent fire protection requirements, ceilings in certain building types and parts must have a special fire-retardant structure.

The SPOT FIRE RATED from LEDVANCE ensures that the functionality of the fire ceiling is maintained after installation for certain ceiling systems and fires\*.



## SPOT AIR FIX & AIR ADJUST

### THE ENERGY-SAVING SPECIALISTS

The German Buildings Energy Act (GEG) prescribes an airtight building envelope and uniformly thick thermal insulation throughout to prevent energy losses – especially for top floors. The LEDVANCE SPOT AIR uses a lamellar seal to create an airtight connection to the ceiling. It can also be covered directly with suitable rollable or blow-in insulating materials. If there is a vapor barrier, the SPOT HOLDER is used as a spacer.

## COMPATIBLE SPOT ACCESSORIES

Whether it's the SPOT RING to reduce an existing ceiling cut-out, the SPOT HOLDER to increase the distance between the spotlight and the insulation material or the CONNECTOR BOX for tool-free connection – the LEDVANCE SPOT accessories meet your individual needs. More from **page 62** or at [www.ledvance.com/spots-gen2/accessories](http://www.ledvance.com/spots-gen2/accessories)

\* Refer to the latest installation and safety instructions

## SPOT VARIO

Recessed mounted spotlight, swivelable



### PRODUCT FEATURES

- Housing material: aluminum
- Rotation angle: 0°...350°, tilt angle: 0°...35°
- Beam angle: 24°
- Large faceted reflector for high light output

### PRODUCT BENEFITS

- Ideal for accent lighting thanks to highly flexible tilt and swivel capability
- Easy replacement of external driver thanks to plug with bayonet lock
- Low-flicker light
- Die-cast aluminum housing for improved heat dissipation
- 5 years guarantee

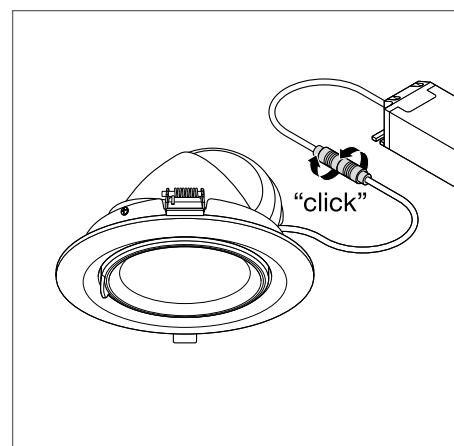
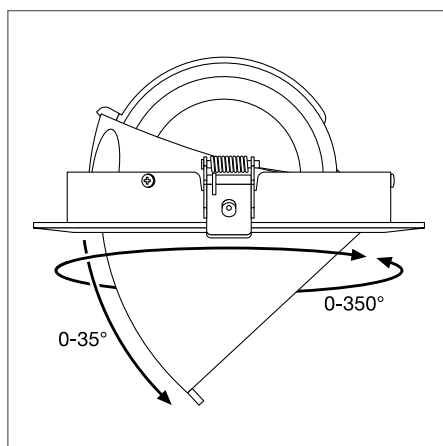
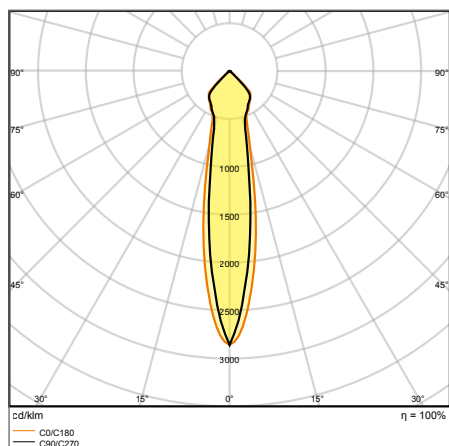
### AREAS OF APPLICATION

- Accent- and general lighting for all kind of salesrooms
- Retail
- Supermarkets
- Shops, boutiques
- Hotel rooms

### EQUIPMENT/ACCESSORIES

- Driver included

### FURTHER PRODUCT DETAILS



SPOT VARIO DN 170 35 W 3000 K  
24DEG WT

## SPOT VARIO

Recessed mounted spotlight, swivelable



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>			L x W x H [mm] Ø x H [mm]
SPOT VARIO DN 170 35 W 3000 K 24DEG WT	4058075104020	1 x 70 W HID	35	3350	95	3000	50000	24	170	180 x 129
SPOT VARIO DN 170 35 W 4000 K 24DEG WT	4058075104044	1 x 70 W HID	35	3550	100	4000	50000	24	170	180 x 129

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)



# SPOT MULTI

Recessed mounted spotlight, swivelable



## PRODUCT FEATURES

- Housing material: aluminum
- Housing, black; frame, white
- One driver per luminaire head (1-, 2-lamp)
- Gimbal adjustment angle: +/- 25°

## PRODUCT BENEFITS

- Low-flicker light
- Flexible application thanks to excellent anti-glare properties UGR < 16
- Light-proof housing
- Easy replacement of external driver thanks to plug with bayonet lock

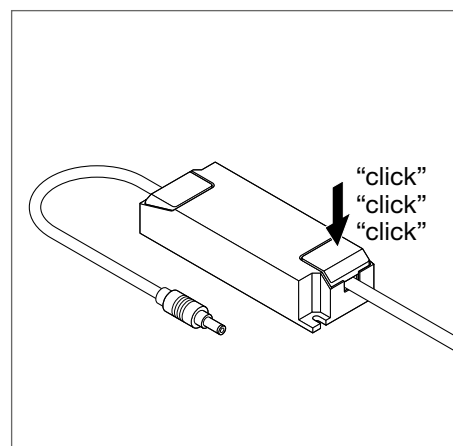
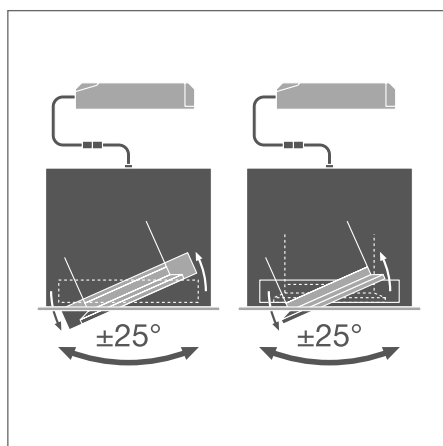
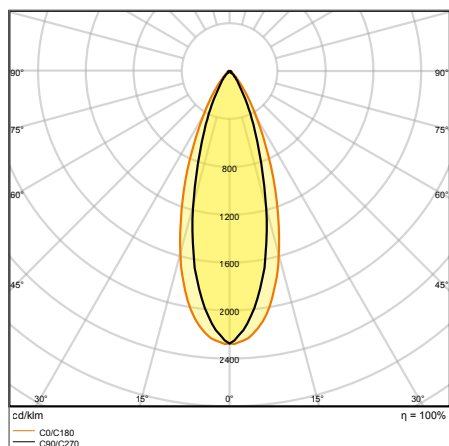
## AREAS OF APPLICATION

- Accent- and general lighting for all kind of salesrooms
- Fashion shops, accessories shops
- Shops, boutiques
- Hotel rooms
- Cafés

## EQUIPMENT/ACCESSORIES

- Driver included

## FURTHER PRODUCT DETAILS



SPOT MULTI 1 x 30W 3000K FL WT/BK

## SPOT MULTI

Recessed mounted spotlight, swivelable



Product name	EAN (GTIN)	Replacement for	W	lm	lm/w	K	L70 <sup>2</sup>			L x W x H [mm] Ø x H [mm]	No.
SPOT MULTI 1 x 30W 3000K FL WT/BK	4058075113923	1 x 35 W HID	30	2700	90	3000	50000	38	164 x 160	173 x 173 x 135	1
SPOT MULTI 1 x 30W 4000K FL WT/BK	4058075113947	1 x 35 W HID	30	2700	90	4000	50000	38	164 x 160	173 x 173 x 135	1
SPOT MULTI 2 x 30W 3000K FL WT/BK	4058075113961	2 x 35 W HID	2 x 30	2 x 2700	90	3000	50000	38	320 x 160	330 x 173 x 135	2
SPOT MULTI 2 x 30W 4000K FL WT/BK	4058075113985	2 x 35 W HID	2 x 30	2 x 2700	90	4000	50000	38	320 x 160	330 x 173 x 135	2

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)

## SPOT COMBO

Coverable spot with CCT and power select (CPS) in fix and adjustable version



1



2



2

### PRODUCT FEATURES

- Color temperature switch (CCT): 2700K, 3000K, 4000K
- Power select option available to select between 2 lumen packages
- Type of protection: IP65
- Housing material: polycarbonate (PC)

### PRODUCT BENEFITS

- White round ring included
- Color temperature adjustment via switch on the back of the spot
- Power select: Brightness adjustment via a switch on the driver
- Coverable with most thermal isolation material according to IEC 60598-2-2
- 5 years guarantee

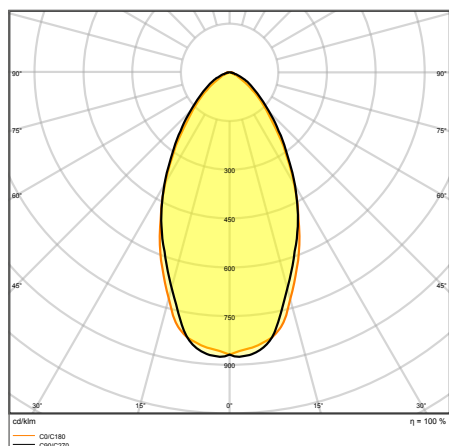
### AREAS OF APPLICATION

- Direct replacement for recessed spotlights with halogen lamps
- General illumination
- Hotel rooms and corridors
- Bars, restaurants
- Residential interiors

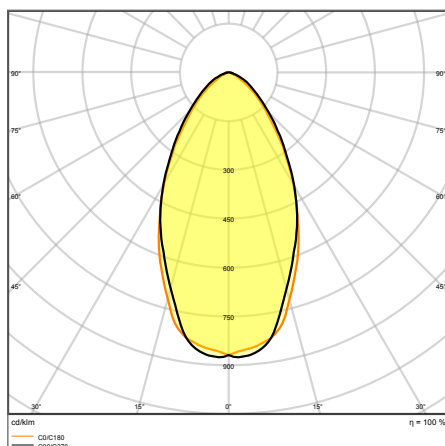
### EQUIPMENT/ACCESSORIES

- Already equipped with white round ring
- Additional cover rings separately available in round and square shape and in different colors

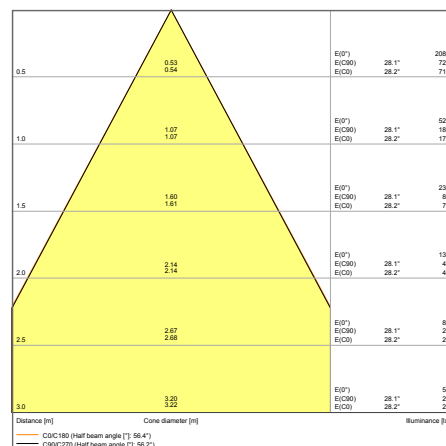
### FURTHER PRODUCT DETAILS



SP CBO FIX V 5.5W CPS 60DEG IP65 WT

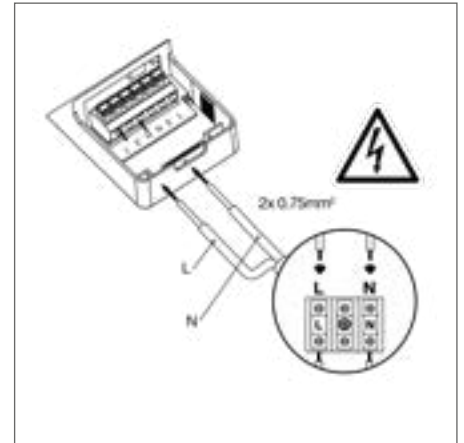


SP CBO ADJ V 5.5W CPS 60DEG IP65 WT



SP CBO ADJ V 5.5W CPS 60DEG IP65 WT

FURTHER PRODUCT DETAILS



SPOT COMBO FIX

Coverable spot with CCT and power select (CPS) in fix version

VALUE CLASS

W/W, Flicker Value < 5%, CRI 90, IP20/IP65, LEDVANCE 5 year guarantee

Product name	EAN (GTIN)	Replacement for	W	lm	lm/w	K	L70 <sup>2</sup>	°	∅	L × W × H [mm]	∅ × H [mm]	No.
SP CBO FIX V 5.5W CPS 60DEG IP65 WT	4099854092701	40 W INCAND.	5.5	600	109	2700/3000/4000	50000	60	68	81.5 × 48		1

SPOT COMBO ADJUST

Coverable spot with CCT and power select (CPS) in adjustable version

VALUE CLASS

W/W, Flicker Value < 5%, CRI 90, IP20/IP65, LEDVANCE 5 year guarantee

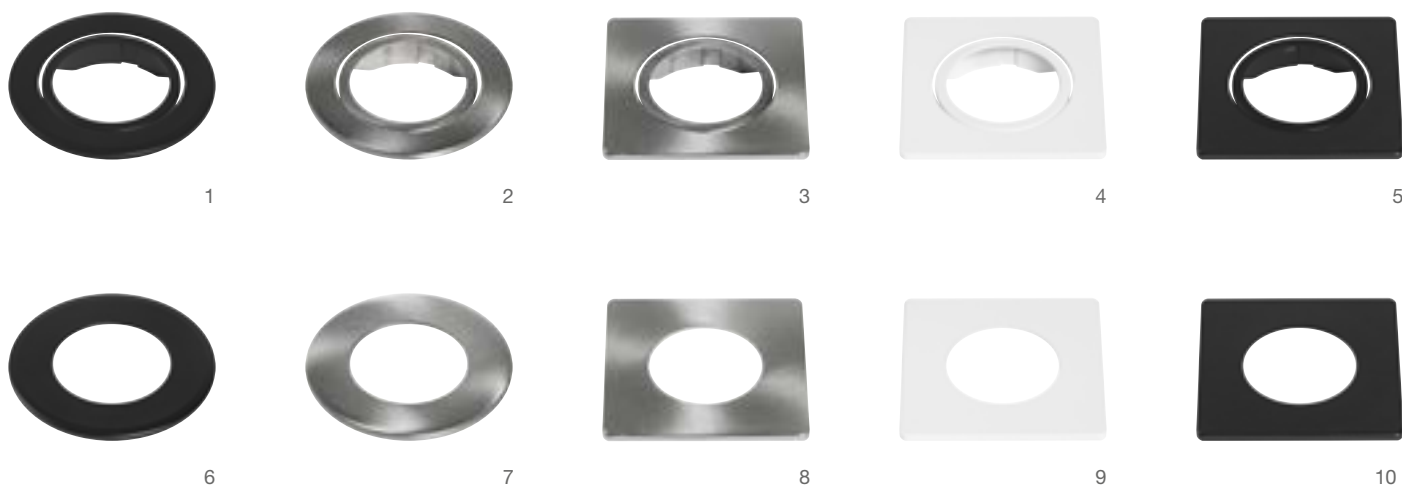
Product name	EAN (GTIN)	Replacement for	W	lm	lm/w	K	L70 <sup>2</sup>	°	∅	L × W × H [mm]	∅ × H [mm]	No.
SP CBO ADJ V 5.5W CPS 60DEG IP65 WT	4099854092725	40 W INCAND.	5.5	600	109	2700/3000/4000	50000	60	68	81.5 × 48		2

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)



## SPOT COMBO ACCESSORIES

Replaceable ring for SPOT COMBO ADJUST and FIX



### PRODUCT FEATURES

- Available in round and square shape
- Available in three different colors: white, black and brushed nickel
- Material: aluminum

### PRODUCT BENEFITS

- Elegant design

## SPOT COMBO RING ADJUST

Replaceable ring for SPOT COMBO ADJUST in round and square shape



Product name	EAN (GTIN)	L × W × H [mm] Ø × H [mm]	MATERIAL	COLOR	No.
SP CBO RING ADJ ROUND BK	4099854097911	81.5 × 3.7	Aluminum	Black	1
SP CBO RING ADJ ROUND BN	4099854097935	81.5 × 3.7	Aluminum	Brushed nickel	2
SP CBO RING ADJ SQUARE BN	4099854097959	81.5 × 81.5 × 3.7	Aluminum	Brushed nickel	3
SP CBO RING ADJ SQUARE WT	4099854097973	81.5 × 81.5 × 3.7	Aluminum	White	4
SP CBO RING ADJ SQUARE BK	4099854097997	81.5 × 81.5 × 3.7	Aluminum	Black	5

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

## SPOT COMBO RING FIX

Replaceable ring for SPOT COMBO FIX in round and square shape

LEDVANCE<sup>1</sup>  
5 year  
guarantee

Product name	EAN (GTIN)	L × W × H [mm] Ø × H [mm]	MATERIAL	COLOR	No.
SP CBO RING FIX ROUND BK	4099854098406	81.5 × 3.7	Aluminum	Black	6
SP CBO RING FIX ROUND BN	4099854098437	81.5 × 3.7	Aluminum	Brushed nickel	7
SP CBO RING FIX SQUARE BN	4099854099274	81.5 × 81.5 × 3.7	Aluminum	Brushed nickel	8
SP CBO RING FIX SQUARE WT	4099854099304	81.5 × 81.5 × 3.7	Aluminum	White	9
SP CBO RING FIX SQUARE BK	4099854099335	81.5 × 81.5 × 3.7	Aluminum	Black	10

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions



## SPOT FIX

Recessed mounted spotlight for indoor use, fixed



### PRODUCT FEATURES

- Color rendering index CRI: 90
- Type of protection: IP44 (room side)
- Beam angle: 36°
- Die-cast aluminum housing
- Silicon-pad protected springs
- Dimmable (with many common dimmers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim))
- Through-wiring possible

### PRODUCT BENEFITS

- Energy savings of up to 90 % compared to halogen lamp spotlights
- Powerselect: Brightness adjustment via dip switches on the driver
- Easy replacement of external driver thanks to plug with bayonet lock
- Easy installation and electrical connection thanks to tool-free electrical connectors
- SCALE Design – great appearance, valuable materials and small size fits into every surrounding
- 5 years guarantee

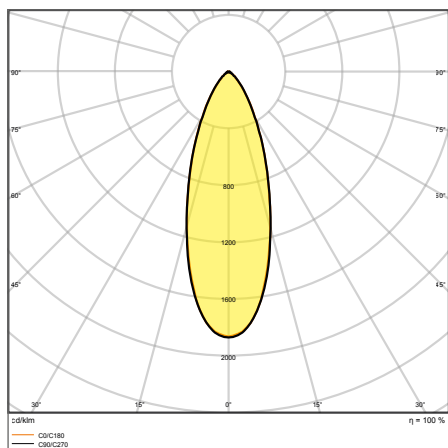
### AREAS OF APPLICATION

- Direct replacement for recessed spotlights with halogen lamps
- General illumination
- Hotel rooms and corridors
- Bars, restaurants
- Accent lighting
- Galleries, museums
- Residential interiors

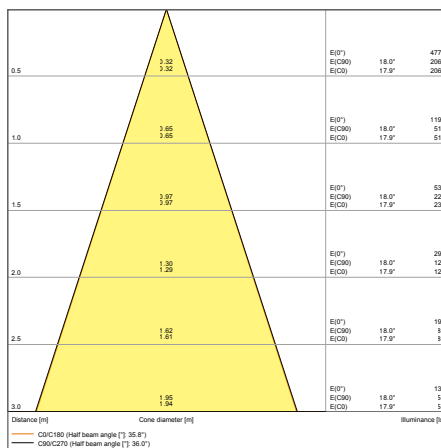
### EQUIPMENT / ACCESSORIES

- External control gear included with dip-switches to select power during installation
- Refurbishment rings are available as accessory
- Selected DALI 2.0 driver available as accessory

### FURTHER PRODUCT DETAILS

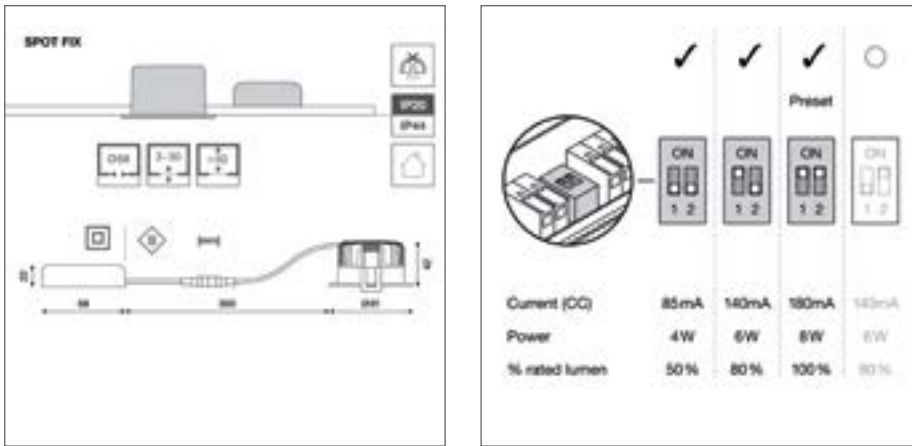


SP FIX P 8W 927 PS DIM IP44 WT



SP FIX P 8W 927 PS DIM IP44 WT

FURTHER PRODUCT DETAILS



SPOT FIX

Recessed mounted spotlight for indoor use, fixed



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>	△	Phase Cut	L x W x H [mm] Ø x H [mm]
SP FIX P 8W 927 PS DIM IP44 WT	4058075799523	75 W HAL	8	640	80	2700	50000	36	Phase Cut	81 x 42
SP FIX P 8W 930 PS DIM IP44 WT	4058075799547	75 W HAL	8	680	85	3000	50000	36	Phase Cut	81 x 42
SP FIX P 8W 940 PS DIM IP44 WT	4058075799561	75 W HAL	8	720	90	4000	50000	36	Phase Cut	81 x 42
SP FIX P 8W 927 PS DIM IP44 BK	4099854000126	75 W HAL	8	640	80	2700	50000	36	Phase Cut	81 x 42
SP FIX P 8W 930 PS DIM IP44 BK	4058075799585	75 W HAL	8	680	85	3000	50000	36	Phase Cut	81 x 42
SP FIX P 8W 930 PS DIM IP44 SI	4058075799608	75 W HAL	8	680	85	3000	50000	36	Phase Cut	81 x 42

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)

## SPOT ADJUST

Recessed mounted spotlight for indoor use, adjustable



### PRODUCT FEATURES

- Adjustable swivel angle:  $\pm 25^\circ$
- Color rendering index CRI: 90
- Beam angle:  $36^\circ$
- Die-cast aluminum housing
- Silicon-pad protected springs
- Dimmable (with many common dimmers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim))
- Through-wiring possible

### PRODUCT BENEFITS

- Energy savings of up to 90 % compared to halogen lamp spotlights
- Powerselect: Brightness adjustment via dip switches on the driver
- Easy replacement of external driver thanks to plug with bayonet lock
- Easy installation and electrical connection thanks to tool-free electrical connectors
- SCALE Design – great appearance, valuable materials and small size fits into every surrounding
- 5 years guarantee

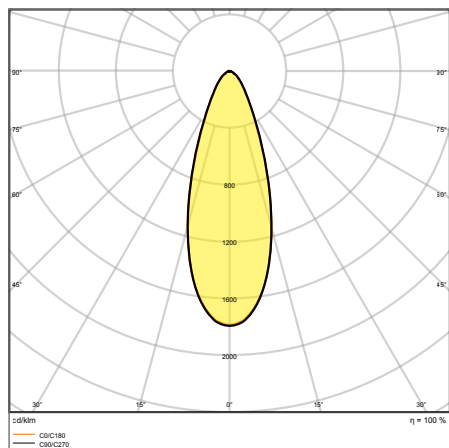
### AREAS OF APPLICATION

- Direct replacement for recessed spotlights with halogen lamps
- General illumination
- Hotel rooms and corridors
- Bars, restaurants
- Accent lighting
- Galleries, museums
- Residential interiors

### EQUIPMENT / ACCESSORIES

- External control gear included with dip-switches to select power during installation
- Refurbishment rings are available as accessory
- Selected DALI 2.0 driver available as accessory

### FURTHER PRODUCT DETAILS



Distance [m]	Cone diameter [m]	E07)	E1(C0)	18.2"	4570
0.5	1.33	E07)	E1(C0)	18.2"	1932
1.0	1.66	E07)	E1(C0)	18.2"	1143
1.5	1.99	E07)	E1(C0)	18.2"	508
2.0	1.32	E07)	E1(C0)	18.2"	219
2.5	1.64	E07)	E1(C0)	18.2"	386
3.0	1.97	E07)	E1(C0)	18.2"	127
					55

Distance [m] Cone diameter [m] Illuminance [lx]

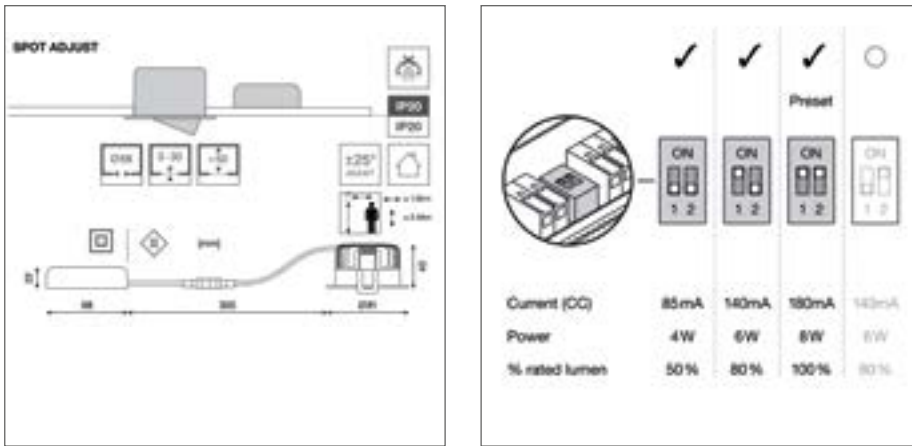
— C0/C180 (Half beam angle) [°: 36.4°]

SP ADJ P 8W 927 PS DIM IP20 WT

SP ADJ P 8W 927 PS DIM IP20 WT



FURTHER PRODUCT DETAILS



SPOT ADJUST

Recessed mounted spotlight for indoor use, adjustable



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>	Beam Angle	Beam Cut	L x W x H [mm] Ø x H [mm]
SP ADJ P 8W 927 PS DIM IP20 WT	4058075799622	75 W HAL	8	640	80	2700	50000	36	Phase Cut	81 x 43
SP ADJ P 8W 930 PS DIM IP20 WT	4058075799646	75 W HAL	8	680	85	3000	50000	36	Phase Cut	81 x 43
SP ADJ P 8W 940 PS DIM IP20 WT	4058075799660	75 W HAL	8	720	90	4000	50000	36	Phase Cut	81 x 43
SP ADJ P 8W 927 PS DIM IP20 BK	4099854000140	75 W HAL	8	640	80	2700	50000	36	Phase Cut	81 x 43
SP ADJ P 8W 930 PS DIM IP20 BK	4058075799684	75 W HAL	8	680	85	3000	50000	36	Phase Cut	81 x 43
SP ADJ P 8W 930 PS DIM IP20 SI	4058075799707	75 W HAL	8	680	85	3000	50000	36	Phase Cut	81 x 43

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)

# SPOT DARKLIGHT

Recessed mounted spotlight with improved anti-glare light-comfort UGR < 19, fixed



## PRODUCT FEATURES

- Color rendering index
- Type of protection: IP44 (room side)
- Beam angle: 36°
- Die-cast aluminum housing
- Silicon-pad protected springs
- Dimmable (with many common dimmers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim))
- Through-wiring possible

## PRODUCT BENEFITS

- Darklight: Special construction for enhanced low-glare light-comfort
- Stealth appearance thanks to extra small bezel
- Powerselect: Brightness adjustment via dip switches on the driver
- Easy replacement of external driver thanks to plug with bayonet lock
- Easy installation and electrical connection thanks to tool-free electrical connectors
- SCALE Design – great appearance, valuable materials and small size fits into every surrounding
- 5 years guarantee

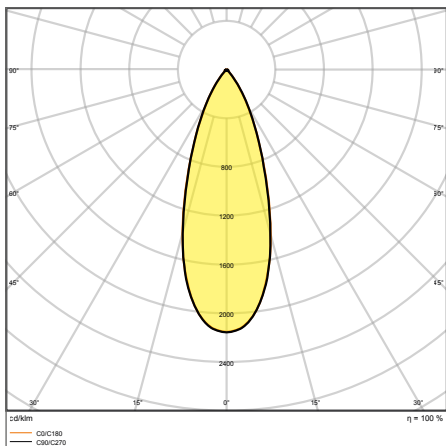
## AREAS OF APPLICATION

- Direct replacement for recessed spotlights with halogen lamps
- General illumination
- Hotel rooms and corridors
- Bars, restaurants
- Accent lighting
- Galleries, museums
- Residential interiors

## EQUIPMENT / ACCESSORIES

- External control gear included with dip-switches to select power during installation
- Refurbishment rings are available as accessory
- Selected DALI 2.0 driver available as accessory

## FURTHER PRODUCT DETAILS



Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	3.33 3.33	E(0°)	E(C90)	E(C0)	5515 2367 2367
1.0	3.66 3.67	E(0°)	E(C90)	E(C0)	1379 592 592
1.5	3.99 3.99	E(0°)	E(C90)	E(C0)	413 263 262
2.0	4.32 4.33	E(0°)	E(C90)	E(C0)	345 148 148
2.5	4.65 4.66	E(0°)	E(C90)	E(C0)	221 95 94
3.0	4.98 4.99	E(0°)	E(C90)	E(C0)	153 66 66

SP DK FIX P 8W 927 PS DIM IP44 WT

SP DK FIX P 8W 927 PS DIM IP44 WT

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

FURTHER PRODUCT DETAILS



	✓	✓	✓	○
	ON	ON	ON	ON
	1 2	1 2	1 2	1 2
				Preset
Current (CC)	85mA	140mA	180mA	140mA
Power	4W	6W	8W	6W
% rated lumen	50%	80%	100%	80%

SPOT DARKLIGHT

Recessed mounted spotlight with improved anti-glare light-comfort UGR < 19, fixed



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>	°	Phase Cut	L x W x H [mm] Ø x H [mm]
SP DK FIX P 8W 927 PS DIM IP44 WT	4058075799806	75 W HAL	8	640	80	2700	50000	36	Phase Cut	81 x 54
SP DK FIX P 8W 930 PS DIM IP44 WT	4058075799820	75 W HAL	8	680	85	3000	50000	36	Phase Cut	81 x 54
SP DK FIX P 8W 940 PS DIM IP44 WT	4058075799844	75 W HAL	8	720	90	4000	50000	36	Phase Cut	81 x 54
SP DK FIX P 8W 927 PS DIM IP44 BK	4099854000164	75 W HAL	8	640	80	2700	50000	36	Phase Cut	81 x 54
SP DK FIX P 8W 930 PS DIM IP44 BK	4058075799868	75 W HAL	8	680	85	3000	50000	36	Phase Cut	81 x 54
SP DK FIX P 8W 930 PS DIM IP44 SI	4058075799882	75 W HAL	8	680	85	3000	50000	36	Phase Cut	81 x 54

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)

## SPOT FIRE RATED

Recessed mounted spotlight for certain fire-resistant ceilings, fixed



### PRODUCT FEATURES

- Color rendering index CRI: 90
- Type of protection: IP65 (room side)
- Beam angle: 36°
- Die-cast aluminum housing
- Thermal expansion ribbon already preinstalled
- Silicon-pad protected springs
- Dimmable (with many common dimmers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim))
- Through-wiring possible

### PRODUCT BENEFITS

- Fire-rated: Designed and tested to meet fire rating standards (in certain fire rated ceilings)
- Airtight construction for reduced air-leakage and limited energy loss
- Powerselect: Brightness adjustment via dip switches on the driver
- Easy replacement of external driver thanks to plug with bayonet lock
- Easy installation and electrical connection thanks to tool-free electrical connectors
- SCALE Design – great appearance, valuable materials and small size fits into every surrounding
- 5 years guarantee

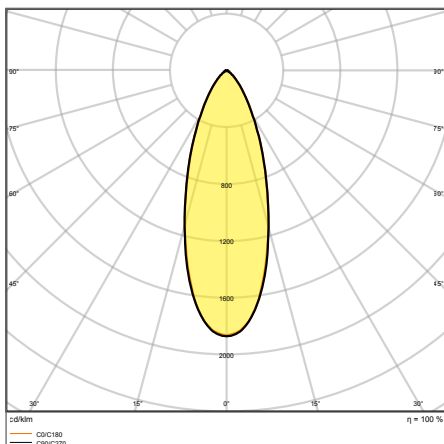
### AREAS OF APPLICATION

- Direct replacement for recessed spotlights with halogen lamps
- Fire resistant ceilings
- Hotel rooms and corridors
- Bars, restaurants
- Galleries, museums

### EQUIPMENT/ACCESSORIES

- External control gear included with dip-switches to select power during installation
- Selected DALI 2.0 driver available as accessory

### FURTHER PRODUCT DETAILS



Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	3.32	4774	18.0°	2694	2694
	3.32	2694	17.9°	2068	
	3.32				
1.0	3.65	1194	18.0°	516	517
	3.65	516	17.9°	317	
	3.65				
1.5	3.97	530	18.0°	229	230
	3.97	229	17.9°	133	
	3.97				
2.0	1.30	298	18.0°	129	129
	1.30	129	17.9°	129	
	1.30				
2.5	1.62	191	18.0°	83	83
	1.62	83	17.9°	83	
	1.62				
3.0	1.95	133	18.0°	57	57
	1.95	57	17.9°	57	
	1.95				

SP FP FIX P 8W 927 PS DIM IP65 WT

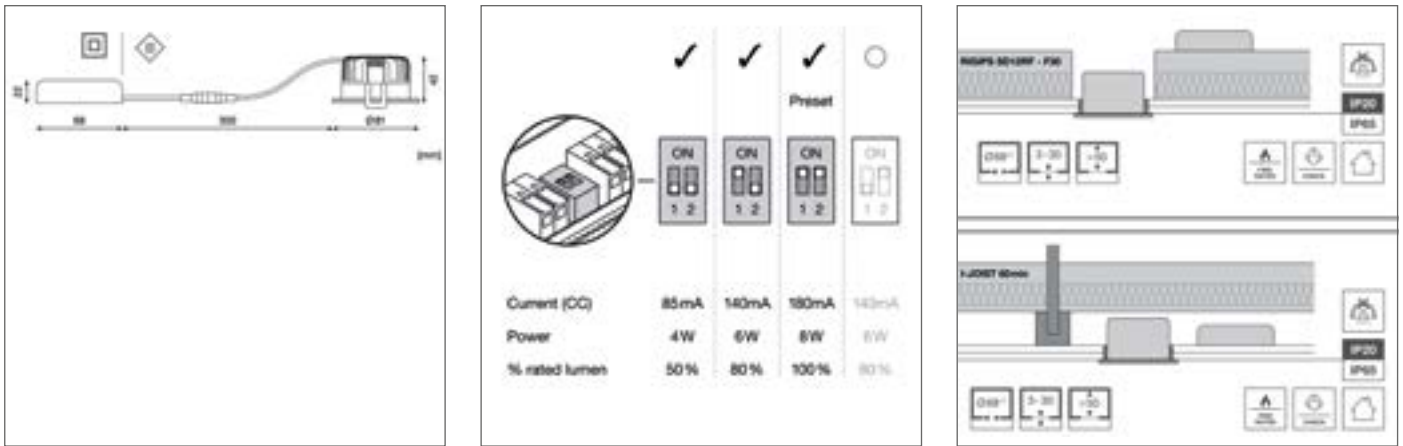
SP FP FIX P 8W 927 PS DIM IP65 WT

### SAFETY ADVICE

Installation hints in the current user instruction ([www.ledvance.com](http://www.ledvance.com)) must be observed. Coordination with your responsible fire safety inspector is required in advance.

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

FURTHER PRODUCT DETAILS



SPOT FIRE RATED

Recessed mounted spotlight for certain fire-resistant ceilings, fixed



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>	°	Beam Spread	Beam Diameter	L x W x H [mm] Ø x H [mm]
SP FP FIX P 8W 927 PS DIM IP65 WT	4058075799721	75 W HAL	8	640	80	2700	50000	36	Phase Cut		81 x 42
SP FP FIX P 8W 930 PS DIM IP65 WT	4058075799745	75 W HAL	8	680	85	3000	50000	36	Phase Cut		81 x 42
SP FP FIX P 8W 940 PS DIM IP65 WT	4058075799769	75 W HAL	8	720	90	4000	50000	36	Phase Cut		81 x 42
SP FP FIX P 8W 927 PS DIM IP65 BK	4099854000027	75 W HAL	8	640	80	2700	50000	36	Phase Cut		81 x 42
SP FP FIX P 8W 930 PS DIM IP65 BK	4058075799783	75 W HAL	8	680	85	3000	50000	36	Phase Cut		81 x 42

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)



# SPOT AIR FIX

Recessed mounted spotlight for low-energy and narrow ceilings, fixed



## PRODUCT FEATURES

- Color rendering index CRI: 90
- Type of protection: IP65 (room side)
- Beam angle: 36°
- Die-cast aluminum housing
- Silicon-pad protected springs
- Dimmable (with many common dimmers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim))
- Through-wiring possible

## PRODUCT BENEFITS

- Airtight construction for reduced air-leakage and limited energy loss
- Coverable by many types of thermal insulation material
- Low profile enables installation into shallow ceiling voids
- Powerselect: Brightness adjustment via dip switches on the driver
- Easy replacement of external driver thanks to plug with bayonet lock
- Easy installation and electrical connection thanks to tool-free electrical connectors
- SCALE Design – great appearance, valuable materials and small size fits into every surrounding
- 5 years guarantee

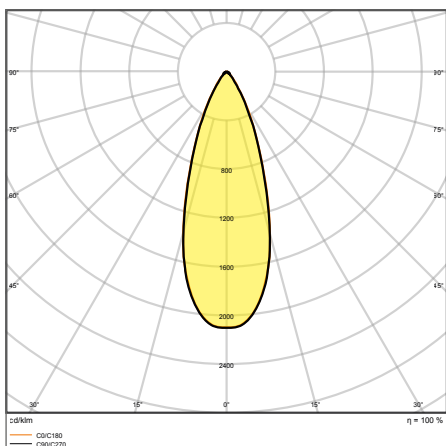
## AREAS OF APPLICATION

- Direct replacement for recessed spotlights with halogen lamps
- Ceilings in low-energy houses
- General illumination
- Hotel rooms and corridors
- Bars, restaurants
- Accent lighting
- Residential interiors

## EQUIPMENT / ACCESSORIES

- External control gear included with dip-switches to select power during installation

## FURTHER PRODUCT DETAILS



Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	illuminance [lx]
0.5	2.33	4301	1734	1731	
	3.33		18.2"	18.3"	
			18.2"	18.3"	
1.0	2.66	508	433	433	
	3.66		18.2"	18.3"	
			18.2"	18.3"	
1.5	2.99	448	352	352	
	3.99		18.2"	18.3"	
			18.2"	18.3"	
2.0	1.32	252	156	156	
	1.32		18.2"	18.3"	
			18.2"	18.3"	
2.5	1.64	161	69	69	
	1.64		18.2"	18.3"	
			18.2"	18.3"	
3.0	1.97	112	48	48	
	1.97		18.2"	18.3"	
			18.2"	18.3"	

SP AIR FIX P 6W 927 PS DIM IP65 WT

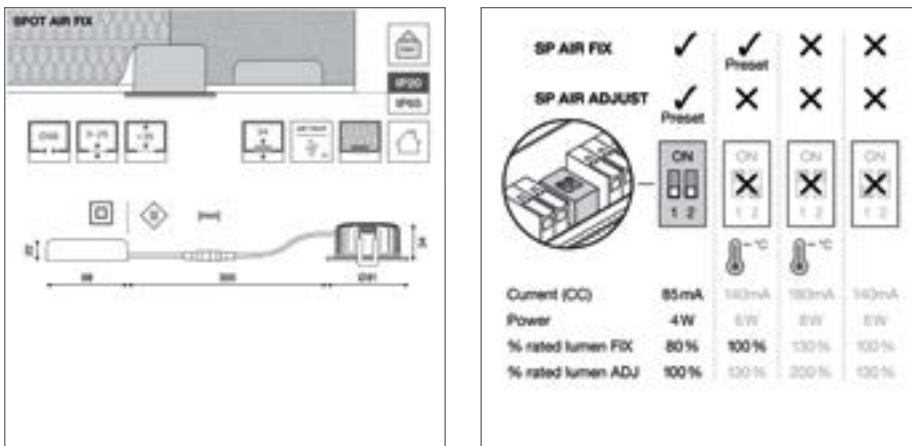
SP AIR FIX P 6W 927 PS DIM IP65 WT

## SAFETY ADVICE

Installation hints in the current user instruction ([www.ledvance.com](http://www.ledvance.com)) must be observed. If there is a moisture barrier foil, the spacer SP HOLDER must be used!

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

FURTHER PRODUCT DETAILS



SPOT AIR FIX

Recessed mounted spotlight for low energy and narrow ceilings, fixed



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>	Beam Angle	Beam Spread	Phase Cut	L x W x H [mm] Ø x H [mm]
SP AIR FIX P 6W 927 PS DIM IP65 WT	4058075799905	50W HAL	6	480	80	2700	50000	36	Phase Cut		81 x 34
SP AIR FIX P 6W 930 PS DIM IP65 WT	4058075799929	50W HAL	6	510	85	3000	50000	36	Phase Cut		81 x 34
SP AIR FIX P 6W 940 PS DIM IP65 WT	4058075799943	50W HAL	6	570	95	4000	50000	36	Phase Cut		81 x 34
SP AIR FIX P 6W 927 PS DIM IP65 BK	4099854000188	50W HAL	6	480	80	2700	50000	36	Phase Cut		81 x 34
SP AIR FIX P 6W 930 PS DIM IP65 BK	4058075799967	50W HAL	6	510	85	3000	50000	36	Phase Cut		81 x 34
SP AIR FIX P 6W 930 PS DIM IP65 SI	4058075799981	50W HAL	6	510	85	3000	50000	36	Phase Cut		81 x 34

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)

## SPOT AIR ADJUST

Recessed mounted spotlight for low-energy and narrow ceilings, adjustable



### PRODUCT FEATURES

- Adjustable swivel angle:  $\pm 25^\circ$
- Color rendering index CRI: 90
- Type of protection: IP23 (room side)
- Beam angle:  $36^\circ$
- Die-cast aluminum housing
- Silicon-pad protected springs
- Dimmable (with many common dimmers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim))
- Through-wiring possible

### PRODUCT BENEFITS

- Airtight construction for reduced air-leakage and limited energy loss
- Coverable by many types of thermal insulation material
- Low profile enables installation into shallow ceiling voids
- Easy replacement of external driver thanks to plug with bayonet lock
- Easy installation and electrical connection thanks to tool-free electrical connectors
- SCALE Design – great appearance, valuable materials and small size fits into every surrounding
- 5 years guarantee

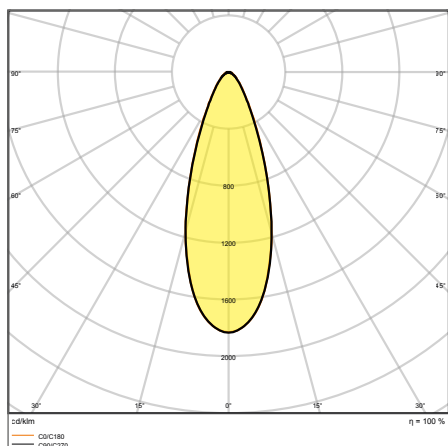
### AREAS OF APPLICATION

- Direct replacement for recessed spotlights with halogen lamps
- Ceilings in low-energy houses
- General illumination
- Hotel rooms and corridors
- Bars, restaurants
- Accent lighting
- Residential interiors

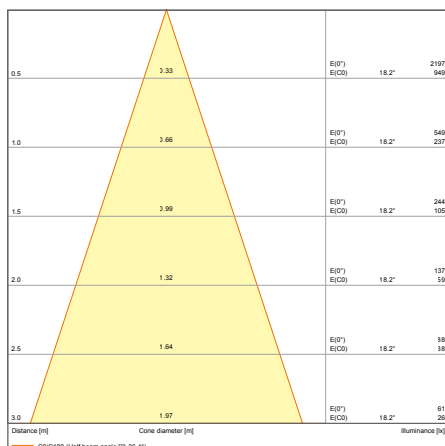
### EQUIPMENT / ACCESSORIES

- External control gear included

### FURTHER PRODUCT DETAILS



SP AIR ADJ P 4W 927 DIM IP23 WT



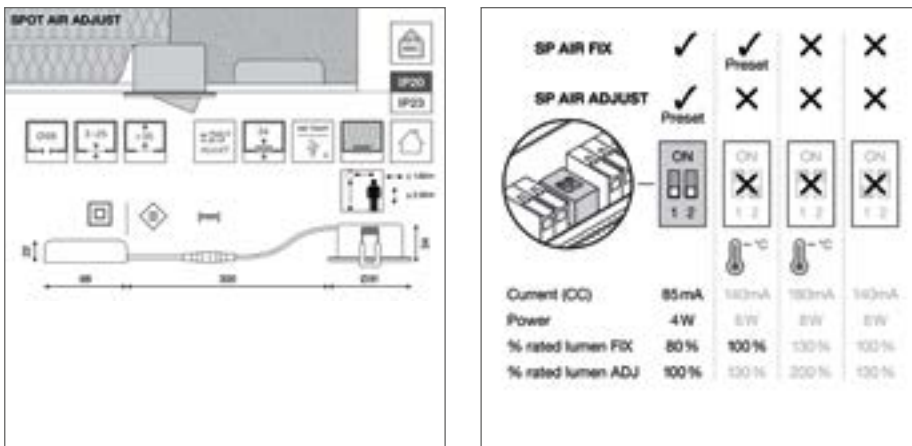
SP AIR ADJ P 4W 927 DIM IP23 WT

### SAFETY ADVICE

Installation hints in the current user instruction ([www.ledvance.com](http://www.ledvance.com)) must be observed. If there is a moisture barrier foil, the spacer SP HOLDER must be used!

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

FURTHER PRODUCT DETAILS



SPOT AIR ADJUST

Recessed mounted spotlight for low-energy and narrow ceilings, adjustable



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>	△	Beam Spread	Phase Cut	L x W x H [mm] Ø x H [mm]
SP AIR ADJ P 4W 927 DIM IP23 WT LEDV	4099854000003	35W HAL	4	300	75	2700	50000	36	Phase Cut		81 x 34
SP AIR ADJ P 4W 930 DIM IP23 WT LEDV	4099854000041	35W HAL	4	320	80	3000	50000	36	Phase Cut		81 x 34
SP AIR ADJ P 4W 940 DIM IP23 WT LEDV	4099854000065	35W HAL	4	340	85	4000	50000	36	Phase Cut		81 x 34
SP AIR ADJ P 4W 927 DIM IP23 BK LEDV	4099854000201	35W HAL	4	300	75	2700	50000	36	Phase Cut		81 x 34
SP AIR ADJ P 4W 930 DIM IP23 BK LEDV	4099854000089	35W HAL	4	320	80	3000	50000	36	Phase Cut		81 x 34
SP AIR ADJ P 4W 930 DIM IP23 SI LEDV	4099854000102	35W HAL	4	320	80	3000	50000	36	Phase Cut		81 x 34

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)

## SPOT ACCESSORIES

Spot accessories for SPOT FIX, ADJUST, DARKLIGHT, FIRE RATED, AIR FIX and AIR ADJUST



### SPOT RING

Refurbishment rings to reduce existing cut-out in recessed ceilings

#### PRODUCT FEATURES

- Material: deep-drawn steel
- Suitable only for LEDVANCE SPOTs in 68 mm cut-out
- Silicon-pad protected springs

#### PRODUCT BENEFITS

- Retrofit: Replacement of old recessed lights with LEDVANCE SPOTs FIX or ADJ in latest LED-technology
- Standardize: Reduce existing cut-outs to a standard cut-out of 68 mm
- Versatile: Refurbishment rings for padding cut-out holes from  $\varnothing 68$ – $\varnothing 90$  mm or  $\varnothing 68$ – $\varnothing 115$  mm or  $\varnothing 115$ – $\varnothing 160$  mm

#### AREAS OF APPLICATION

- Refurbishment of existing cut-outs in recessed ceilings

### SPOT HOLDER

Spacer to increase distance between spotlight and thermal insulation material

#### PRODUCT FEATURES

- Material: fibre-reinforced polyamide PA66
- Glow Wire Test according to IEC 60695-2-12: 850 °C
- Suitable only for LEDVANCE SPOTs in 68 mm cut-out

#### PRODUCT BENEFITS

- Increase distance between spotlight and thermal insulation material
- Protects moisture barrier foil from hot surface of spotlight and driver
- Robust: 4-leg spacer to hold thermal insulation material
- Improved lifetime for LED and driver thanks to increased air-volume

#### AREAS OF APPLICATION

- Ceilings in low-energy houses
- Ceilings with thermal insulation material



## CONNECTOR BOX

Toolless electrical connection of luminaires und LED-drivers

### PRODUCT FEATURES

- Connector box with push wire terminal for tool-free connection
- Suitable for recessed On-/Off-luminaires of the electric class II (L/N version)

### PRODUCT BENEFITS

- Through-wiring possible on the primary side

### AREAS OF APPLICATION

- For use in recessed ceilings

## SPOT DRIVER

Professional DALI driver for LEDVANCE 8 W SPOTS

### PRODUCT FEATURES

- IoT-ready driver with DALI-2 technology
- Push DIM function for dimming and switching directly on a pushbutton
- Suitable for emergency central battery installations acc. to EN 60598-2-22
- Twist & lock connector for ease of installation

### PRODUCT BENEFITS

- DALI driver with individual luminaire current set-up already installed
- Extended services such as energy monitoring and remote maintenance possible with DALI versions
- Easy replacement of external driver thanks to plug with bayonet lock

### AREAS OF APPLICATION

- DALI installations
- Can only be used with LEDVANCE SPOTS 8 W (CC 180 mA)
- Do not cover with any thermal insulation material

## SPOT ACCESSORIES

Product name	EAN (GTIN)	L x W x H [mm] Ø x H [mm]	W	MATERIAL	COLOR	No.
SP RING D100 WT	4099854136511	100 x 4	—	Steel	White	1
SP RING D100 BK	4099854136542	100 x 4	—	Steel	Black	—
SP RING D133 WT	4099854013355	133 x 3	—	Steel	White	2
SP RING D133 BK	4099854013386	133 x 3	—	Steel	Black	—
SP RING D180 WT	4099854013416	180 x 3	—	Steel	White	3
SP RING D180 BK	4099854013447	180 x 3	—	Steel	Black	—
SP HOLDER DN68 H65	4099854013478	93 x 93 x 73	—	Polyamid (PA)	Grey	4
CONNECTOR BOX 3POLE L/N/E	4099854013508	94 x 35 x 22	—	Polycarbonate (PC)	White	5
SP DRIVER DALI 8W	4099854089558	120 x 53 x 30	8	Polycarbonate (PC)	Grey	6

## SAFETY ADVICE

Installation hints in the current user instruction ([www.ledvance.com](http://www.ledvance.com)) must be observed  
This spacer is only allowed to be used in combination with SP AIR FIX or SP AIR ADJ!

# TRACKLIGHTS

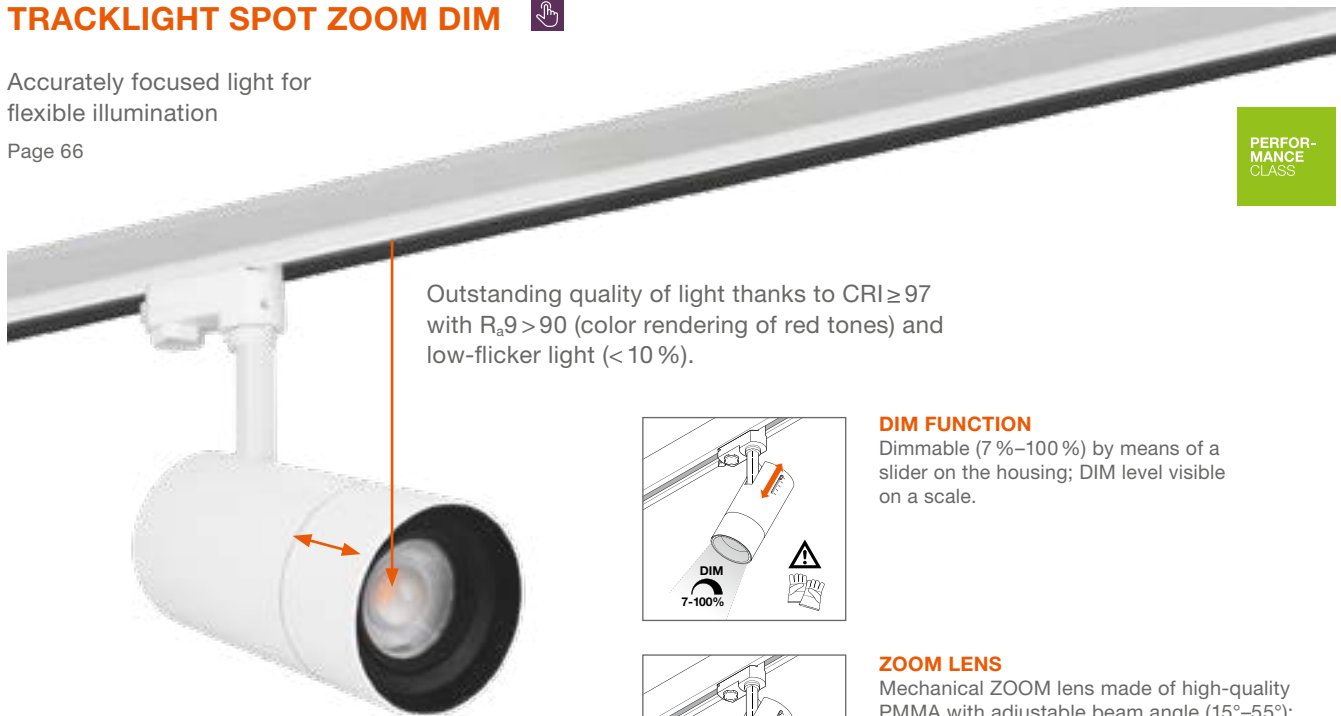
REDUCED DESIGN, EXTENSIVE FUNCTIONS

## TRACKLIGHT SPOT ZOOM DIM

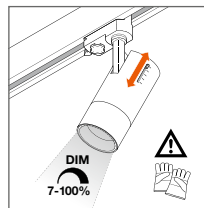
Accurately focused light for flexible illumination

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PERFORMANCE CLASS

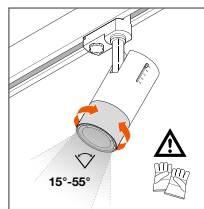


Outstanding quality of light thanks to CRI  $\geq 97$  with  $R_{a9} > 90$  (color rendering of red tones) and low-flicker light ( $< 10\%$ ).



### DIM FUNCTION

Dimmable (7%–100%) by means of a slider on the housing; DIM level visible on a scale.



### ZOOM LENS

Mechanical ZOOM lens made of high-quality PMMA with adjustable beam angle (15°–55°); angle visible on a scale on the lens holder. The ZOOM mechanism concealed in the housing keeps the shape of the housing unchanged.

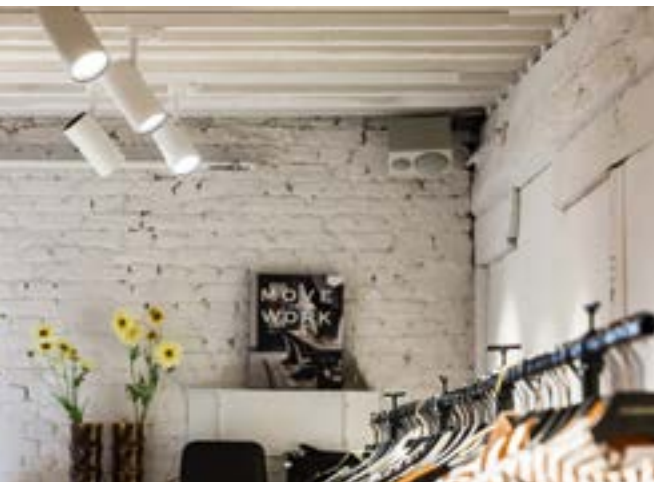
Choice of color for housing:



Matt white (WT)



Matt black (BK)



## OUR SPOTLIGHTS ARE ALSO CHARACTERIZED BY THE FOLLOWING SHARED QUALITY FEATURES:

- Included 3-phase adapter compatible with common power rails (such as NORLUX, GLOBAL, NUCO, NORDIC)
- High material quality thanks to die-cast aluminum housing
- High flexibility thanks to tilt and swivel joints



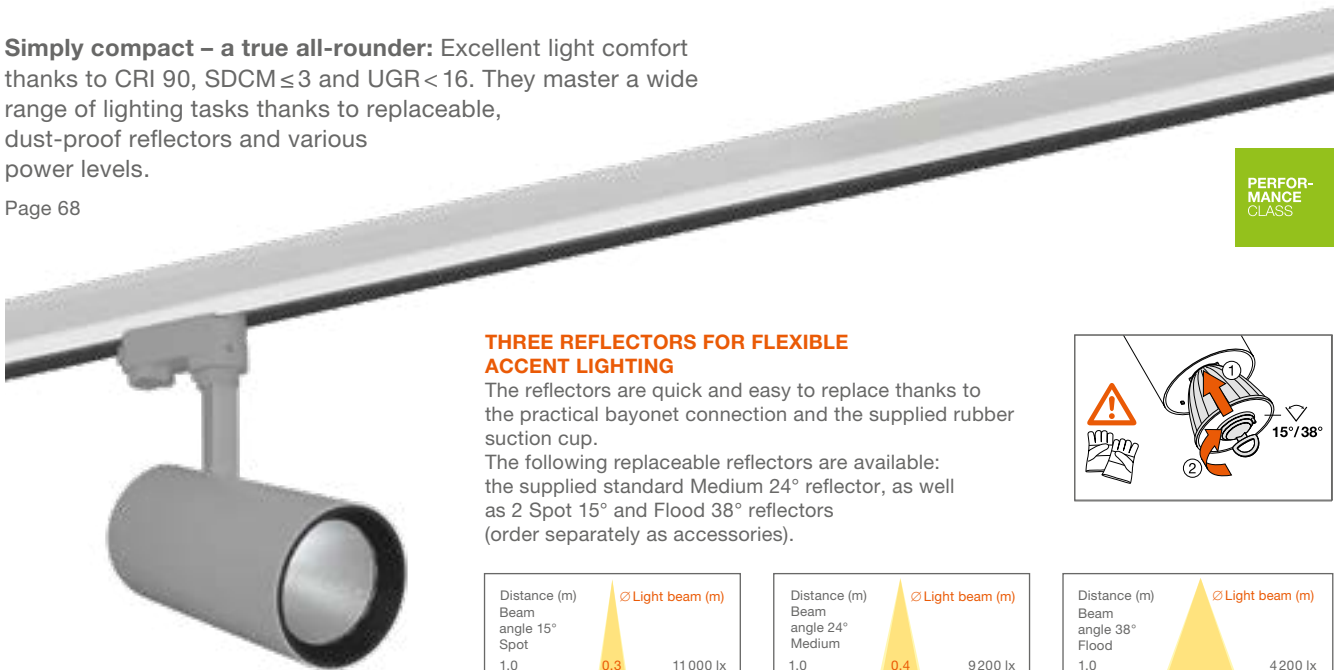


## TRACKLIGHT SPOT

**Simply compact – a true all-rounder:** Excellent light comfort thanks to CRI 90, SDCM ≤ 3 and UGR < 16. They master a wide range of lighting tasks thanks to replaceable, dust-proof reflectors and various power levels.

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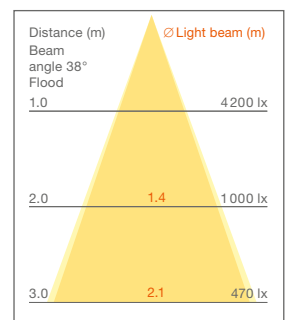
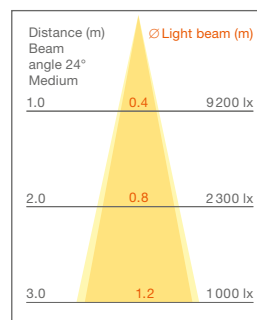
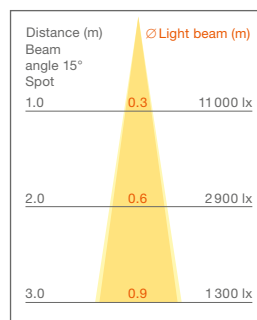
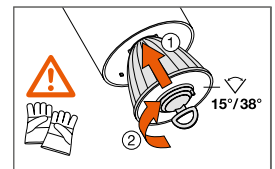
PERFORMANCE CLASS



### THREE REFLECTORS FOR FLEXIBLE ACCENT LIGHTING

The reflectors are quick and easy to replace thanks to the practical bayonet connection and the supplied rubber suction cup.

The following replaceable reflectors are available: the supplied standard Medium 24° reflector, as well as 2 Spot 15° and Flood 38° reflectors (order separately as accessories).



Choice of color for housing:



EAN: 4058075113442, Tracklight Spot 25 W/3000 K, rounded measured values

# TRACKLIGHT SPOT ZOOM DIM

Dimmable 3-phase tracklight spot with mechanical zoom lens



1



2



3

## PRODUCT FEATURES

- Robust die-cast aluminum housing
- Available in matt white (like RAL9016), matt black (like RAL9004)
- Very good color rendering index CRI 97 and CRI > 90
- Dimmable (7 %–100 %) via slider potentiometer directly on each luminaire
- Mechanical zoom lens with a beam angle of 15° to 55°

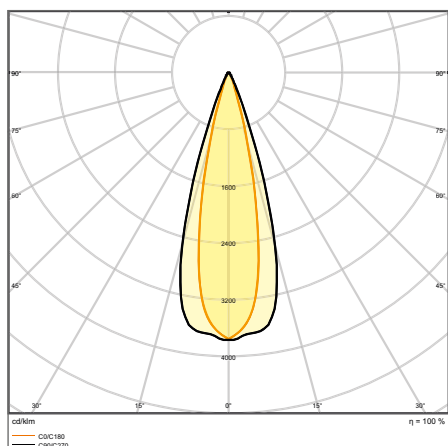
## PRODUCT BENEFITS

- Dimmable 3-phase track-mounted spotlight with mechanical zoom optics integrated in the housing
- Included 3-phase adapter compatible with common tracks (GLOBAL, POWERGEAR, EUTRAC, STAFF, NORLUX, NUCO, NORDIC)
- High-quality spotlight thanks to excellent color rendering
- Low-flicker light
- 5 years guarantee

## AREAS OF APPLICATION

- Direct replacement for luminaires using HID lamps
- Accent lighting
- Galleries, museums
- Fashion shops, accessories shops
- Shops, changing rooms, shop windows

## FURTHER PRODUCT DETAILS



Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	0.28 0.20	E(0°)	15.7°	25949	
		E(C90)	11.5°	11589	12309
1.0	0.56 0.41	E(0°)	15.7°	6487	
		E(C90)	11.5°	2597	3077
1.5	0.84 0.61	E(0°)	15.7°	2883	
		E(C90)	11.5°	1332	1568
2.0	1.12 0.81	E(0°)	15.7°	1822	
		E(C90)	11.5°	749	769
2.5	1.41 1.02	E(0°)	15.7°	1038	
		E(C90)	11.5°	480	492
3.0	1.69 1.22	E(0°)	15.7°	721	
		E(C90)	11.5°	333	342

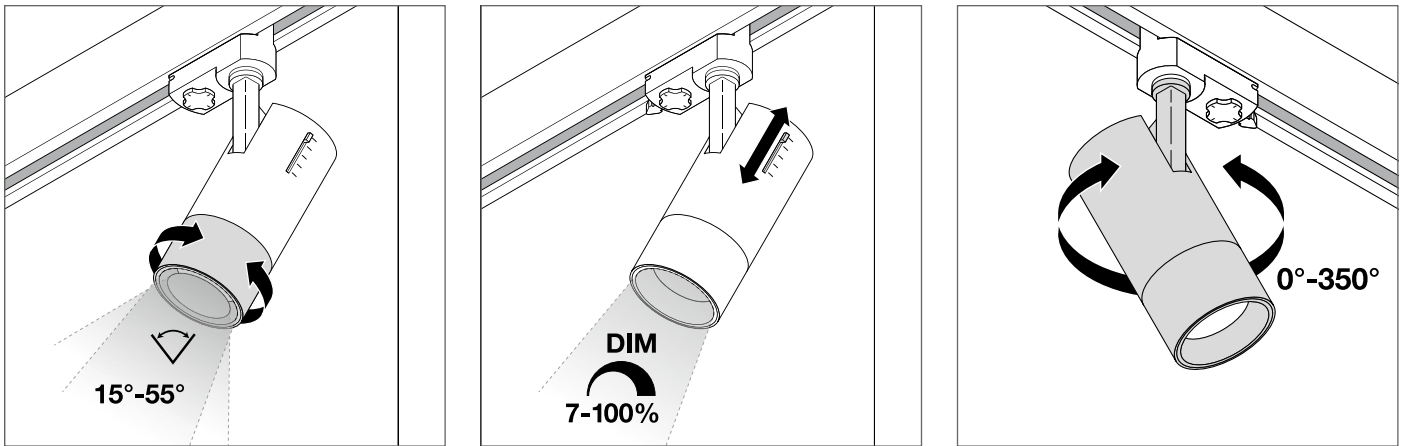
Distance [m]    Cone diameter [m]    Illuminance [lx]

— C08C180 (Half beam angle [°]: 25.0°)  
— C09C270 (Half beam angle [°]: 31.4°)

TR SP ZOOM DIM D85 25 W 3000 K 97R WT

TR SP ZOOM DIM D85 25 W 4000 K DIM 25DEG

FURTHER PRODUCT DETAILS



TRACKLIGHT SPOT ZOOM DIM

Dimmable 3-phase tracklight spot with mechanical zoom lens



Product name	EAN (GTIN)	Replacement for	W	lm	lm/w	K	L70 <sup>2</sup>	t[h]	Beam angle	Dimming	L x W x H [mm] Ø x H [mm]	No.
TR SP ZOOM DIM D85 25 W 3000 K 97R WT	4058075335769	50W HCL	25	1500	60	3000	50000	15...55	✓	✓	85 x 265	2
TR SP ZOOM DIM D85 25 W 4000 K 97R WT	4058075335783	50W HCL	25	1500	60	4000	50000	15...55	✓	✓	85 x 265	2
TR SP ZOOM DIM D85 25 W 3000 K 97R BK	4058075335806	50W HCL	25	1500	60	3000	50000	15...55	✓	✓	85 x 265	3
TR SP ZOOM DIM D85 25 W 4000 K 97R BK	4058075335820	50W HCL	25	1500	60	4000	50000	15...55	✓	✓	85 x 265	3

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)



# TRACKLIGHT SPOT

3-phase tracklight spot with integrated control gear



## PRODUCT FEATURES

- Robust die-cast aluminum housing
- Available in matt white (like RAL9016), matt black (like RAL9004) and concrete grey (like RAL7042)
- Very good color rendering index Ra: 90
- Rotation angle: 350°, tilt angle: 90°
- Equipped with reflectors with 24° beam angle

## PRODUCT BENEFITS

- Deep reflector and black antiglare ring for minimized glare ( $UGR \leq 16$ )
- Accessory reflectors with 15° or 38° beam angle available
- Reflector easily replaceable thanks to bayonet catch and rubber suction pad
- Included 3-phase adapter compatible with common tracks (GLOBAL, POWERGEAR, EUTRAC, STAFF, NORLUX, NUCO, NORDIC)
- Low-flicker light

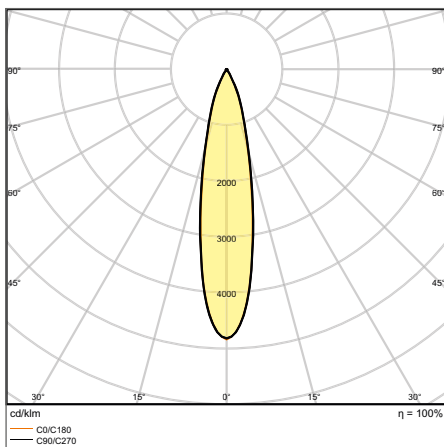
## AREAS OF APPLICATION

- Direct replacement for luminaires using HID lamps
- Accent lighting
- Fashion shops, accessories shops
- Retail
- Hotels, restaurants, shops

## EQUIPMENT/ACCESSORIES

- Accessory reflectors with 15° or 38° beam angle available as an optional accessory

## FURTHER PRODUCT DETAILS



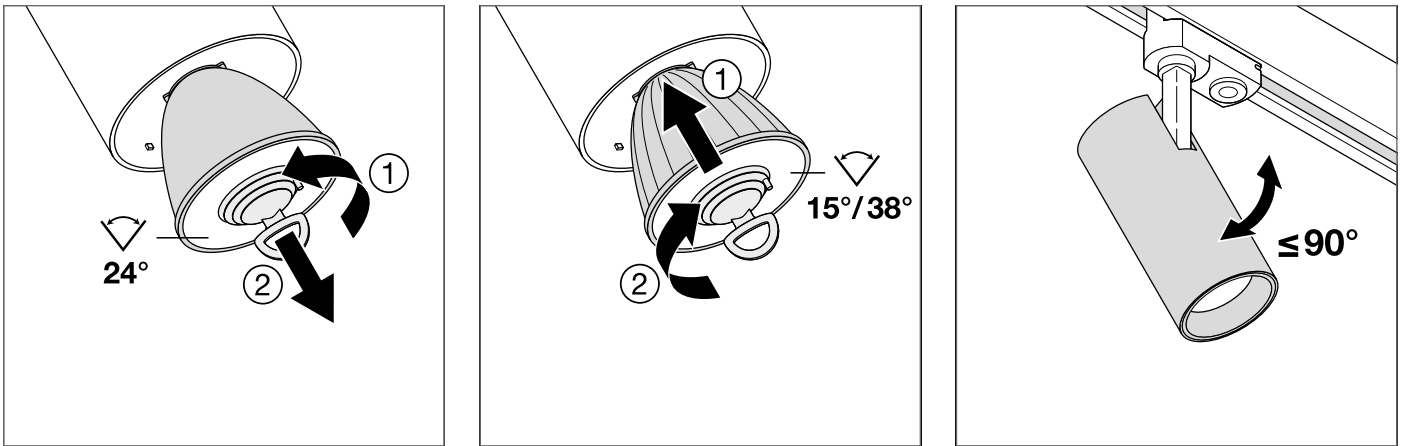
Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	0.19 0.19	81247	38656	38871	11.0° 10.9°
1.0	0.39 0.39	20312	9664	9718	11.0° 10.9°
1.5	0.58 0.58	9327	4295	4319	11.0° 10.9°
2.0	0.78 0.77	5078	2416	2429	11.0° 10.9°
2.5	0.97 0.96	3250	1546	1555	11.0° 10.9°
3.0	1.17 1.16	2257	1074	1080	11.0° 10.9°

— C0/C180 (Half beam angle [°]: 21.8°)  
— C90/C270 (Half beam angle [°]: 22.0°)

TRACK SP D95 55 W 4000 K 90RA NFL GY

TRACK SP D95 55 W 4000 K NFL

### FURTHER PRODUCT DETAILS



### TRACKLIGHT SPOT

3-phase tracklight spot with integrated control gear

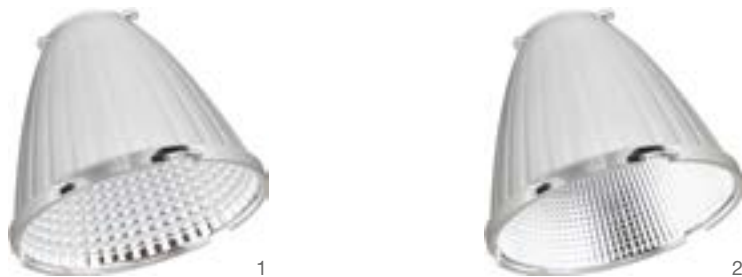


Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>	⚡	L × W × H [mm] ∅ × H [mm]	💡 No.
TRACK SP D75 25 W 3000 K 90RA NFL WT	4058075113442	35 W HID	25	1750	70	3000	50000	24	75 × 255	1
TRACK SP D75 25 W 4000 K 90RA NFL WT	4058075113466	35 W HID	25	1900	75	4000	50000	24	75 × 255	1
TRACK SP D75 25 W 3000 K 90RA NFL BK	4058075113565	35 W HID	25	1750	75	3000	50000	24	75 × 255	—
TRACK SP D75 25 W 4000 K 90RA NFL BK	4058075113589	35 W HID	25	1900	80	4000	50000	24	75 × 255	—
TRACK SP D75 25 W 3000 K 90RA NFL GY	4058075113688	35 W HID	25	1750	75	3000	50000	24	75 × 255	—
TRACK SP D75 25 W 4000 K 90RA NFL GY	4058075113701	35 W HID	25	1900	75	4000	50000	24	75 × 255	—
TRACK SP D85 35 W 3000 K 90RA NFL WT	4058075113480	50 W HID	35	2660	70	3000	50000	24	85 × 267	—
TRACK SP D85 35 W 4000 K 90RA NFL WT	4058075113503	50 W HID	35	2800	75	4000	50000	24	85 × 267	—
TRACK SP D85 35 W 3000 K 90RA NFL BK	4058075113602	50 W HID	35	2660	75	3000	50000	24	85 × 267	—
TRACK SP D85 35 W 4000 K 90RA NFL BK	4058075113626	50 W HID	35	2800	80	4000	50000	24	85 × 267	—
TRACK SP D85 35 W 3000 K 90RA NFL GY	4058075113725	50 W HID	35	2660	75	3000	50000	24	85 × 267	—
TRACK SP D85 35 W 4000 K 90RA NFL GY	4058075113749	50 W HID	35	2800	75	4000	50000	24	85 × 267	—
TRACK SP D95 55 W 3000 K 90RA NFL WT	4058075113527	70 W HID	55	4000	70	3000	50000	24	95 × 297	—
TRACK SP D95 55 W 4000 K 90RA NFL WT	4058075113541	70 W HID	55	4200	75	4000	50000	24	95 × 297	—
TRACK SP D95 55 W 3000 K 90RA NFL BK	4058075113640	70 W HID	55	4000	75	3000	50000	24	95 × 297	2
TRACK SP D95 55 W 4000 K 90RA NFL BK	4058075113664	70 W HID	55	4200	80	4000	50000	24	95 × 297	2
TRACK SP D95 55 W 3000 K 90RA NFL GY	4058075113763	70 W HID	55	4000	75	3000	50000	24	95 × 297	3
TRACK SP D95 55 W 4000 K 90RA NFL GY	4058075113787	70 W HID	55	4200	75	4000	50000	24	95 × 297	3

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)

## TRACKLIGHT SPOT REFLECTOR

Interchangeable reflector



### PRODUCT FEATURES

- Reflector easily replaceable thanks to bayonet catch and rubber suction pad
- Clear cover protects the reflector against dust and contact
- High optical efficacy
- Housing material: polycarbonate (PC)
- Accessory reflectors available in different beam angles

## TRACKLIGHT SPOT REFLECTOR

Interchangeable reflector



Product name	EAN (GTIN)	L × W × H [mm] ∅ × H [mm]	MATERIAL	COLOR			
TRACK SP REFLECTOR D75 SP	4058075113800	63 × 53	Polycarbonate (PC)	Silver	15	1	1
TRACK SP REFLECTOR D75 FL	4058075113824	63 × 53	Polycarbonate (PC)	Silver	38	1	2
TRACK SP REFLECTOR D85 SP	4058075113848	75 × 63	Polycarbonate (PC)	Silver	15	1	1
TRACK SP REFLECTOR D85 FL	4058075113862	75 × 63	Polycarbonate (PC)	Silver	38	1	2
TRACK SP REFLECTOR D95 SP	4058075113886	82 × 69	Polycarbonate (PC)	Silver	15	1	1
TRACK SP REFLECTOR D95 FL	4058075113909	82 × 69	Polycarbonate (PC)	Silver	38	1	2

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions





# WALL AND CEILING LUMINAIRES

IDEAL FOR PUBLIC AREAS

## SURFACE COMPACT IK10



PERFORMANCE CLASS

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### ROBUST, POWERFUL SURFACE-MOUNTED LUMINAIRE

- Resistant to vandalism
- Transparent cover protects against dust and moisture
- High luminous efficacy

## SURFACE BULKHEAD



PERFORMANCE CLASS

Page 86

- SURFACE BULKHEAD
- SURFACE BULKHEAD SENSOR
- SURFACE BULKHEAD EMERGENCY
- SURFACE BULKHEAD SENSOR EMERGENCY
- SURFACE BULKHEAD ACCESSORY RINGS

### GREAT PERFORMANCE INDOORS AND OUTDOORS

- Extremely versatile through switchable, HF-sensor and 3 h single-battery versions
- Suitable for use in public areas thanks to high IK rating
- Easy installation on wall and ceiling with through-wiring option

## SURFACE CIRCULAR



VALUE CLASS

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- SURFACE CIRCULAR
- SURFACE CIRCULAR 500 PS
- SURFACE CIRCULAR 500 DALI
- SURFACE CIRCULAR SENSOR
- SURFACE CIRCULAR 500 SENSOR PS
- SURFACE CIRCULAR 350 3CCT
- SURFACE CIRCULAR 350 3CCT SENSOR
- SURFACE CIRCULAR ACCESSORIES

### FOR STANDARD APPLICATIONS

- Versions with sensor: easy adjustment of the sensor range, daylight detection and illumination time
- Energy savings of up to 55 % compared with luminaires that use compact fluorescent lamps
- Quick and easy installation

## SURFACE SQUARE



VALUE CLASS

Page 82

- SURFACE SQUARE 330
- SURFACE SQUARE 330 SENSOR
- SURFACE SQUARE 330 3CCT
- SURFACE SQUARE 330 3CCT SENSOR
- SURFACE SQUARE COVER

### FOR STANDARD APPLICATIONS

- Luminaire versions available with and without high frequency sensor and selectable CCT
- Energy savings of up to 55 % compared to luminaires that use compact fluorescent lamps
- Easy and quick installation

## ROBUST, RUGGED AND VANDAL-PROOF

LEDVANCE SURFACE BULKHEAD and LEDVANCE SURFACE COMPACT IK10 are characterized by rugged design, an impact-resistant housing made of reinforced polycarbonate with IK10 rating, and high IP65 degree of protection. Torx screws make it harder for the luminaires to be removed with a conventional screwdriver, making them ideally protected against vandalism.



SURFACE BULKHEAD

SURFACE COMPACT IK10





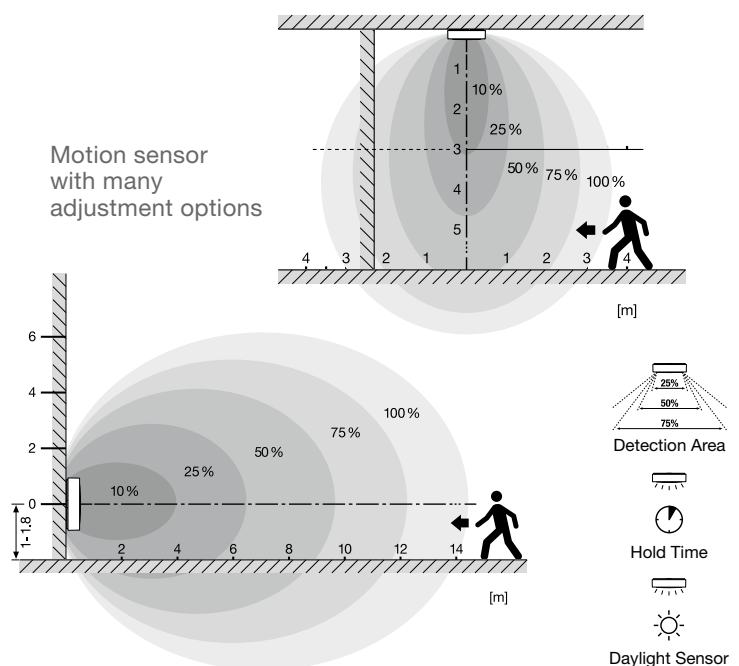
# INTELLIGENT SENSOR TECHNOLOGY



## SENSORS FOR SAFETY AND EFFICIENCY

LEDVANCE SURFACE BULKHEAD, CIRCULAR and SQUARE luminaires are available with state-of-the-art sensor technology. The flexible adjustment options allow illumination as required. This allows for light comfort and safety to be combined with maximum efficiency:

- HF sensor technology for motion detection
- Four-step twilight switching; activation adjustable between 2 and 50 lux
- Motion sensor with wide detection range (for wall and ceiling mounting); adjustable in five steps between 10 and 100 percent
- Hold time from 5 seconds to 30 minutes



## SURFACE COMPACT IK10

Wall and ceiling luminaire with high impact resistance



### PRODUCT FEATURES

- Housing and cover made from polycarbonate
- Impact resistance: IK10
- Glow Wire Test according to IEC 60695-2-12: 850 °C
- Through-wiring possible

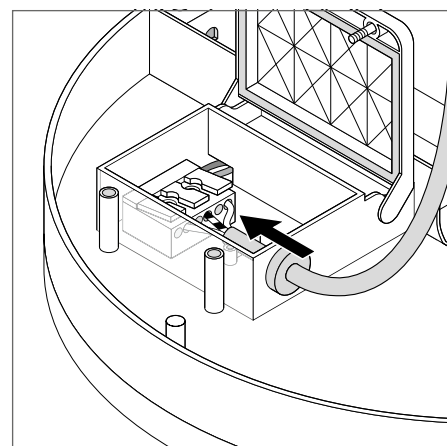
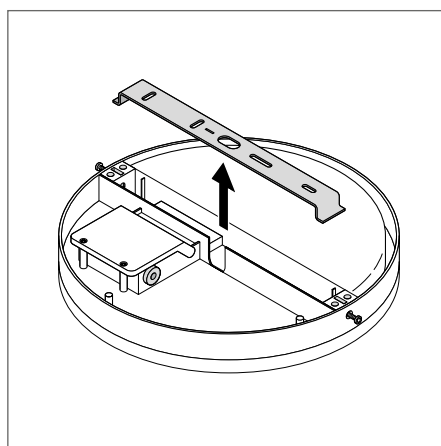
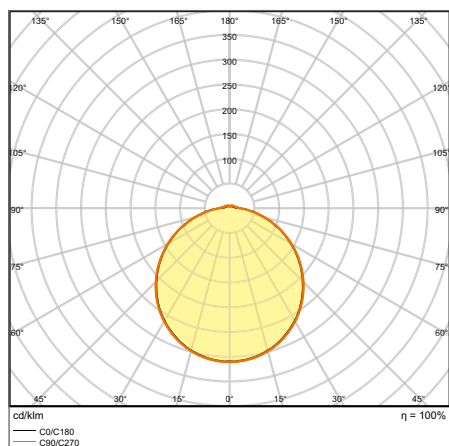
### PRODUCT BENEFITS

- Resistance against vandalism
- Transparent cover protects against dust and moisture
- LED protected for safe installation
- High luminous efficacy
- 5 years guarantee

### AREAS OF APPLICATION

- Corridors
- Stairways
- Bathrooms
- Foyers
- Public areas

### FURTHER PRODUCT DETAILS



SF COMPACT IK10 300 24 W 4000 K  
IP65 WT

## SURFACE COMPACT IK10

Wall and ceiling luminaire with high impact resistance



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>	°	IK	L x W x H [mm] Ø x H [mm]
SF COMPACT IK10 300 24 W 3000 K IP65 WT	4058075062207	2 x 18 W CFLP	24	1800	75	3000	50000	120	IK10	300 x 61
SF COMPACT IK10 300 24 W 4000 K IP65 WT	4058075062221	2 x 18 W CFLP	24	1920	80	4000	50000	120	IK10	300 x 61

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)

## SURFACE CIRCULAR

Classic shaped wall and ceiling luminaires



### PRODUCT FEATURES

- Luminaire versions available with and without high-frequency sensor, DALI-2 technology or selectable CCT
- Type of protection: IP44 (ceiling mounting), IP20 (wall mounting)
- Metal housing, PMMA cover
- Ambient temperature in operation: -20...+40 °C
- Indoor use only, not suitable for outdoor use

### PRODUCT BENEFITS

- Versions with sensor: easy adjustment of the sensor range, daylight detection and illumination time
- Energy savings of up to 55 % compared to luminaires that use CFL
- Easy and quick installation
- Very homogenous light

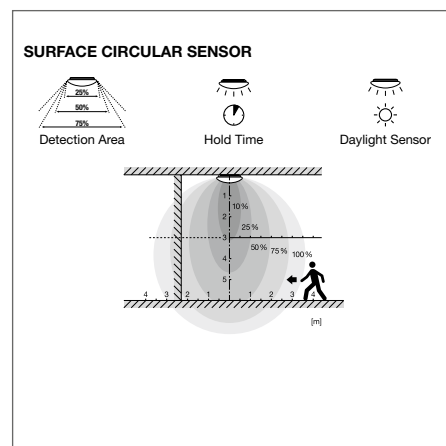
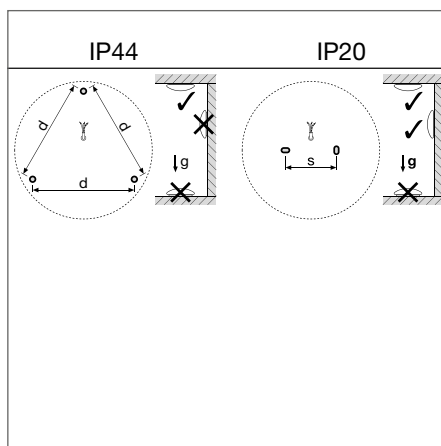
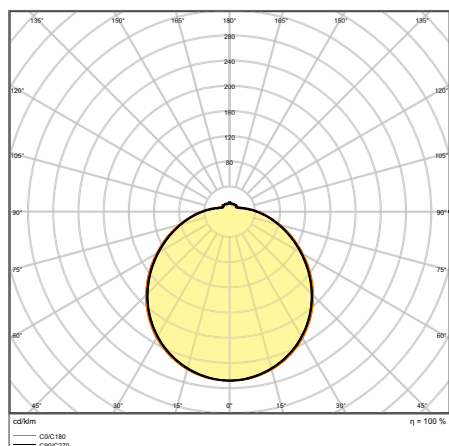
### AREAS OF APPLICATION

- Corridors
- Stairways
- Bathrooms
- Foyers

### EQUIPMENT / ACCESSORIES

- Replaceable cover optionally available

### FURTHER PRODUCT DETAILS



SF CIRCULAR 400 S 24 W 3000 K IP44 WT

## SURFACE CIRCULAR

Wall and ceiling luminaire with IP44



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
SF CIRC 250 V 13 W 830 IP44	4058075617865	18W CFLP	13	920	70	3000	30000	120	250 x 91
SF CIRC 250 V 13 W 840 IP44	4058075617889	18W CFLP	13	960	75	4000	30000	120	250 x 91
SF CIRC 350 V 18 W 830 IP44	4058075617940	24W CFLP	18	1440	80	3000	30000	120	350 x 115
SF CIRC 350 V 18 W 840 IP44	4058075617964	24W CFLP	18	1440	80	4000	30000	120	350 x 115
SF CIRC 400 V 24 W 830 IP44	4058075618022	2 x 18W CFLP	24	1920	80	3000	30000	120	400 x 120
SF CIRC 400 V 24 W 840 IP44T	4058075618046	2 x 18W CFLP	24	1920	80	4000	30000	120	400 x 120

## SURFACE CIRCULAR 500 PS

Wall and ceiling luminaire with IP44 and power select (PS)



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
SF CIRC 500 V 42W 830 IP44 PS	4099854042119	2 x 32W CFLP	42/30/19	3500/2500/1500	83/78	3000	50000	120	500 x 105
SF CIRC 500 V 42W 840 IP44 PS	4099854042133	2 x 32W CFLP	42/30/19	3500/2500/1500	83/78	4000	50000	120	500 x 105

## SURFACE CIRCULAR 500 DALI

Wall and ceiling luminaire with IP44 and DALI-2 technology



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>			L x W x H [mm] Ø x H [mm]
SF CIRC 500 V 42W 830 IP44 DALI	4099854077890	2 x 32W CFLP	42	3500	83	3000	50000	120	DALI-2	500 x 105
SF CIRC 500 V 42W 840 IP44 DALI	4099854077913	2 x 32W CFLP	42	3500	83	4000	50000	120	DALI-2	500 x 105

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>2</sup> t[h]: L70/B50 @ 25°C (T<sub>a</sub>)/t[h]; L80/B10 @ 25°C (T<sub>a</sub>)



## SURFACE CIRCULAR SENSOR

Wall and ceiling luminaire with IP44 and high frequency sensor



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
SF CIRC 250 SEN V 13 W 830 IP44	4058075617902	18W CFLP	13	920	70	3000	30000	120	250 x 91
SF CIRC 250 SEN V 13 W 840 IP44	4058075617926	18W CFLP	13	960	75	4000	30000	120	250 x 91
SF CIRC 350 SEN V 18 W 830 IP44	4058075617988	26W CFLP	18	1440	80	3000	30000	120	350 x 115
SF CIRC 350 SEN V 18 W 840 IP44	4058075618008	26W CFLP	18	1440	80	4000	30000	120	350 x 115
SF CIRC 400 SEN V 24 W 830 IP44	4058075618084	32W CFLP	24	1920	80	3000	30000	120	400 x 120
SF CIRC 400 SEN V 24 W 840 IP44	4058075618121	32W CFLP	24	1920	80	4000	30000	120	400 x 120

## SENSOR PROPERTIES

Product name	Type of sensor	Sensor technology	Detection threshold of daylight sensor	Detection range of motion sensor	Sensor detection angle	Sensor controlled switching time
SURFACE CIRCULAR 250 SENSOR	Motion/Light	Microwave	25 lx	8 m	110°	5 s/1 min/3 min/10 min
SURFACE CIRCULAR 350 SENSOR	Motion/Light	Microwave	25 lx	8 m	110°	5 s/1 min/3 min/10 min
SURFACE CIRCULAR 400 SENSOR	Motion/Light	Microwave	25 lx	8 m	110°	5 s/1 min/3 min/10 min

## SURFACE CIRCULAR 500 SENSOR PS

Wall and ceiling luminaire with IP44, high frequency sensor and power select (PS)



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
SF CIRC 500 SEN V 42W 830 IP44 PS	4099854042157	2 x 32W CFLP	42/30/19	3500/2500/1500	83/78	3000	50000	120	500 x 105
SF CIRC 500 SEN V 42W 840 IP44 PS	4099854042171	2 x 32W CFLP	42/30/19	3500/2500/1500	83/78	4000	50000	120	500 x 105

## SENSOR PROPERTIES

Product name	Type of sensor	Sensor technology	Detection threshold of daylight sensor	Detection range of motion sensor	Sensor detection angle	Sensor controlled switching time
SURFACE CIRCULAR 500 SENSOR PS	Motion/Light	Microwave	2...50 lx	4...7 m	120°	5s...30 min

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>2</sup> t[h]: L70/B50 @ 25°C (T<sub>a</sub>)/t[h]: L80/B10 @ 25°C (T<sub>a</sub>)

## SURFACE CIRCULAR 350 3CCT

Wall and ceiling luminaire with IP44 and selectable CCT



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
SF CIRC 350 V 18W 3CCT IP44	4099854042072	1 x 26W CFLP	18	1440	80	3000/4000/5000	50000	120	350 x 75

## SURFACE CIRCULAR 350 3CCT SENSOR

Wall and ceiling luminaire with IP44, high frequency sensor and selectable CCT



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
SF CIRC 350 SEN V 18W 3CCT IP44	4099854042096	1 x 26W CFLP	18	1440	80	3000/4000/5000	50000	120	350 x 75

## SENSOR PROPERTIES

Product name	Type of sensor	Sensor technology	Detection threshold of daylight sensor	Detection range of motion sensor	Sensor detection angle	Sensor controlled switching time
SURFACE CIRCULAR 350 3CCT SENSOR	Motion/Light	Microwave	2...50 lx	4...7 m	120 °	5 s...30 min

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)

## SURFACE CIRCULAR ACCESSORIES

Replacement components and extensions



### COVER

- Easy replacement of the cover without changing the luminaire
- Opal cover made of PMMA
- Impact resistance: IK03
- Replacement for SURFACE CIRCULAR 350 3CCT covers

### FRAME

- Extension for SURFACE CIRCULAR 500
- Design extension for a more decorative appearance
- Allows direct light as well as accentuated light to the ceiling
- Easy and quick installation

Product name	EAN (GTIN)	L × W × H [mm] ∅ × H [mm]	MATERIAL	COLOR			
SF CIRCULAR 250 COVER	4058075 <b>156722</b>	250 × 80	Polymethylmethacrylate (PMMA) / Polymethyl methacrylate (PMMA)	White	120	1	1
SF CIRCULAR 350 COVER	4058075 <b>156807</b>	350 × 104	Polymethylmethacrylate (PMMA) / Polymethyl methacrylate (PMMA)	White	120	1	1
SF CIRCULAR 350 3CCT COVER	4099854 <b>064357</b>	350 × 65	Polymethylmethacrylate (PMMA)	White	120	1	1
SF CIRCULAR 400 COVER	4058075 <b>156821</b>	400 × 112	Polymethylmethacrylate (PMMA) / Polymethyl methacrylate (PMMA)	White	120	1	1
SF CIRCULAR 500 COVER	4099854 <b>064395</b>	500 × 105	Polymethylmethacrylate (PMMA)	White	120	1	1
<b>NEW</b> SF CIRCULAR 500 FRAME WT	4058075 <b>834187</b>	560 × 105	Steel	White	120	1	2
<b>NEW</b> SF CIRCULAR 500 FRAME BK	4058075 <b>834200</b>	560 × 105	Steel	Black	120	1	3

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.



# SURFACE SQUARE

Square shaped wall and ceiling luminaires



## PRODUCT FEATURES

- Luminaire versions available with and without high frequency sensor and selectable CCT
- Type of protection: IP44 (ceiling mounting), IP20 (wall mounting)
- Metal housing, PMMA cover
- Ambient temperature in operation: -20...+40 °C
- Indoor use only, not suitable for outdoor use

## PRODUCT BENEFITS

- Indoor luminaire with high luminous efficacy
- Energy savings of up to 55 % compared to luminaires that use CFL
- Easy and quick installation
- Very homogenous light

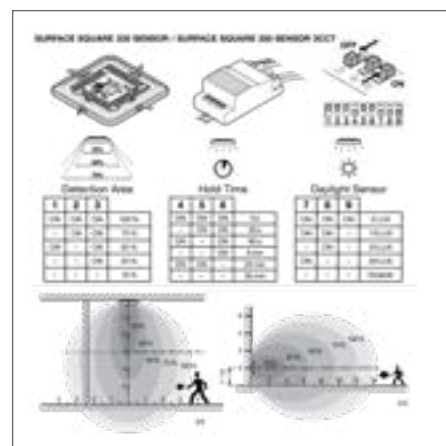
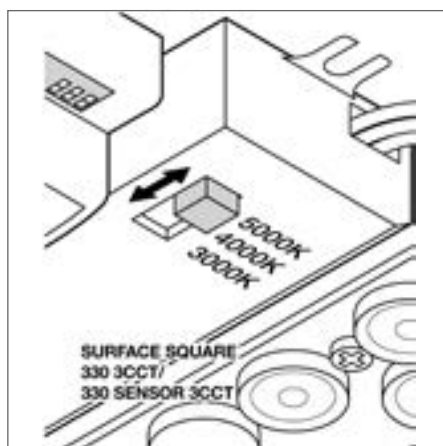
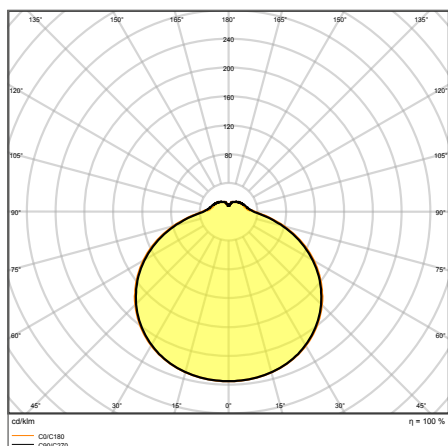
## AREAS OF APPLICATION

- Corridors
- Stairways
- Bathrooms
- Foyers

## EQUIPMENT / ACCESSORIES

- Replacement cover optionally available








## FURTHER PRODUCT DETAILS



SF SQUARE 330 V 24W 830 IP44









## SURFACE SQUARE 330

Wall and ceiling luminaire with IP44

Product name	EAN (GTIN)	Replacement for	     							L x W x H [mm] Ø x H [mm]
			W	lm	lm/W	K	L70 <sup>2</sup>			
SF SQUARE 330 V 24W 830 IP44	4099854041952	1 x 26W CFLP	24	2000	83	3000	35000	120	330 x 330 x 75	
SF SQUARE 330 V 24W 840 IP44	4099854041976	1 x 26W CFLP	24	2000	83	4000	35000	120	330 x 330 x 75	

## SURFACE SQUARE 330 SENSOR

Wall and ceiling luminaire with IP44 and high frequency sensor









Product name	EAN (GTIN)	Replacement for	      							L x W x H [mm] Ø x H [mm]
			W	lm	lm/W	K	L70 <sup>2</sup>			
SF SQUARE 330 SEN V 24W 830 IP44	4099854041990	1 x 26W CFLP	24	2000	83	3000	35000	120	330 x 330 x 75	
SF SQUARE 330 SEN V 24W 840 IP44	4099854042010	1 x 26W CFLP	24	2000	83	4000	35000	120	330 x 330 x 75	

## SENSOR PROPERTIES

Product name	Type of sensor	Sensor technology	Detection threshold of daylight sensor	Detection range of motion sensor	Sensor detection angle	Sensor controlled switching time
SF SQUARE 330 SEN V 24W 830 IP44	Motion/Light	Microwave	2...50 lx	4...7 m	120 °	5 s...30 min
SF SQUARE 330 SEN V 24W 840 IP44	Motion/Light	Microwave	2...50 lx	4...7 m	120 °	5 s...30 min

## SURFACE SQUARE 330 3CCT

Wall and ceiling luminaire with IP44 and selectable CCT

Product name	EAN (GTIN)	Replacement for	      							L x W x H [mm] Ø x H [mm]
			W	lm	lm/W	K	L70 <sup>2</sup>			
SF SQUARE 330 V 24W 3CCT IP44	4099854042034	1 x 26W CFLP	24	2000	83	3000/4000/5000	50000	120	330 x 330 x 75	

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)



## SURFACE SQUARE 330 3CCT SENSOR

Wall and ceiling luminaire with IP44, high frequency sensor and selectable CCT



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
SF SQUARE 330 SEN V 24W 3CCT IP44	4099854042058	1 x 26W CFLP	24	2000	83	3000/4000/5000	50000	120	330 x 330 x 75

## SENSOR PROPERTIES

Product name	Type of sensor	Sensor technology	Detection threshold of daylight sensor	Detection range of motion sensor	Sensor detection angle	Sensor controlled switching time
SF SQUARE 330 SEN V 24W 3CCT IP44	Motion/Light	Microwave	2...50 lx	4...7 m	120 °	5 s...30 min

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)



## SURFACE SQUARE COVER

Replacement cover for Surface Square



### PRODUCT FEATURES

- Easy replacement of the cover without changing the luminaire
- Opal cover made of PMMA
- Impact resistance: IK03

### AREAS OF APPLICATION

- Replacement for SURFACE SQUARE 330 covers



Product name	EAN (GTIN)	L × W × H [mm] ∅ × H [mm]	MATERIAL	COLOR	∠	⊞
SF SQUARE 330 COVER	4099854 <b>064432</b>	330 × 330 × 600	Polymethylmethacrylate (PMMA)	White	120	1

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

# SURFACE BULKHEAD

Robust wall and ceiling luminaire for indoor or outdoor use



1\*



2\*



3\*

## PRODUCT FEATURES

- Housing and cover made of UV-resistant PC
- Available in 2 diameters, 2 housing colors and 2 light colors
- Always order cover separately
- Versions: ring or eyelid cover
- Impact resistance: IK10
- Type of protection: IP65

## PRODUCT BENEFITS

- Extremely versatile through switchable, HF-sensor and 3h single-battery versions
- Suitable for use in public areas thanks to high IK rating
- Easy installation on wall and ceiling with through-wiring option
- High luminous efficacy in normal operation
- All versions with 5-year guarantee, except emergency version: 3 years (built-in 3h battery)

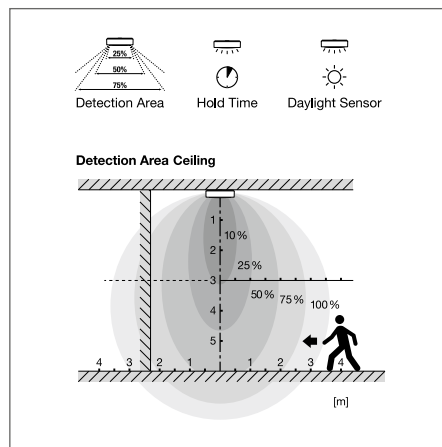
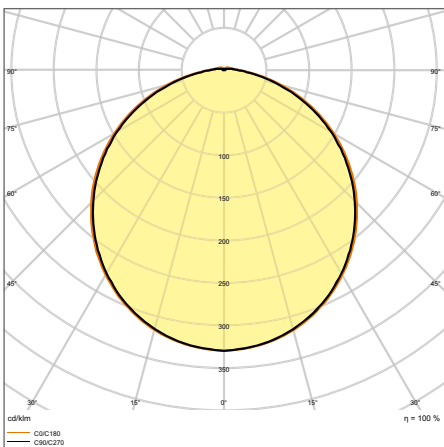
## AREAS OF APPLICATION













- Direct replacement for luminaires with fluorescent lamps
- Corridors, stairways, entrance areas
- Passages, underpasses
- Public areas

## EQUIPMENT / ACCESSORIES

- Additional cover rings in different designs available as an optional accessory
- Mounting screws and dowels included

## FURTHER PRODUCT DETAILS



Luminaire Status	Control LED
Normal	Green 
Emergency	OFF 
Testing	Green:    (1s, 1s, 1s ...)
Battery connection fault	Red:    (1s, 1s, 1s ...)
Battery capacity fault	Red 
Luminaire fault	Red:    (4s, 4s, 4s ...)

SF BLKH 250 10W/3000K WT IP65

\*All pictures show the luminaire with the accessory: SF BLKH RING. The accessory must be ordered separately. The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

## SURFACE BULKHEAD ON/OFF

Robust wall and ceiling luminaire with IP65 protection



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>	°	IK	L × W × H [mm] Ø × H [mm]	Light No.
SF BLKH 250 10W/3000K WT IP65	4058075647145	1 × 16W CFL	10	800	80	3000	50000	120	IK10	250 × 70	3
SF BLKH 250 10W/4000K WT IP65	4058075647169	1 × 16W CFL	10	800	80	4000	50000	120	IK10	250 × 70	3
SF BLKH 250 10W/3000K BK IP65	4058075647183	1 × 16W CFL	10	800	80	3000	50000	120	IK10	250 × 70	1
SF BLKH 250 10W/4000K BK IP65	4058075647206	1 × 16W CFL	10	800	80	4000	50000	120	IK10	250 × 70	1
SF BLKH 300 15W/3000K WT IP65	4058075647466	1 × 28W CFL	15	1400	93	3000	50000	120	IK10	300 × 70	3
SF BLKH 300 15W/4000K WT IP65	4058075647480	1 × 28W CFL	15	1400	93	4000	50000	120	IK10	300 × 70	3
SF BLKH 300 15W/3000K BK IP65	4058075647503	1 × 28W CFL	15	1400	93	3000	50000	120	IK10	300 × 70	1
SF BLKH 300 15W/4000K BK IP65	4058075647527	1 × 28W CFL	15	1400	93	4000	50000	120	IK10	300 × 70	1

## SURFACE BULKHEAD SENSOR

Robust wall and ceiling luminaire with IP65 protection and high-frequency sensor



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>	°	IK	L × W × H [mm] Ø × H [mm]	Light No.
SF BLKH 250 S 10W/3000K WT IP65	4058075647220	1 × 16W CFL	10	800	80	3000	50000	120	IK10	250 × 70	3
SF BLKH 250 S 10W/4000K WT IP65	4058075647244	1 × 16W CFL	10	800	80	4000	50000	120	IK10	250 × 70	3
SF BLKH 250 S 10W/3000K BK IP65	4058075647268	1 × 16W CFL	10	800	80	3000	50000	120	IK10	250 × 70	1
SF BLKH 250 S 10W/4000K BK IP65	4058075647282	1 × 16W CFL	10	800	80	4000	50000	120	IK10	250 × 70	1
SF BLKH 300 S 15W/3000K WT IP65	4058075647541	1 × 28W CFL	15	1400	93	3000	50000	120	IK10	300 × 70	3
SF BLKH 300 S 15W/4000K WT IP65	4058075647565	1 × 28W CFL	15	1400	93	4000	50000	120	IK10	300 × 70	3
SF BLKH 300 S 15W/3000K BK IP65	4058075647589	1 × 28W CFL	15	1400	93	3000	50000	120	IK10	300 × 70	1
SF BLKH 300 S 15W/4000K BK IP65	4058075647602	1 × 28W CFL	15	1400	93	4000	50000	120	IK10	300 × 70	1

## SURFACE BULKHEAD EMERGENCY

Robust wall and ceiling luminaire with IP65 protection and integrated emergency lighting function



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>	°	IK	L × W × H [mm] Ø × H [mm]	Light No.
SF BLKH 250 EM 10 W 3000 K WT IP65	4058075647305	1 × 16W CFL	10	800	80	3000	50000	120	IK10	250 × 70	3
SF BLKH 250 EM 10 W 4000 K WT IP65	4058075647329	1 × 16W CFL	10	800	80	4000	50000	120	IK10	250 × 70	3
SF BLKH 250 EM 10 W 3000 K BK IP65	4058075647343	1 × 16W CFL	10	800	80	3000	50000	120	IK10	250 × 70	1
SF BLKH 250 EM 10 W 4000 K BK IP65	4058075647367	1 × 16W CFL	10	800	80	4000	50000	120	IK10	250 × 70	1
SF BLKH 300 EM 15 W 3000 K WT IP65	4058075647626	1 × 28W CFL	15	1400	93	3000	50000	120	IK10	300 × 70	3
SF BLKH 300 EM 15 W 4000 K WT IP65	4058075647640	1 × 28W CFL	15	1400	93	4000	50000	120	IK10	300 × 70	3
SF BLKH 300 EM 15 W 3000 K BK IP65	4058075647664	1 × 28W CFL	15	1400	93	3000	50000	120	IK10	300 × 70	1
SF BLKH 300 EM 15 W 4000 K BK IP65	4058075647688	1 × 28W CFL	15	1400	93	4000	50000	120	IK10	300 × 70	1

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)

## SURFACE BULKHEAD SENSOR EMERGENCY

Robust wall and ceiling luminaire with IP65 protection, high-frequency sensor and integrated emergency lighting function



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>	IK	L × W × H [mm] ∅ × H [mm]	Light No.	
SF BLKH 250 S EM 10W/3000K WT IP65	4058075647381	1 × 16W CFL	12	800	80	3000	50000	120	IK10	258 × 70	3
SF BLKH 250 S EM 10W/4000K WT IP65	4058075647404	1 × 16W CFL	12	800	80	4000	50000	120	IK10	258 × 70	3
SF BLKH 250 S EM 10W/3000K BK IP65	4058075647428	1 × 16W CFL	12	800	80	3000	50000	120	IK10	258 × 70	1
SF BLKH 250 S EM 10W/4000K BK IP65	4058075647442	1 × 16W CFL	12	800	80	4000	50000	120	IK10	258 × 70	1
SF BLKH 300 S EM 15W/3000K WT IP65	4058075647701	1 × 28W CFL	17	1400	93	3000	50000	120	IK10	308 × 70	3
SF BLKH 300 S EM 15W/4000K WT IP65	4058075647725	1 × 28W CFL	17	1400	93	4000	50000	120	IK10	308 × 70	3
SF BLKH 300 S EM 15W/3000K BK IP65	4058075647749	1 × 28W CFL	17	1400	93	3000	50000	120	IK10	308 × 70	1
SF BLKH 300 S EM 15W/4000K BK IP65	4058075647763	1 × 28W CFL	17	1400	93	4000	50000	120	IK10	308 × 70	1

## SENSOR PROPERTIES

Product name	Type of sensor	Sensor technology	Detection threshold of daylight sensor	Detection range of motion sensor	Sensor detection angle	Sensor controlled switching time
SURFACE BULKHEAD 250 SENSOR	Motion/Light	Microwave	25 lx	8 m	110°	5 s/30 s/90 s/3 min/20 min/30 min
SURFACE BULKHEAD 300 SENSOR	Motion/Light	Microwave	25 lx	8 m	110°	5 s/30 s/90 s/3 min/20 min/30 min
SURFACE BULKHEAD 250 SENSOR EMERGENCY	Motion/Light	Microwave	25 lx	8 m	110°	5 s/30 s/90 s/3 min/20 min/30 min
SURFACE BULKHEAD 300 SENSOR EMERGENCY	Motion/Light	Microwave	25 lx	8 m	110°	5 s/30 s/90 s/3 min/20 min/30 min

## EMERGENCY LIGHTING PROPERTIES

Product name	Battery life in emergency operation mode	Type of emergency operation test	Type of emergency light operation	Luminous flux in emergency operation mode	Type of Battery
SF BLKH 250 EM 10 W 3000 K WT IP65	3 h	Automatic	Maintained/Non-maintained	300 lm	LiFePO4
SF BLKH 250 EM 10 W 4000 K WT IP65	3 h	Automatic	Maintained/Non-maintained	300 lm	LiFePO4
SF BLKH 250 EM 10 W 3000 K BK IP65	3 h	Automatic	Maintained/Non-maintained	300 lm	LiFePO4
SF BLKH 250 EM 10 W 4000 K BK IP65	3 h	Automatic	Maintained/Non-maintained	300 lm	LiFePO4
SF BLKH 300 EM 15 W 3000 K WT IP65	3 h	Automatic	Maintained/Non-maintained	300 lm	LiFePO4
SF BLKH 300 EM 15 W 4000 K WT IP65	3 h	Automatic	Maintained/Non-maintained	300 lm	LiFePO4
SF BLKH 300 EM 15 W 3000 K BK IP65	3 h	Automatic	Maintained/Non-maintained	300 lm	LiFePO4
SF BLKH 300 EM 15 W 4000 K BK IP65	3 h	Automatic	Maintained/Non-maintained	300 lm	LiFePO4
SF BLKH 250 S EM 10W/3000K WT IP65	3 h	Automatic	Maintained/Non-maintained	300 lm	LiFePO4
SF BLKH 250 S EM 10W/4000K WT IP65	3 h	Automatic	Maintained/Non-maintained	300 lm	LiFePO4
SF BLKH 250 S EM 10W/3000K BK IP65	3 h	Automatic	Maintained/Non-maintained	300 lm	LiFePO4
SF BLKH 250 S EM 10W/4000K BK IP65	3 h	Automatic	Maintained/Non-maintained	300 lm	LiFePO4
SF BLKH 300 S EM 15W/3000K WT IP65	3 h	Automatic	Maintained/Non-maintained	300 lm	LiFePO4
SF BLKH 300 S EM 15W/4000K WT IP65	3 h	Automatic	Maintained/Non-maintained	300 lm	LiFePO4
SF BLKH 300 S EM 15W/3000K BK IP65	3 h	Automatic	Maintained/Non-maintained	300 lm	LiFePO4
SF BLKH 300 S EM 15W/4000K BK IP65	3 h	Automatic	Maintained/Non-maintained	300 lm	LiFePO4

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>2</sup> t[h]: L70/B50 @ 25°C (T<sub>a</sub>)/t[h]: L80/B10 @ 25°C (T<sub>a</sub>)

## SURFACE BULKHEAD ACCESSORIES

Recommended equipment for Surface Bulkhead



### PRODUCT FEATURES

- Wide range of applications thanks to a large variety of versions
- PC cover in white or black
- As a ring or with eyelid cover
- Anti-theft screw (Torx) included

### EQUIPMENT / ACCESSORIES

- Anti-theft screw included

### SURFACE BULKHEAD RING

Attachable cover ring (IK10)



Product name	EAN (GTIN)	L x W x H [mm] Ø x H [mm]	MATERIAL	COLOR		No.
SF BLKH RING 250 WT	4058075 <b>399334</b>	258 x 57	Polycarbonate (PC)	White	1	1
SF BLKH RING 250 BK	4058075 <b>399358</b>	258 x 57	Polycarbonate (PC)	Black	1	2
SF BLKH RING 300 WT	4058075 <b>399372</b>	308 x 57	Polycarbonate (PC)	White	1	1
SF BLKH RING 300 BK	4058075 <b>399396</b>	308 x 57	Polycarbonate (PC)	Black	1	2

### SURFACE BULKHEAD EYELID

Attachable half-visor ring (IK10)



Product name	EAN (GTIN)	L x W x H [mm] Ø x H [mm]	MATERIAL	COLOR		No.
SF BLKH EYELID 250 WT	4058075 <b>375482</b>	258 x 64	Polycarbonate (PC) / Polycarbonate (PC)	White	1	3
SF BLKH EYELID 250 BK	4058075 <b>375505</b>	258 x 64	Polycarbonate (PC) / Polycarbonate (PC)	Black	1	4
SF BLKH EYELID 300 WT	4058075 <b>375529</b>	308 x 65	Polycarbonate (PC) / Polycarbonate (PC)	White	1	3
SF BLKH EYELID 300 BK	4058075 <b>375543</b>	308 x 65	Polycarbonate (PC) / Polycarbonate (PC)	Black	1	4

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions




# PANEL LUMINAIRES

SUITABLE FOR EVERY NEED: OUR FUNCTIONAL PANELS


**SUPERIOR CLASS**




**1. PANEL TUNABLE WHITE/BIOLUX**   
Page 92

Individual tunable white color selection combined with high lighting quality


**PERFORMANCE CLASS**




**2. PANEL INDIVILED**   
Page 96

The panel luminaire for perfectionists: perfect lighting and SCALE design


**PERFORMANCE CLASS**




**3. PANEL PROTECT**   
Page 98

The panel for heavy duty: IP54 protection and other resistance features


**PERFORMANCE CLASS**




**4. PANEL COMFORT**   
Page 102


Highly efficient and versatile panel for everyday application


**VALUE CLASS**



**5. PANEL COMPACT**   
Page 108

The panel luminaire for everyday applications and convenient installation



**6. PANEL ACCESSORIES**   
Page 112

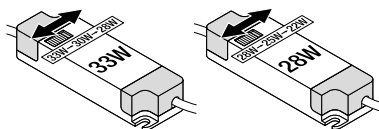
Versatile mounting options

## SETTING THE LIGHT INTENSITY

The new ON/OFF versions of the PANEL COMFORT CRI 80 feature a Power Select (PS) function. Via a conveniently accessible switch on the top of the driver, the luminous intensity (lm) can be individually adjusted in three steps to the ceiling height for optimum illumination. Any drop in light over time can also be compensated for via the PS switch.

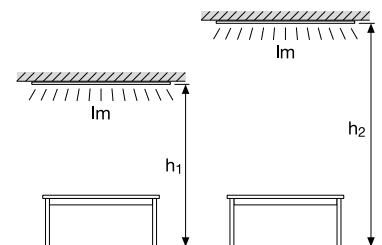


Power Select switch for setting the light intensity



PS-Power Select	PANEL CMFT 33W			PANEL CMFT 28W		
W AC	33	30	28	28	25	22
lm	4320	3900	3640	3640	3250	2900

Light intensity according to ceiling height





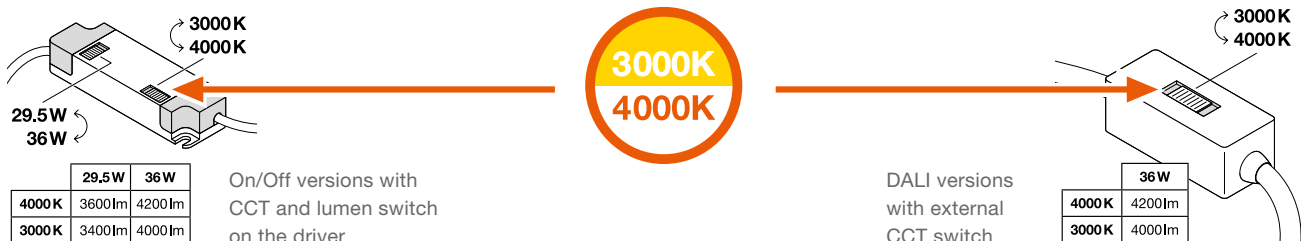
**THE MOST IMPORTANT SPECIFICATIONS AT A GLANCE**

Product-family	Specifications	Guarantee <sup>1</sup>	Included installation accessories	Available versions	Grid size
1 PANEL BIOLUX HCL TW	Light color range: 2700–6500K Up to 115 lm/W Up to 4600 lm CRI 90, SDCM 3, UGR < 19 Up to 70000h (L70/B50 @ 25 °C)	5 years	External driver with twist-lock connector. Pre-mounted cable clamp for through-wiring Security kit (only DALI versions) PL625 CSW with pre-mounted Wago connector	IoT-ready DALI and Zigbee versions	600 × 600 625 × 625 1200 × 300
2 PANEL INDIVILED	Up to 120 lm/W 60000h (L80/B10 @ 25 °C) SDCM 3, UGR < 16 IP40/IK08 TP(A) fire rated (for UK)	5 years	External driver with twist-lock connector 4 × security & suspension brackets 1 × Security wire. For DALI types: 5-pole connector box for toolless installation and through-wiring	ON/OFF (non-dimmable) IoT-ready DALI/ Zigbee versions EM	600 × 600 625 × 625
3 PANEL PROTECT	140 lm/W 70000h (L80/B10 @ 25 °C) 50000h (L90/B10 @ 25 °C) 5040 lm and Power Select (PS-4 steps) SDCM 3, UGR < 22/UGR < 19 IP54 frontside/IP20 backside Central battery ready (EL) Overall height only 34 mm (incl. driver)	5 years	External driver with twist-lock connector 4 × security & suspension brackets 1 × Security wire (600 versions) 5-pole connector box for toolless installation and through-wiring Special H50 Surface Mount Frames available separately (lower profile)	ON/OFF (non-dimmable) IoT-ready DALI All versions central battery system ready (EL) 3000/4000K versions Suitable with EM conversion box Implementation of 3rd party optical sensor possible via CCE request	600 × 600 625 × 625
4 PANEL COMFORT	Up to 130 lm/W Up to 70000h (L80/B10 @ 25 °C) Power Select on driver (PS-3 Step) CRI 90 additionally with CCT select (CPS) SDCM 3 UGR < 22/UGR < 19 versions	5 years	External driver with twist-lock connector Switch on top of the driver to select Power (and CCT for CRI 90) 4 × security & suspension brackets Security wire with 600/1200 versions Optimized suspension features for 1200 version 5-pole connector box for toolless installation and through-wiring	ON/OFF with Power Select (PS)/CRI 90 + CCT select (CPS)/non dimmable IoT-ready DALI/Zigbee versions DALI versions EM ready for central battery systems (EL) CRI 90 versions available 3000/4000/6500K versions Suitable with EM conversion box	600 × 600 625 × 625 1200 × 300
5 PANEL COMPACT	110 lm/W 50000h (L80/B50 @ 25 °C) SDCM 5 UGR < 22/UGR < 19 Selected CRI 90 versions	5 years	External driver with twist-lock connector 2 × security brackets Security wire included for 600/1200 versions 3-pole through-wiring on ON/OFF drivers (from 9/23 onwards)	ON/OFF (non-dimmable) DALI (dimmable) DALI versions EM ready for central battery systems (EL) CRI 90 versions available 3000/4000/6500K versions Suitable with EM conversion box	600 × 600 625 × 625 1200 × 300 1200 × 600

<sup>1</sup> For precise terms and conditions go to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

**CLEVER 4-IN-1 SOLUTION**

With the ON/OFF versions of PANEL COMFORT CRI 90, the light color can be switched on the driver from 3000 to 4000K and the luminous flux from 3600 to 4200 lm, thus allowing four possible combinations. The LMS-controlled DALI versions have an external CCT switch for the light color.



# BIOLUX HCL PANEL DALI GEN 2

Recessed panel luminaires, Tunable White, 115 lm/W, tool-free installation, DALI-2 IoT technology



## PRODUCT FEATURES

- IoT-ready luminaire with DALI-2 technology
- Adjustable color temperature via Tunable White: 2 700...6 500 K
- Very high color rendering index Ra: > 90
- High quality extruded aluminum frame
- Version available with pre-mounted Wago-connector (Item No: WAGO 771-9985/206-301) for Panel 625 CSW
- Suitable for central battery emergency installations acc. to EN 60598-2-22

## PRODUCT BENEFITS

- Suitable luminaire for VIVARES DALI, VIVARES DALI HCL and other DALI-2 light controls
- Enables an individual Tunable White lighting solution in combination with compatible DALI-2 lighting controls
- Supports LEDVANCE Human Centric Lighting in conjunction with DALI PRO 2 IOT LDVV Controller (4052899627079)
- Compatible with VIVARES CLOUD SERVICE for energy monitoring
- Through-wiring possible with included cable clamp

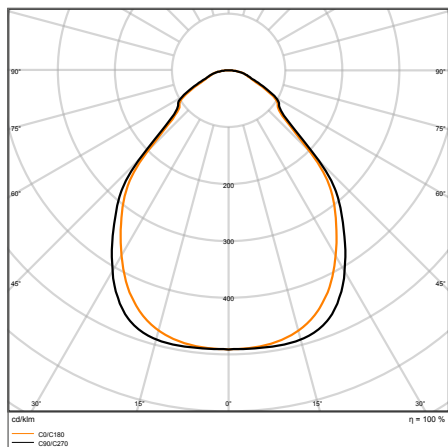
## AREAS OF APPLICATION

- Broad Tunable White CRI90 light color spectrum for high quality Human Centric Lighting applications
- Offices, conference rooms
- Reception areas, foyers, corridors, elevators

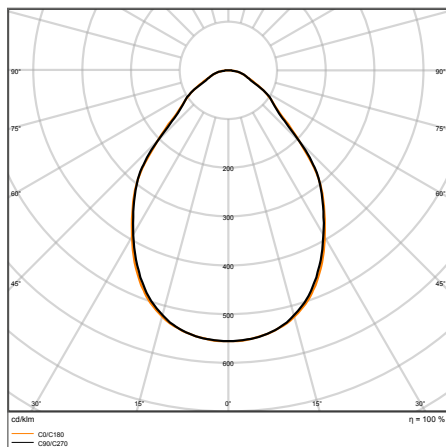
## EQUIPMENT / ACCESSORIES

- Accessories for several mounting options
- External control gear included
- Security kit (security wire and brackets) included
- Cable clamp for through-wiring preinstalled

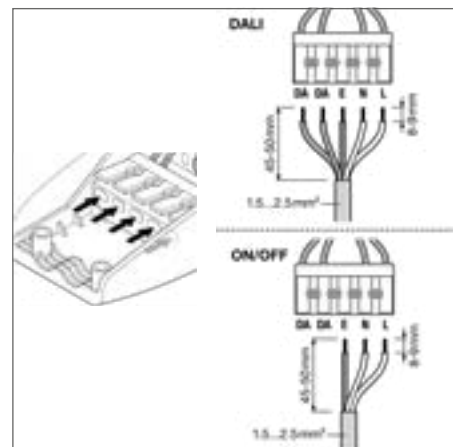
## FURTHER PRODUCT DETAILS



BIOLUX HCL PL 600 S 40W TW DALI



BIOLUX HCL PL 1200 S 40W TW DALI



## BIOLUX HCL PANEL DALI GEN 2

Recessed panel luminaires, Tunable White, 115 lm/W, tool-free installation, DALI-2 IoT technology



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>3</sup>	°	⌒	L × W × H [mm] ∅ × H [mm]	?
BIOLUX HCL PL 600 S 40W TW DALI	4099854 <b>140068</b>	4 × 18 W/4 × 14 W FL	40	4600	115	2700...6500	40000	90	DALI-2/IoT	595 × 595 × 11	1
BIOLUX HCL PL 625 S 40W TW DALI	4099854 <b>140167</b>	4 × 18 W/4 × 14 W FL	40	4600	115	2700...6500	40000	90	DALI-2/IoT	595 × 595 × 11	1
BIOLUX HCL PL 625 S 40W TW CSW DALI	4099854 <b>140273</b>	4 × 18 W/4 × 14 W FL	40	4600	115	2700...6500	40000	90	DALI-2/IoT	620 × 620 × 11	1
BIOLUX HCL PL 1200 S 40W TW DALI	4099854 <b>140228</b>	2 × 36 W/3 × 30 W FL	40	4100	102	2700...6500	40000	90	DALI-2/IoT	1195 × 295 × 11	2

<sup>1</sup> All luminaires support DALI-2 Energy Data (DALI part 252) and DALI-2 Diagnostic Data (DALI part 253).

<sup>2</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>3</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)

## BIOLUX HCL PANEL ZIGBEE GEN 2

Recessed panel luminaires, Tunable White, 110 lm/W, tool-free installation, Zigbee 3.0



### PRODUCT FEATURES

- Adjustable color temperature via Tunable White: 2 700...6 500 K
- Very high color rendering index Ra: >90
- Initial color consistency: 3 SDCM
- High luminous efficacy: up to 110 lm/W

### PRODUCT BENEFITS

- Suitable luminaire for BIOLUX, VIVARES and other Zigbee 3.0 light management systems for simple integration into partner systems
- Compatible with VIVARES cloud services
- Through-wiring possible with included connector box
- Good glare reduction ( $UGR \leq 19$ )
- 5 years BIOLUX HCL system guarantee when operated as part of a BIOLUX HCL system

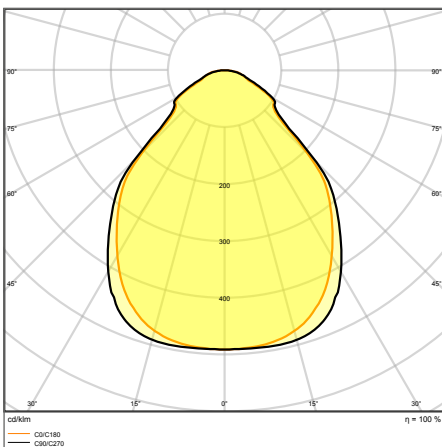
### AREAS OF APPLICATION

- BIOLUX HCL system: Lighting solution for single office areas with up to 48 BIOLUX HCL products
- VIVARES Zigbee system: Open-plan office solution for up to 200 BIOLUX HCL products
- Hotel and office rooms with little daylight
- Nursery and elderly homes

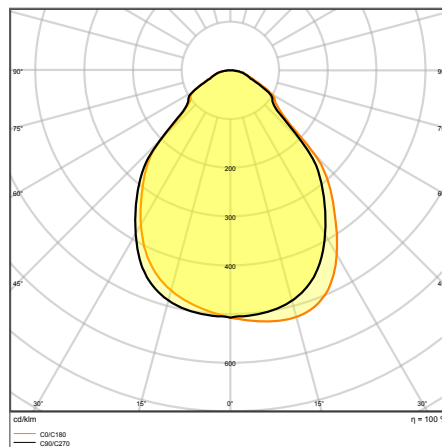
### EQUIPMENT / ACCESSORIES

- External control gear included
- Accessories for several mounting options available

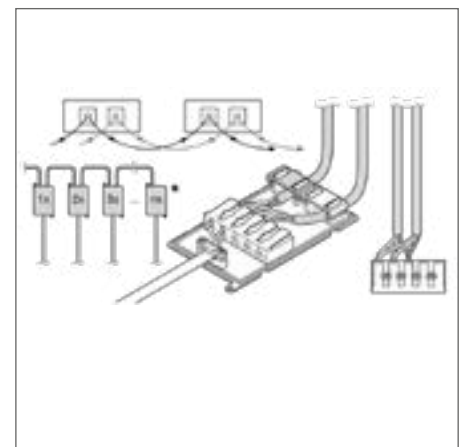
### FURTHER PRODUCT DETAILS



BIOLUX HCL PL 600 S 40W TW ZB



BIOLUX HCL PL 1200 S 37W TW ZB



## BIOLUX HCL PANEL ZIGBEE GEN 2

Recessed panel luminaires, Tunable White, 110 lm/W, tool-free installation, Zigbee 3.0



Product name	EAN (GTIN)	Replacement for	W	lm	lm/w	K	L80 <sup>3</sup>	°	⤵	L × W × H [mm] ∅ × H [mm]	ⓘ No.
BIOLUX HCL PL 600 S 40W TW ZB	4058075724549	4 × 18W/4 × 14W FL	40	4400	110	2700...6500	40000	90	Zigbee 3.0	595 × 595 × 11	1
BIOLUX HCL PL 625 S 40W TW ZB	4058075724563	4 × 18W/4 × 14W FL	40	4400	110	2700...6500	40000	90	Zigbee 3.0	620 × 620 × 11	1
BIOLUX HCL PL 1200 S 37W TW ZB	4058075724587	3 × 18W/3 × 14W FL	37	4100	110	2700...6500	40000	90	Zigbee 3.0	1195 × 295 × 11	2

<sup>1</sup> All luminaires support DALI-2 Energy Data (DALI part 252) and DALI-2 Diagnostic Data (DALI part 253).

<sup>2</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>3</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)



## PANEL INDIVILED

Recessed luminaires with IndiviLED optics



### PRODUCT FEATURES

- Metal housing, lenses and reflectors made of polycarbonate (PC)
- Each LED with individual lens and reflector for  $UGR \leq 16$  and homogenous light distribution
- Lifetime (L80/B10): up to 60 000 h (at 25 °C)
- Initial color consistency: 3 SDCM
- Accessories available for various recessed and surface-mounted options

### PRODUCT BENEFITS

- Homogenous light distribution and reduced glare thanks to the IndiviLED optics
- Low-flicker light
- Robust structure with IK08
- Versions available with on/off, IoT-ready DALI-2.0 or Zigbee 3.0 or emergency lighting function acc. to IEC 60598-2-22
- 5 years guarantee

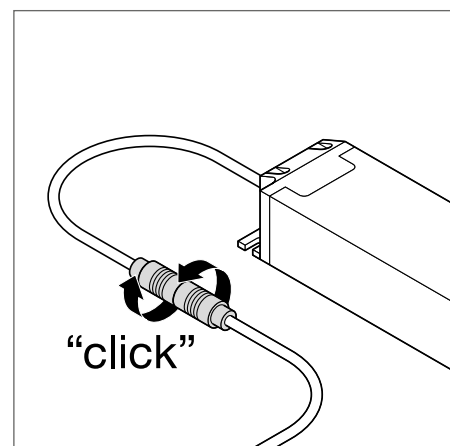
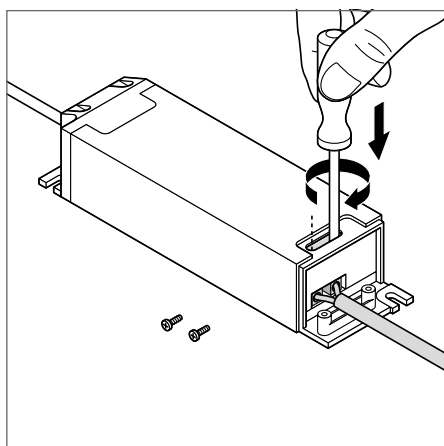
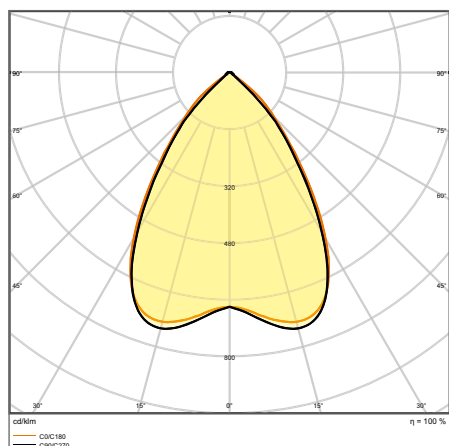
### AREAS OF APPLICATION

- Direct replacement for luminaires with fluorescent lamps
- Corridors
- Offices
- Conference rooms
- Reception areas

### EQUIPMENT/ACCESSORIES

- Accessories for several mounting options available as an optional accessory
- Security rope for luminaire included
- External control gear included

### FURTHER PRODUCT DETAILS



PANEL INDV EM 600 33 W 4000 K

## PANEL INDIVILED

Square, recessed luminaires with IndiviLED optics



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>4</sup>	°	⤵	L × W × H [mm] Ø × H [mm]
PANEL INDV 600 33 W 3000 K	4058075201132	4 × 18W/4 × 14W FL	33	3800	115	3000	60000	70	—	595 × 595 × 13
PANEL INDV 600 33 W 4000 K	4058075201156	4 × 18W/4 × 14W FL	33	4000	120	4000	60000	70	—	595 × 595 × 13
PANEL INDV 625 33 W 4000 K	4058075201194	4 × 18W/4 × 14W FL	33	4000	120	4000	60000	70	—	620 × 620 × 13
PANEL INDV 600 33 W 3000 K DALI	4058075503885	4 × 18W/4 × 14W FL	33	3800	115	3000	60000	70	DALI-2/loT	595 × 595 × 13
PANEL INDV 600 33 W 4000 K DALI	4058075503861	4 × 18W/4 × 14W FL	33	3800	115	4000	60000	70	DALI-2/loT	595 × 595 × 13
PANEL INDV 625 33 W 4000 K DALI	4058075503922	4 × 18W/4 × 14W FL	33	3800	115	4000	60000	70	DALI-2/loT	620 × 620 × 13
PANEL INDV 600 33 W-4000 K ZBVR	4058075521841	4 × 18W/4 × 14W FL	33	4000	115	4000	60000	70	Zigbee 3.0	595 × 595 × 13
PANEL INDV 625 33W-4000 K ZBVR	4058075521865	4 × 18W/4 × 14W FL	33	4000	115	4000	60000	70	Zigbee 3.0	620 × 620 × 13

## PANEL INDIVILED EMERGENCY

Square recessed luminaire with IndiviLED optics, self-contained emergency luminaire



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>4</sup>	°	L × W × H [mm] Ø × H [mm]
PANEL INDV EM 600 33 W 3000 K	4058075201293	4 × 18W/4 × 14W FL	33	3800	115	3000	60000	70	595 × 595 × 13
PANEL INDV EM 600 33 W 4000 K	4058075201316	4 × 18W/4 × 14W FL	33	4000	120	4000	60000	70	595 × 595 × 13
PANEL INDV EM 625 33 W 4000 K	4058075201354	4 × 18W/4 × 14W FL	33	4000	120	4000	60000	70	620 × 620 × 13

## EMERGENCY LIGHTING PROPERTIES

Product name	Battery life in emergency operation mode	Type of emergency operation test	Type of emergency light operation	Luminous flux in emergency operation mode	Type of Battery
PANEL INDV EM 600 33 W 3000 K	3 h	Automatic	Maintained/Non-maintained	450 lm	LiFePO4
PANEL INDV EM 600 33 W 4000 K	3 h	Automatic	Maintained/Non-maintained	480 lm	LiFePO4
PANEL INDV EM 625 33 W 4000 K	3 h	Automatic	Maintained/Non-maintained	480 lm	LiFePO4

<sup>1</sup> All DALI and Zigbee luminaires support DALI-2 Energy Data (DALI part 252) and DALI-2 Diagnostic Data (DALI part 253).

<sup>2</sup> The ENEC and TÜV certifications apply exclusively to the switchable versions of the luminaire family, DALI versions are exempt.

<sup>3</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>4</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)

## PANEL PROTECT

Square recessed panel luminaires with IP54 protection and additional performance features



### PRODUCT FEATURES

- Type of protection: IP54 (frontside), IP20 (backside)
- Steel housing with notch in the backside for the driver to allow maximum height of 34 mm
- PMMA diffuser
- 5-pole terminal block, cable cross section up to  $5 \times 2.5 \text{ mm}^2$
- Luminaire versions with IoT-ready DALI-2 driver available
- Panel can be customized with optical sensors on individual request

### PRODUCT BENEFITS

- Highly versatile due to selectable power steps (Power Select – PS) on the driver and up to 5040 lm
- Tool-free electrical connection due to push button connector
- Through-wiring possible with included connector box
- Energy savings thanks to high system efficacy: up to 140 lm/W
- High color consistency with SDCM 3
- External driver for extended flexibility and easy installation

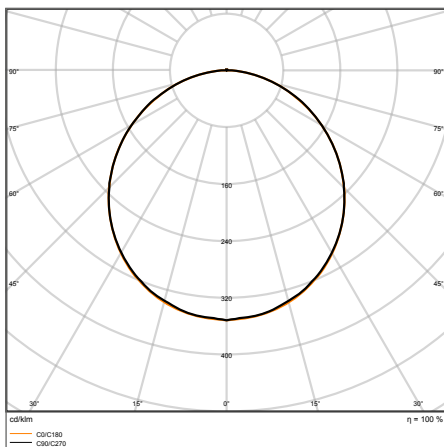
### AREAS OF APPLICATION

- Direct replacement for luminaires with fluorescent lamps
- Hospitals, laboratories, kitchens, canteens, workspaces

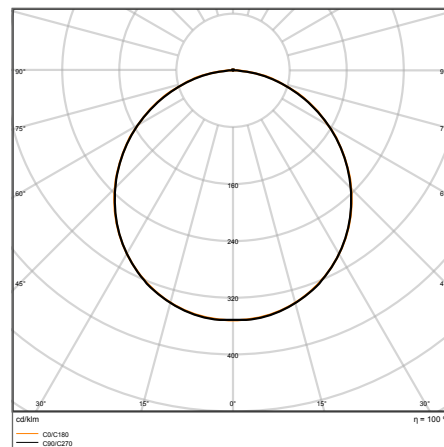
### EQUIPMENT/ACCESSORIES

- Accessories for several mounting options available
- Security brackets preinstalled
- Suitable for use with separate Emergency Conversion Box
- Special mounting frame with an overall height of only 50 mm available separately

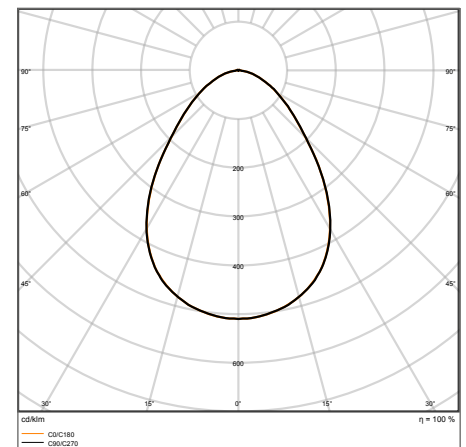
### FURTHER PRODUCT DETAILS



PL PROT 600 P 36W 830 PS

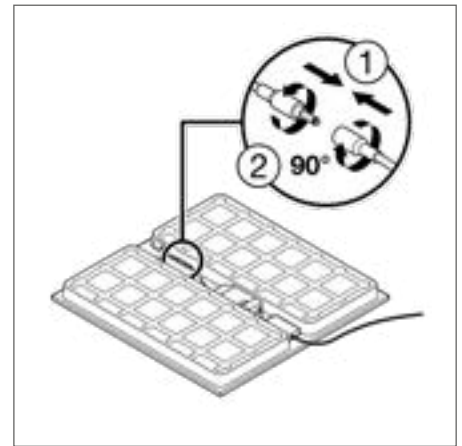
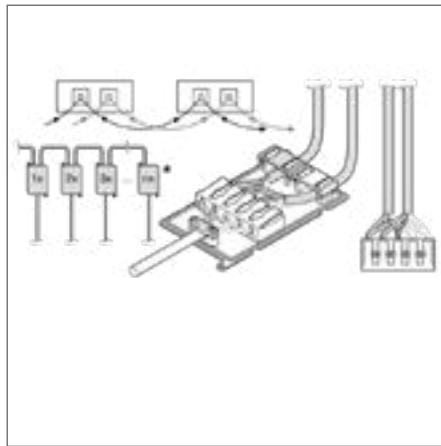
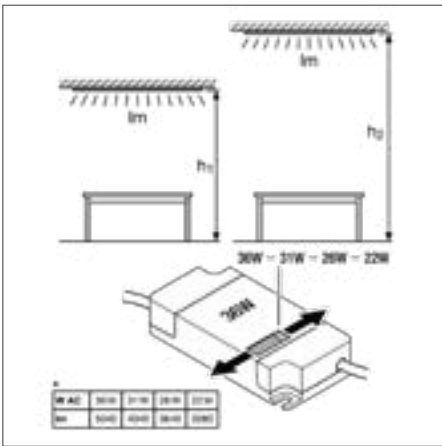


PL PROT 600 P 36W 830 DALIVR



PL PROT 600 P 36W 840 U19 DALIVR


FURTHER PRODUCT DETAILS



PANEL PROTECT 600/625 PS

Square recessed panel luminaires with IP54 protection and power select (PS) feature


PERFORMANCE CLASS       

Product name	EAN (GTIN)	Replacement for	W	lm	lm/w	K	L80 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
PL PROT 600 P 36W 830 PS	4099854082863	4 x 18 W FL	36/31/26/22	5040/4340/3640/3080	140	3000	70000	120	595 x 595 x 34
PL PROT 600 P 36W 840 PS	4099854082887	4 x 18 W FL	36/31/26/22	5040/4340/3640/3080	140	4000	70000	120	595 x 595 x 34
PL PROT 625 P 36W 830 PS	4099854083365	4 x 18 W FL	36/31/26/22	5040/4340/3640/3080	140	3000	70000	120	620 x 620 x 34
PL PROT 625 P 36W 840 PS	4099854083389	4 x 18 W FL	36/31/26/22	5040/4340/3640/3080	140	4000	70000	120	620 x 620 x 34

PANEL PROTECT 600/625 UGR < 19 PS

Square recessed panel luminaires with IP54 protection, power select (PS) feature and low glare










PERFORMANCE CLASS       

Product name	EAN (GTIN)	Replacement for	W	lm	lm/w	K	L80 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
PL PROT 600 P 36W 840 U19 PS	4099854083303	4 x 18 W FL	36/31/26/22	5040/4340/3640/3080	140	4000	70000	90	595 x 595 x 34
PL PROT 625 P 36W 840 U19 PS	4099854083488	4 x 18 W FL	36/31/26/22	5040/4340/3640/3080	140	4000	70000	90	620 x 620 x 34

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)










### PANEL PROTECT 600/625 DALI

Square recessed panel luminaires with IP54 protection, DALI-2 IoT technology

Product name	EAN (GTIN)	Replacement for	        										L x W x H [mm] Ø x H [mm]
			W	lm	lm/W	K	L80 <sup>3</sup>	°	°				
PL PROT 600 P 36W 830 DALIVR	4099854082900	4 x 18W FL	36	5040	140	3000	70000	120	DALI-2/IoT	595 x 595 x 34			
PL PROT 600 P 36W 840 DALIVR	4099854083105	4 x 18W FL	36	5040	140	4000	70000	120	DALI-2/IoT	595 x 595 x 34			
PL PROT 625 P 36W 830 DALIVR	4099854083402	4 x 18W FL	36	5040	140	3000	70000	120	DALI-2/IoT	620 x 620 x 34			
PL PROT 625 P 36W 840 DALIVR	4099854083440	4 x 18W FL	36	5040	140	4000	70000	120	DALI-2/IoT	620 x 620 x 34			

### PANEL PROTECT 600/625 UGR < 19 DALI

Square recessed panel luminaires with IP54 protection, DALI-2 IoT technology and low glare

Product name	EAN (GTIN)	Replacement for	        										L x W x H [mm] Ø x H [mm]
			W	lm	lm/W	K	L80 <sup>3</sup>	°	°				
PL PROT 600 P 36W 840 U19 DALIVR	4099854083327	4 x 18W FL	36	5040	140	4000	70000	90	DALI-2/IoT	595 x 595 x 34			
PL PROT 625 P 36W 840 U19 DALIVR	4099854083501	4 x 18W FL	36	5040	140	4000	70000	90	DALI-2/IoT	620 x 620 x 34			

<sup>1</sup> All luminaires support DALI-2 Energy Data (DALI part 252) and DALI-2 Diagnostic Data (DALI part 253).

<sup>2</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>3</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)







# PANEL COMFORT CRI 90

Recessed panel luminaires with CRI 90, selectable CCT and power select



## PRODUCT FEATURES

- Extruded aluminum frame
- Polystyrene diffuser
- 5-pole terminal block, cable cross section up to 5 x 2.5 mm<sup>2</sup> (36W versions)
- Luminaire versions with IoT-ready DALI-2 driver available
- Lifetime (L80/B10): up to 60 000h (at 25 °C)

## PRODUCT BENEFITS

- High performance with CRI 90 and high luminous efficacy
- Luminaire available with on-off and DALI-2 driver
- Good glare reduction (UGR < 19)
- High color consistency with SDCM 3
- Through-wiring possible with included connector box

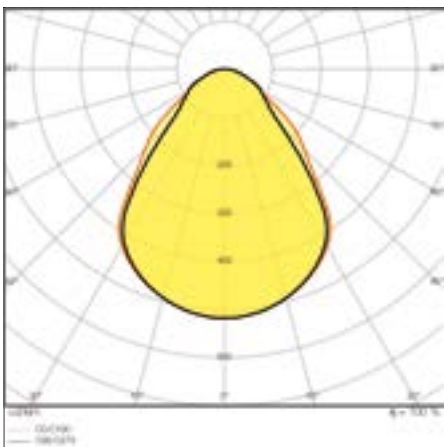
## AREAS OF APPLICATION

- Direct replacement for recessed luminaires with fluorescent lamps
- Offices, conference rooms
- Reception areas, foyers, corridors, elevators, schools, public buildings

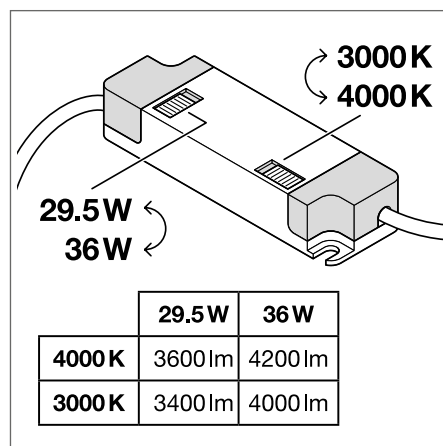
## EQUIPMENT / ACCESSORIES

- Selectable CCT and power on the external driver (On-off version) or separate CCT switch (DALI version)
- Connector box with 5-pole terminal included

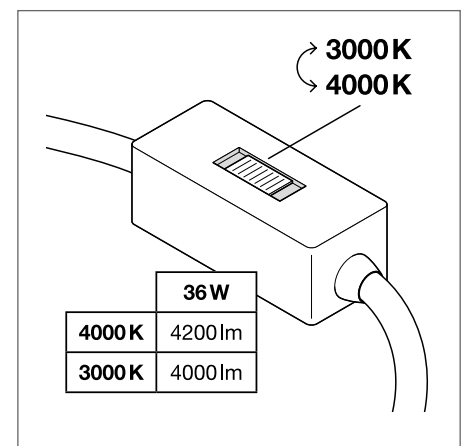
## FURTHER PRODUCT DETAILS



PANEL COMFORT 600 P 36W 930/940 U19 CPS



On/Off versions with CCT and lumen switch on driver



DALI versions with external CCT switch

## PANEL COMFORT CRI 90 600 / 625 UGR&lt;19

Recessed panel luminaires with CRI 90, selectable CCT and power select



Product name	EAN (GTIN)	W	lm	lm/w	K	L80 <sup>3</sup>			L x W x H [mm] Ø x H [mm]
PANEL COMFORT 600 P 36W 930/940 U19 CPS	4058075 <b>694460</b>	29.5	3400	115	3000	60000	90	—	595 x 595 x 35
		29.5	3600	122	4000				
		36.0	4000	111	3000				
		36.0	4200	116	4000				
PANEL COMFORT 625 P 36W 930/940 U19 CPS	4058075 <b>694484</b>	29.5	3400	115	3000	60000	90	—	620 x 620 x 35
		29.5	3600	122	4000				
		36.0	4000	111	3000				
		36.0	4200	116	4000				
PANEL COMFORT 600 P 36W 930/940 U19 DALIVR	4058075 <b>694507</b>	36.0	4000	111	3000	60000	90	DALI-2/loT	595 x 595 x 35
		36.0	4200	116	4000				
PANEL COMFORT 625 P 36W 930/940 U19 DALIVR	4058075 <b>694521</b>	36.0	4000	111	3000	60000	90	DALI-2/loT	620 x 620 x 35
		36.0	4200	116	4000				

<sup>1</sup> All DALI luminaires support DALI-2 Energy Data (DALI part 252) and DALI-2 Diagnostic Data (DALI part 253).

<sup>2</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>3</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)

## PANEL COMFORT

Square or rectangular recessed panel luminaires with different features: power select (PS), low-glare, DALI-2 IoT or Zigbee 3.0 technology



### PRODUCT FEATURES

- Extruded aluminum frame
- Polystyrene diffuser
- 5-pole terminal block, cable cross section up to 5 × 2.5 mm<sup>2</sup>
- Luminaire versions with IoT-ready DALI-2 driver available
- Lifetime (L80/B10): 70 000 h (at 25 °C)

### PRODUCT BENEFITS

- Highly versatile due to selectable power steps (Power Select - PS) on the driver
- Tool-free electrical connection due to push button connector
- Through-wiring possible with included connector box
- High color consistency with SDCM 3
- Extended services such as energy monitoring and remote maintenance possible with DALI versions

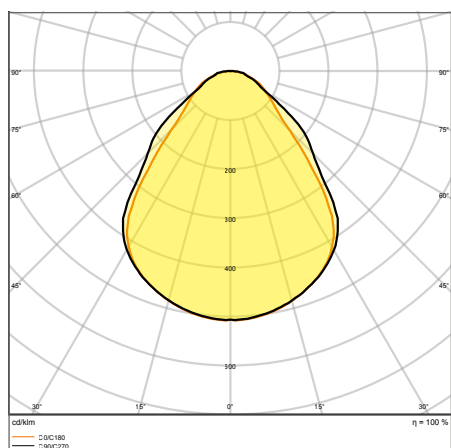
### AREAS OF APPLICATION

- Direct replacement for recessed luminaires with fluorescent lamps
- Offices, conference rooms
- Reception areas, foyers, corridors, elevators, schools, public buildings

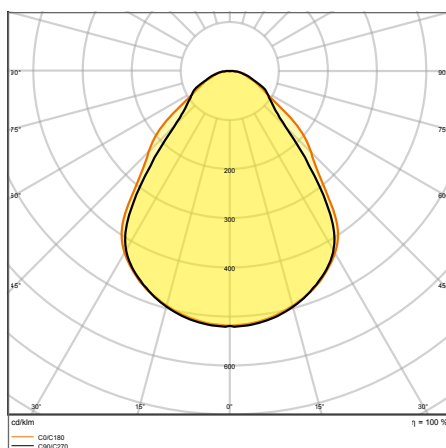
### EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- Connector box with 5-pole terminal included
- Security rope for luminaire included
- External control gear included

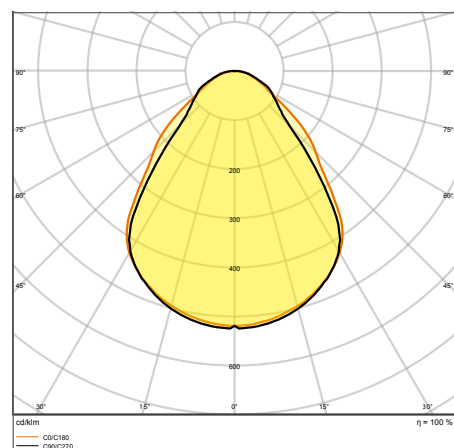
### FURTHER PRODUCT DETAILS



PL CMFT 600 P 28W 830 U19 PS



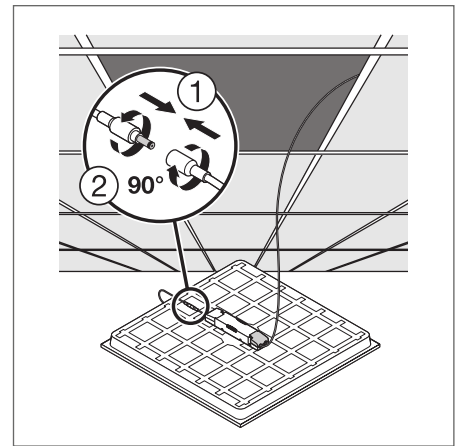
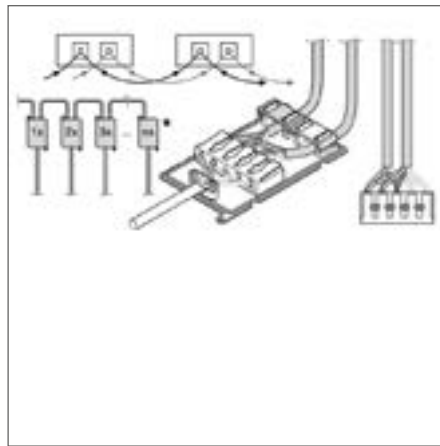
PL CMFT 600 P 30W 830 U19 PS



PL CMFT 600 P 33W 830 U19 PS

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

FURTHER PRODUCT DETAILS



PANEL COMFORT 600/625/1200 PS

Square or rectangular recessed panel luminaires with power select (PS) feature



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>2</sup>		L x W x H [mm] Ø x H [mm]	
PL CMFT 600 P 28W 830 PS	4099854014192	4 x 18W FL	28	3640	130	3000	70000	110	595 x 595 x 32	1
PL CMFT 600 P 28W 840 PS	4099854014215	4 x 18W FL	28	3640	130	4000	70000	110	595 x 595 x 32	1
PL CMFT 600 P 33W 830 PS	4099854014864	4 x 18W FL	33	4320	130	3000	70000	110	595 x 595 x 32	1
PL CMFT 600 P 33W 840 PS	4099854014888	4 x 18W FL	33	4320	130	4000	70000	110	595 x 595 x 32	1
PL CMFT 600 P 33W 865 PS	4099854014901	4 x 18W FL	33	4320	130	6500	70000	110	595 x 595 x 32	1
PL CMFT 625 P 28W 830 PS	4099854014253	4 x 18W FL	28	3640	130	3000	70000	110	620 x 620 x 32	2
PL CMFT 625 P 28W 840 PS	4099854014277	4 x 18W FL	28	3640	130	4000	70000	110	620 x 620 x 32	2
PL CMFT 625 P 33W 830 PS	4099854014642	4 x 18W FL	33	4320	130	3000	70000	110	620 x 620 x 32	2
PL CMFT 625 P 33W 840 PS	4099854014666	4 x 18W FL	33	4320	130	4000	70000	110	620 x 620 x 32	2
PL CMFT 1200 P 33W 830 PS	4099854002731	2 x 36W FL	33	4320	130	3000	70000	110	1195 x 295 x 11	3
PL CMFT 1200 P 33W 840 PS	4099854003981	2 x 36W FL	33	4320	130	4000	70000	110	1195 x 295 x 11	3

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)

## PANEL COMFORT 600/625/1200 UGR < 19 PS

Square or rectangular recessed panel luminaires with power select (PS) feature and low glare

Product name	EAN (GTIN)	Replacement for	Performance Class							L x W x H [mm] Ø x H [mm]	LEDVANCE 1 5 year guarantee
			W	lm	lm/W	K	L80 <sup>2</sup>	△	Light No.		
PL CMFT 600 P 28W 830 U19 PS	4099854014604	4 x 18W FL	28	3640	130	3000	70000	90	595 x 595 x 32	1	
PL CMFT 600 P 28W 840 U19 PS	4099854014628	4 x 18W FL	28	3640	130	4000	70000	90	595 x 595 x 32	1	
PL CMFT 600 P 33W 830 U19 PS	4099854015090	4 x 18W FL	33	4320	130	3000	70000	90	595 x 595 x 32	1	
PL CMFT 600 P 33W 840 U19 PS	4099854015113	4 x 18W FL	33	4320	130	4000	70000	90	595 x 595 x 32	1	
PL CMFT 600 P 33W 865 U19 PS	4099854015137	4 x 18W FL	33	4320	130	6500	70000	90	595 x 595 x 32	1	
PL CMFT 625 P 28W 830 U19 PS	4099854014376	4 x 18W FL	28	3640	130	3000	70000	90	620 x 620 x 32	2	
PL CMFT 625 P 28W 840 U19 PS	4099854014413	4 x 18W FL	28	3640	130	4000	70000	90	620 x 620 x 32	2	
PL CMFT 625 P 33W 830 U19 PS	4099854014529	4 x 18W FL	33	4320	130	3000	70000	90	620 x 620 x 32	2	
PL CMFT 625 P 33W 840 U19 PS	4099854014543	4 x 18W FL	33	4320	130	4000	70000	90	620 x 620 x 32	2	
PL CMFT 625 P 33W 865 U19 PS	4099854014567	4 x 18W FL	33	4320	130	6500	70000	90	620 x 620 x 32	2	
PL CMFT 1200 P 33W 830 U19 PS	4099854004087	2 x 36W FL	33	4320	130	3000	70000	90	1195 x 295 x 11	3	
PL CMFT 1200 P 33W 840 U19 PS	4099854004100	2 x 36W FL	33	4320	130	4000	70000	90	1195 x 295 x 11	3	

## PANEL COMFORT 600/625/1200 DALI

Square or rectangular recessed panel luminaire with DALI-2 IoT technology

Product name	EAN (GTIN)	Replacement for	Performance Class							L x W x H [mm] Ø x H [mm]	LEDVANCE 1 5 year guarantee
			W	lm	lm/W	K	L80 <sup>2</sup>	△	Light No.		
PL CMFT 600 P 28W 830 DALIVR	4099854014352	4 x 18W FL	28	3640	130	3000	70000	110	DALI-2/IoT	595 x 595 x 32	1
PL CMFT 600 P 28W 840 DALIVR	4099854014505	4 x 18W FL	28	3640	130	4000	70000	110	DALI-2/IoT	595 x 595 x 32	1
PL CMFT 600 P 33W 830 DALIVR	4099854014925	4 x 18W FL	33	4320	130	3000	70000	110	DALI-2/IoT	595 x 595 x 32	1
PL CMFT 600 P 33W 840 DALIVR	4099854015342	4 x 18W FL	33	4320	130	4000	70000	110	DALI-2/IoT	595 x 595 x 32	1
PL CMFT 600 P 33W 865 DALIVR	4099854015410	4 x 18W FL	33	4320	130	6500	70000	110	DALI-2/IoT	595 x 595 x 32	1
PL CMFT 625 P 28W 830 DALIVR	4099854014291	4 x 18W FL	28	3640	130	3000	70000	110	DALI-2/IoT	620 x 620 x 32	2
PL CMFT 625 P 28W 840 DALIVR	4099854014314	4 x 18W FL	28	3640	130	4000	70000	110	DALI-2/IoT	620 x 620 x 32	2
PL CMFT 625 P 33W 830 DALIVR	4099854014338	4 x 18W FL	33	4320	130	3000	70000	110	DALI-2/IoT	620 x 620 x 32	2
PL CMFT 625 P 33W 840 DALIVR	4099854014390	4 x 18W FL	33	4320	130	4000	70000	110	DALI-2/IoT	620 x 620 x 32	2
PL CMFT 1200 P 33W 830 DALIVR	4099854004001	2 x 36W FL	33	4320	130	3000	70000	110	DALI-2/IoT	1195 x 295 x 11	3
PL CMFT 1200 P 33W 840 DALIVR	4099854004049	2 x 36W FL	33	4320	130	4000	70000	110	DALI-2/IoT	1195 x 295 x 11	3

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>2</sup> t[h]: L70/B50 @ 25°C (T<sub>a</sub>)/t[h]: L80/B10 @ 25°C (T<sub>a</sub>)

<sup>3</sup> All luminaires support DALI-2 Energy Data (DALI part 252) and DALI-2 Diagnostic Data (DALI part 253).

## PANEL COMFORT 600/625/1200 UGR &lt; 19 DALI

Square or rectangular recessed panel luminaire with low glare and DALI-2 IoT technology

Product name	EAN (GTIN)	Replacement for	Performance & Features								L x W x H [mm] Ø x H [mm]	No.
			W	lm	lm/W	K	L80 <sup>3</sup>	Beam Angle	Beam Spread	Beam Type		
PL CMFT 600 P 28W 830 U19 DALIVR	4099854014703	4 x 18 W FL	28	3640	130	3000	70000	90	DALI-2/IoT	595 x 595 x 32	1	
PL CMFT 600 P 28W 840 U19 DALIVR	4099854014789	4 x 18 W FL	28	3640	130	4000	70000	90	DALI-2/IoT	595 x 595 x 32	1	
PL CMFT 600 P 33W 830 U19 DALIVR	4099854015304	4 x 18 W FL	33	4320	130	3000	70000	90	DALI-2/IoT	595 x 595 x 32	1	
PL CMFT 600 P 33W 840 U19 DALIVR	4099854015229	4 x 18 W FL	33	4320	130	4000	70000	90	DALI-2/IoT	595 x 595 x 32	1	
PL CMFT 600 P 33W 865 U19 DALIVR	4099854015243	4 x 18 W FL	33	4320	130	6500	70000	90	DALI-2/IoT	595 x 595 x 32	1	
PL CMFT 625 P 28W 830 U19 DALIVR	4099854014437	4 x 18 W FL	28	3640	130	3000	70000	90	DALI-2/IoT	620 x 620 x 32	2	
PL CMFT 625 P 28W 840 U19 DALIVR	4099854014482	4 x 18 W FL	28	3640	130	4000	70000	90	DALI-2/IoT	620 x 620 x 32	2	
PL CMFT 625 P 33W 830 U19 DALIVR	4099854014581	4 x 18 W FL	33	4320	130	3000	70000	90	DALI-2/IoT	620 x 620 x 32	2	
PL CMFT 625 P 33W 840 U19 DALIVR	4099854014680	4 x 18 W FL	33	4320	130	4000	70000	90	DALI-2/IoT	620 x 620 x 32	2	
PL CMFT 625 P 33W 865 U19 DALIVR	4099854014727	4 x 18 W FL	33	4320	130	6500	70000	90	DALI-2/IoT	620 x 620 x 32	2	
PL CMFT 1200 P 33W 830 U19 DALIVR	4099854004124	2 x 36 W FL	33	4320	130	3000	70000	90	DALI-2/IoT	1195 x 295 x 11	3	
PL CMFT 1200 P 33W 840 U19 DALIVR	4099854004162	2 x 36 W FL	33	4320	130	4000	70000	90	DALI-2/IoT	1195 x 295 x 11	3	

## PANEL COMFORT 600/625 ZIGBEE

Square recessed panel luminaire with Zigbee 3.0 technology

Product name	EAN (GTIN)	Replacement for	Performance & Features								L x W x H [mm] Ø x H [mm]	No.
			W	lm	lm/W	K	L80 <sup>3</sup>	Beam Angle	Beam Spread	Beam Type		
PL CMFT 600 P 33W 840 ZBVR	4099854015076	4 x 18 W FL	33	4320	130	4000	70000	110	Zigbee 3.0	595 x 595 x 32	1	
PL CMFT 625 P 33W 840 ZBVR	4099854014468	4 x 18 W FL	33	4320	130	4000	70000	110	Zigbee 3.0	620 x 620 x 32	2	

## PANEL COMFORT 600/625 UGR &lt; 19 ZIGBEE

Square recessed panel luminaire with low glare and Zigbee 3.0 technology

Product name	EAN (GTIN)	Replacement for	Performance & Features								L x W x H [mm] Ø x H [mm]	No.
			W	lm	lm/W	K	L80 <sup>3</sup>	Beam Angle	Beam Spread	Beam Type		
PL CMFT 600 P 33W 840 U19 ZBVR	4099854014239	4 x 18 W FL	33	4320	130	4000	70000	90	Zigbee 3.0	595 x 595 x 32	1	
PL CMFT 625 P 33W 840 U19 ZBVR	4099854014802	4 x 18 W FL	33	4320	130	4000	70000	90	Zigbee 3.0	620 x 620 x 32	2	

<sup>1</sup> All DALI and Zigbee luminaires support DALI-2 Energy Data (DALI part 252) and DALI-2 Diagnostic Data (DALI part 253).<sup>2</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions<sup>3</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)



## PANEL COMPACT

Square or rectangular recessed panel luminaires with different features: low-glare, DALI-2 or CRI 90



### PRODUCT FEATURES

- Extruded aluminum frame
- Polystyrene diffuser
- Lifetime (L80/B10): up to 50 000h (at 25 °C)

### PRODUCT BENEFITS

- Low flicker light thanks to special electronic control gear
- Energy savings thanks to system efficacy of up to 110 lm/W
- External driver for extended flexibility and easy installation
- Version with DALI ECG available
- 5 years guarantee

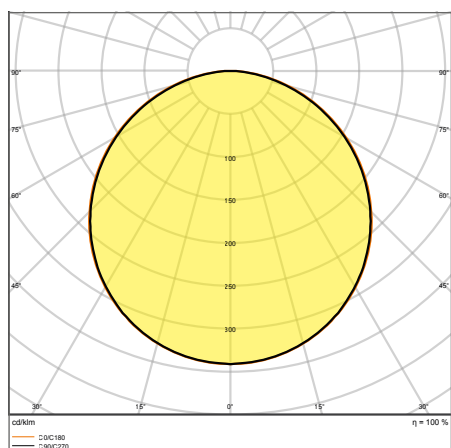
### AREAS OF APPLICATION

- Direct replacement for luminaires with fluorescent lamps
- Offices, conference rooms
- Reception areas, foyers, corridors, elevators

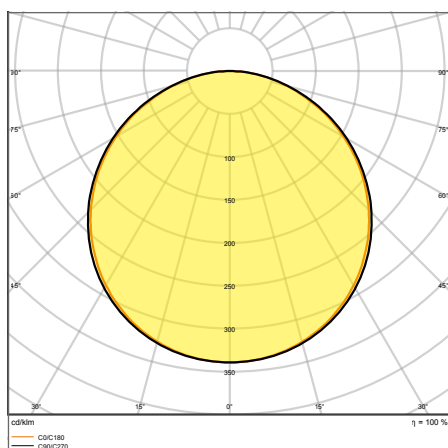
### EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- External control gear included
- Connector box with 5-pole terminal for through-wiring separately available for cable cross sections up to 2.5 mm<sup>2</sup>

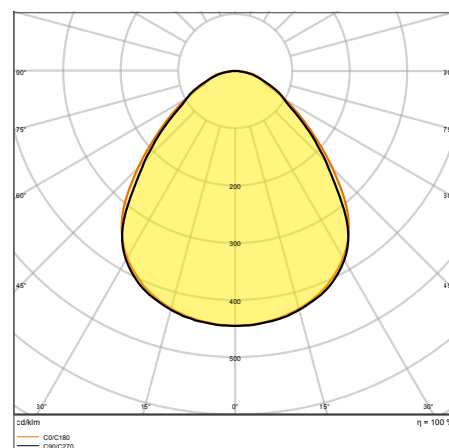
### FURTHER PRODUCT DETAILS



PL COMP 600 V 33W 830 U19



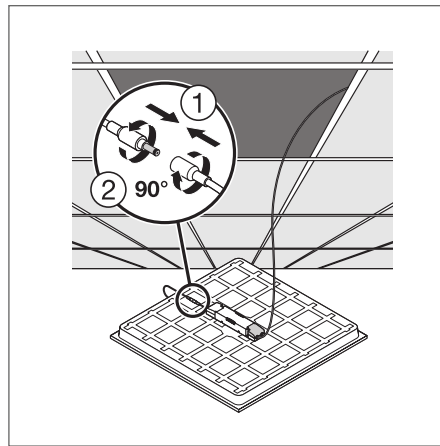
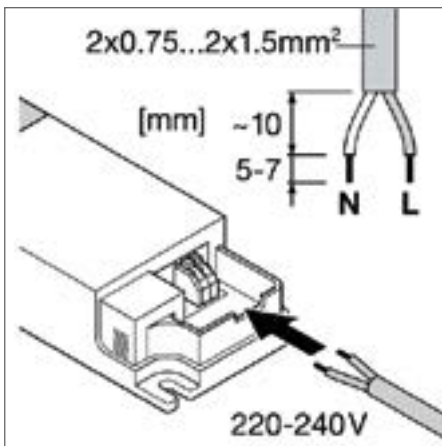
PL COMP 1200 V 33W 840 U19



PL COMP 1200x600 V 53W 840 U19

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

## FURTHER PRODUCT DETAILS



## PANEL COMPACT 600/625/1200

Square or rectangular recessed panel luminaires

VALUE CLASS



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>		L x W x H [mm] Ø x H [mm]	No.
PL COMP 600 V 33W 830	4099854017742	4 x 18W/4 x 14W FL	33	3630	110	3000	70000	90	595 x 595 x 32	1
PL COMP 600 V 33W 840	4099854017902	4 x 18W/4 x 14W FL	33	3630	110	4000	70000	120	595 x 595 x 32	1
PL COMP 600 V 33W 865	4099854017940	4 x 18W/4 x 14W FL	33	3630	110	6500	70000	120	595 x 595 x 32	1
PL COMP 625 V 33W 840	4099854017407	4 x 18W/4 x 14W FL	33	3630	110	4000	70000	90	620 x 620 x 32	1
PL COMP 1200 V 33W 840	4099854017162	1 x 36W FL	33	3630	110	4000	70000	120	1195 x 295 x 34	2
PL COMP 1200x600 V 53W 840	4099854113680	2 x 36W FL	53	5830	110	4000	70000	120	1195 x 595 x 34	3

## PANEL COMPACT 600/625/1200 UGR &lt; 19

Square or rectangular recessed panel luminaire with low glare

VALUE CLASS



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>		L x W x H [mm] Ø x H [mm]	No.
PL COMP 600 V 33W 830 U19	4099854017063	4 x 18W/4 x 14W FL	33	3630	110	3000	70000	120	595 x 595 x 32	1
PL COMP 600 V 33W 840 U19	4099854017223	4 x 18W/4 x 14W FL	33	3630	110	4000	70000	90	595 x 595 x 32	1
PL COMP 600 V 33W 865 U19	4099854017308	4 x 18W/4 x 14W FL	33	3630	110	6500	70000	90	595 x 595 x 32	1
PL COMP 625 V 33W 840 U19	4099854017469	4 x 18W/4 x 14W FL	33	3630	110	4000	70000	120	620 x 620 x 32	1
PL COMP 1200 V 33W 840 U19	4099854017209	1 x 36W FL	33	3630	110	4000	70000	90	1195 x 295 x 34	2
PL COMP 1200x600 V 53W 840 U19	4099854017643	2 x 36W FL	53	5830	110	4000	70000	90	1195 x 595 x 34	3

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)

### PANEL COMPACT 600/625/1200 DALI

Square or rectangular recessed panel luminaire with DALI-2 technology

Product name	EAN (GTIN)	Replacement for	Technical Specifications									
			W	lm	lm/W	K	L70 <sup>2</sup>	△	⌒	L × W × H [mm] ∅ × H [mm]	Light No.	
PL COMP 600 V 33W 830 DALI	4099854017803	4 × 18W/4 × 14W FL	33	3630	110	3000	70000	120	DALI-2	595 × 595 × 32	1	
PL COMP 600 V 33W 840 DALI	4099854017926	4 × 18W/4 × 14W FL	33	3630	110	4000	70000	120	DALI-2	595 × 595 × 32	1	
PL COMP 600 V 33W 865 DALI	4099854017025	4 × 18W/4 × 14W FL	33	3630	110	6500	70000	120	DALI-2	595 × 595 × 32	1	
PL COMP 625 V 33W 840 DALI	4099854017421	4 × 18W/4 × 14W FL	33	3630	110	4000	70000	120	DALI-2	620 × 620 × 32	1	
PL COMP 1200 V 33W 840 DALI	4099854017186	1 × 36W FL	33	3630	110	4000	70000	120	DALI-2	1195 × 295 × 34	2	
PL COMP 1200X600 V 53W 840 DALI	4099854113703	2 × 36W FL	53	5830	110	4000	70000	120	DALI-2	1195 × 595 × 34	3	

### PANEL COMPACT 600/625/1200 UGR < 19 DALI

Square or rectangular recessed panel luminaire with low glare and DALI-2 technology

Product name	EAN (GTIN)	Replacement for	Technical Specifications									
			W	lm	lm/W	K	L70 <sup>2</sup>	△	⌒	L × W × H [mm] ∅ × H [mm]	Light No.	
PL COMP 600 V 33W 830 U19 DALI	4099854017100	4 × 18W/4 × 14W FL	33	3630	110	3000	70000	90	DALI-2	595 × 595 × 32	1	
PL COMP 600 V 33W 840 U19 DALI	4099854017261	4 × 18W/4 × 14W FL	33	3630	110	4000	70000	90	DALI-2	595 × 595 × 32	1	
PL COMP 600 V 33W 865 U19 DALI	4099854017322	4 × 18W/4 × 14W FL	33	3630	110	6500	70000	90	DALI-2	595 × 595 × 32	1	
PL COMP 625 V 33W 840 U19 DALI	4099854017483	4 × 18W/4 × 14W FL	33	3630	110	4000	70000	90	DALI-2	620 × 620 × 32	1	
PL COMP 1200 V 33W 840 U19 DALI	4099854017247	1 × 36W FL	33	3630	110	4000	70000	90	DALI-2	1195 × 295 × 34	2	
PL COMP 1200X600 V 53W 840 U19 DALI	4099854017704	2 × 36W FL	53	5830	110	4000	70000	90	DALI-2	1195 × 595 × 34	3	

### PANEL COMPACT 600/1200 UGR < 19 CRI 90

Square or rectangular recessed panel luminaire with low glare and CRI 90

Product name	EAN (GTIN)	Replacement for	Technical Specifications									
			W	lm	lm/W	K	L70 <sup>2</sup>	△	⌒	L × W × H [mm] ∅ × H [mm]	Light No.	
PL COMP 600 V 30W 940 U19	4099854017346	4 × 18W/4 × 14W FL	30	3120	104	4000	70000	90		595 × 595 × 32	1	
PL COMP 600 V 35W 940 U19	4099854017360	4 × 18W/4 × 14W FL	35	3640	104	4000	70000	90		595 × 595 × 32	1	
PL COMP 1200 V 35W 940 U19	4099854017285	1 × 36W FL	35	3640	104	4000	70000	90		1195 × 295 × 34	2	

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)

## PANEL COMPACT 600 / 1200 UGR < 19 DALI CRI 90

Square or rectangular recessed panel luminaire with low glare, CRI90 and DALI-2 technology

VALUE CLASS





FLICKER VALUE  
< 5%

UGR  
< 19

CRI  
> 90

IP20  
IP40

LEDVANCE  
5 year  
guarantee

Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>	°	⤵	L x W x H [mm] Ø x H [mm]	Light No.
PL COMP 600 V 35W 940 U19 DALI	4099854017384	4 x 18W/4 x 14W FL	35	3640	104	4000	70000	90	DALI-2	595 x 595 x 32	1
PL COMP 1200 V 35W 940 U19 DALI	4099854017520	1 x 36W FL	35	3640	104	4000	70000	90	DALI-2	1195 x 295 x 34	2

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25°C (T<sub>a</sub>)/t[h]: L80/B10 @ 25°C (T<sub>a</sub>)



# COMPATIBILITY OF PANEL ACCESSORIES WITH PANEL FAMILIES<sup>1</sup>

## 1. SURFACE MOUNT KIT H75/H50



- Pre-assembled ready to install
- Simple fixing with magnets
- Cross brace for greater stability
- Material: aluminum

## 2. SURFACE MOUNT KIT VALUE



- Kit for tool-free mounting with corner clips
- Material: aluminum

## 3. SUSPENSION KIT



- Suspension length: 1 500 mm
- Material: steel

## 4. PANEL SECURITY KIT 4x



- Includes wires and brackets
- Material: steel

## 5. RECESSED MOUNT CLIPS



- Ceiling thickness: 10 to 20 mm
- Material: steel

## 6. RECESSED MOUNT FRAME



- Pre-assembled ready to install
- Seamless recessed mounting
- Ceiling thickness: 8 to 30 mm
- Material: aluminum

## 7. CONNECTOR BOX 5-POLE



- Tool-free electrical connection due to push button connector
- Through-wiring made possible
- Suitable for cable cross section up to 5 x 2.5 mm<sup>2</sup>

## 8. EMERGENCY CONVERSION BOX



- Conversion of selected LEDVANCE panels to emergency luminaires
- Plug-and-play system allows easy installation
- Battery technology: LiFePO<sub>4</sub>

## 9. PANEL 1200 CABLE EXTENSION TWIST LOCK



- Improves visual appearance of the Panel in suspended application
- Extension cable on DC side allowing to hide the driver behind the ceiling
- Tool-free installation via twist-lock connection

<sup>1</sup>The accessories are compatible with the Panels in the respectively matching size. For details refer to the User Instructions.



## COMPATIBILITIES AT A GLANCE

Accessories	GTIN (EAN)	PANEL TW/ BIOLUX	PANEL INDIVIDLED	PANEL PROTECT	PANEL COMFORT	PANEL COMPACT
1	Panel 600 Surface Mount Kit H75	4058075472914	✓		✓	✓
	Panel 625 Surface Mount Kit H75	4058075472938	✓		✓	✓
	Panel 1200x300 Surface Mount Kit	4058075108820	✓			✓
	Panel 600 Surface Mount Kit H75 BK	4058075834330	✓		✓	✓
	Panel 625 Surface Mount Kit H75 BK	4058075834354	✓		✓	✓
	Panel 1200x300 Surface Mount Kit BK	4058075834378	✓			✓
	Panel 600 Surface Mount Kit H50	4058075826397	✓		✓	
	Panel 625 Surface Mount Kit H50	4058075826403	✓		✓	
2	Panel 600 Surface Mount Kit H70 Value	4058075402843	✓		✓	✓
	Panel 625 Surface Mount Kit H70 Value	4058075402867	✓		✓	✓
	Panel 1200x300 SF Mount Kit H70 Value	4099854018497	✓		✓	✓
	Panel 1200x600 Surface Mount Kit Value	4058075389823	✓			✓
3	Panel Suspension Kit	4058075402928	✓	✓ <sup>2</sup>	✓	✓
4	Panel Security Kit 4x	4058075472990	✓ <sup>8</sup>		pre-installed	pre-installed
5	Panel Recessed Mount Clips Value 4x	4058075409859	✓	✓	✓	✓
6	Panel 600 Recessed Mount Frame	4058075402881	✓		✓	✓
	Panel 625 Recessed Mount Frame	4058075402904	✓		✓	✓
	Panel 1200x300 Recessed Mount Frame	4058075472976	✓		✓	✓
7	Connector Box 5-Pole L/N	4058075473010		✓ <sup>2</sup>	pre-installed	pre-installed
	Connector Box 5-Pole L/N/PE/D+/D-	4058075473034	pre-installed <sup>9</sup>	✓ <sup>4</sup>	pre-installed	pre-installed
8	Emergency Conversion Box AT 3H	4058075237025		✓ <sup>5</sup>	✓ <sup>5/7</sup>	✓ <sup>5</sup>
9	Panel 1200 Cable Extension Twist Lock	4099854018510			✓	

Technical product details  
for panel accessories  
found on next page

<sup>1</sup> The accessories are compatible with the Panels in the respectively matching size. For details refer to the User Instructions.

<sup>2</sup> Not in combination with Panel IndividLED Emergency

<sup>3</sup> Only with standard versions, not for DALI or Emergency versions

<sup>4</sup> Only with DALI or Emergency versions

<sup>5</sup> Not in combination with Surface Mount Kits, Surface Mount Clips or Suspension Kit

<sup>6</sup> Particular Emergency versions available

<sup>7</sup> Not in combination with CRI 90 versions

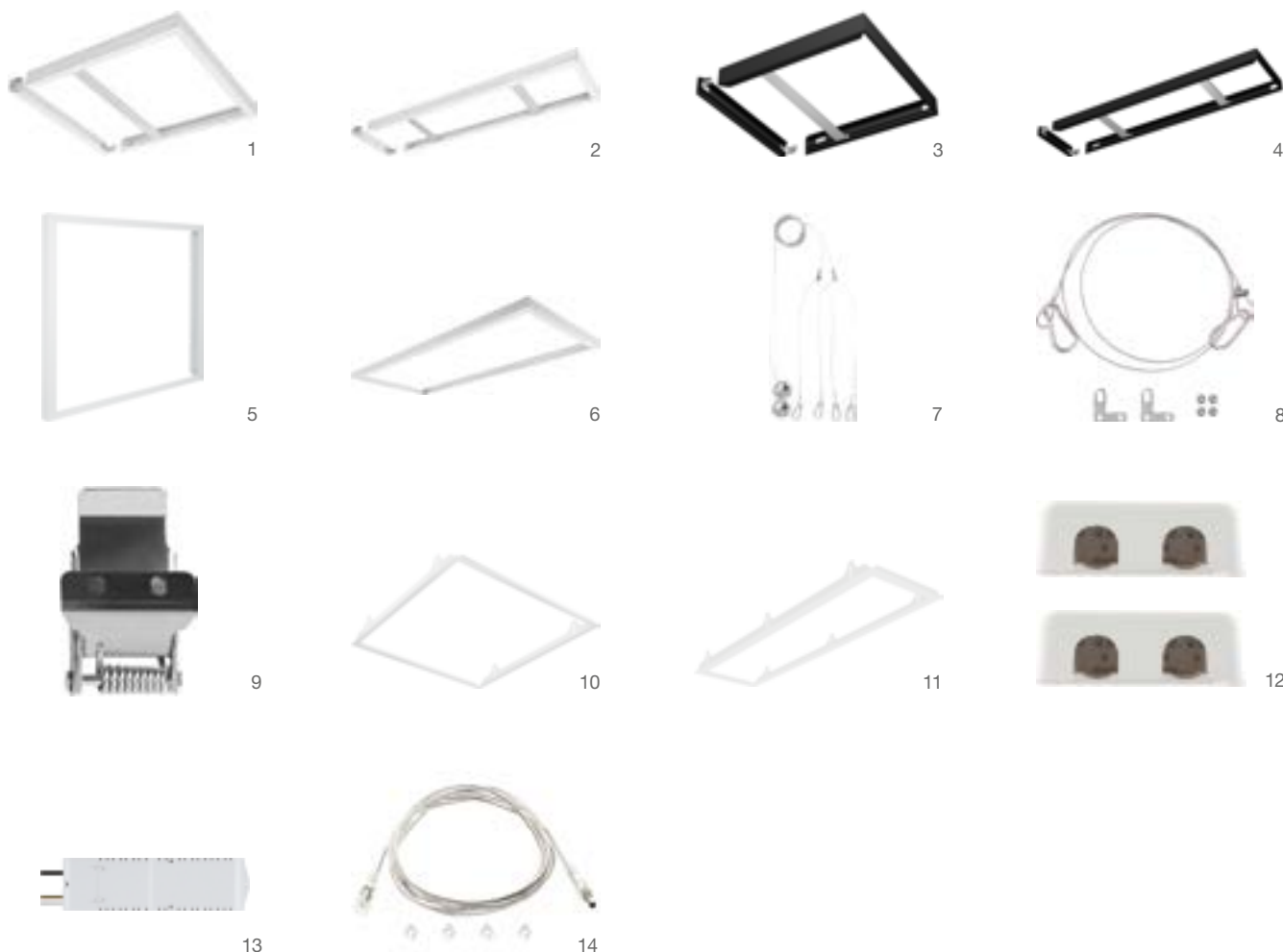
<sup>8</sup> DALI versions only

<sup>9</sup> Zigbee version only



## PANEL ACCESSORIES

Mounting accessories for panel luminaires, combination according to the accessories matrix





- Suspension Kit: suspension length 1.5 m adjustable for various applications by screw connection
- Surface Mount Kit: sturdy, cross-stiffened aluminum frame with magnetic corners

- Surface Mount Kit Value: aluminum frame with polycarbonate strip. With rectangular frame, panel insertion is possible from short or long frame side.
- Recessed Mount Clips Value 1x4: ceiling thickness 10–20 mm, plasterboard, wood and metal ceilings

- Cable Twist Lock Extension: Improves visual appearance of the Panel 1 200 in suspended application. Tool free installation by linking the extension wire into the existing twist lock connection between panel and driver.


## PANEL ACCESSORIES

Mounting accessories for panel luminaires, combination according to the accessories matrix


Product name	EAN (GTIN)	L x W x H [mm] Ø x H [mm]	MATERIAL	COLOR		 No.
PANEL 600 SURFACE MOUNT KIT H75	4058075 <b>472914</b>	601 × 601 × 75	Aluminum	White	1	1
PANEL 625 SURFACE MOUNT KIT H75	4058075 <b>472938</b>	626 × 626 × 75	Aluminum	White	1	1
PANEL 1200 Surface Mount Kit	4058075 <b>108820</b>	1201 × 301 × 56	Aluminum	White	1	2
PANEL 600 SURFACE MOUNT KIT H75 BK	4058075 <b>5834330</b>	600 × 600 × 76	Aluminum	Black	1	3
PANEL 625 SURFACE MOUNT KIT H75 BK	4058075 <b>5834354</b>	625 × 625 × 76	Aluminum	Black	1	3
PANEL 1200 SURFACE MOUNT KIT BK	4058075 <b>5834378</b>	1200 × 300 × 56	Aluminum	Black	1	4
PANEL 600 SURFACE MOUNT KIT H50	4058075 <b>5826397</b>	600 × 600 × 50	Aluminum	White	1	1
PANEL 625 SURFACE MOUNT KIT H50	4058075 <b>5826403</b>	625 × 625 × 50	Aluminum	White	1	1
PANEL 600 SURFACE MOUNT KIT H70 VAL	4058075 <b>402843</b>	613 × 613 × 70	Aluminum	White	1	5
PANEL 625 SURFACE MOUNT KIT H70 VAL	4058075 <b>402867</b>	638 × 638 × 70	Aluminum	White	1	5
PANEL 1200 X 300 SF MOUNT KIT H70 VAL	409985 <b>4018497</b>	1215 × 315 × 72	Aluminum	White	1	6
PANEL 1200x600 SURFACE MOUNT KIT VAL	4058075 <b>5389823</b>	1213 × 613 × 72	Aluminum	White	1	6
PANEL Suspension Kit	4058075 <b>402928</b>	30 × —	Steel	Steel	1	7
PANEL SECURITY KIT 4x	4058075 <b>472990</b>	1000 × 17 × 4	Steel	Steel	4	8
PANEL RECESSED MOUNT CLIPS VAL 4x	4058075 <b>409859</b>	25 × 45 × 33	Steel	Steel	4	9
PANEL 600 RECESSED MOUNT FRAME	4058075 <b>402881</b>	625 × 625 × 76	Aluminum	White	1	10
PANEL 625 RECESSED MOUNT FRAME	4058075 <b>402904</b>	650 × 650 × 76	Aluminum	White	1	10
PANEL 1200x300 RECESSED MOUNT FRAME	4058075 <b>472976</b>	1224 × 324 × 76	Aluminum	White	1	11
CONNECTOR BOX 5POLE L/N 4x	4058075 <b>473010</b>	115 × 56 × 19	Polycarbonate (PC)	White	4	12
CONNECTOR BOX 5POLE L/N/PE/D+/D- 4x	4058075 <b>473034</b>	115 × 56 × 19	Polycarbonate (PC)	White	4	12
EM CONVERSION BOX	4058075 <b>5237025</b>	292 × 81 × 41	—	—	1	13
PANEL 1200 CABLE EXT TWIST LOCK	409985 <b>4018510</b>	13 × 2400	Polyvinylchlorid (PVC)	Transparent	1	14

# SUSPENDED & SURFACE-MOUNTED LUMINAIRES

## GREAT LIGHT FOR GREAT RESULTS

**NEW** **LINEAR INDIVILED DIRECT/INDIRECT GEN 2**  **PERFORMANCE CLASS**

Page 118  
LINEAR INDIVILED DIRECT/INDIRECT PS  
LINEAR INDIVILED DIRECT/INDIRECT DALI



**LINEAR INDIVILED PENDANT LUMINAIRE WITH DIRECT AND INDIRECT EMISSION OF LIGHT**

- Minimalistic LEDVANCE SCALE design in extruded aluminum housing
- Includes EVERLOOP: Convenient replacement of light source and LED driver
- Pendant luminaire with direct light emission (70 %) and indirect light emission (30 %)


**NEW** **LINEAR INDIVILED DIRECT GEN 2**  **PERFORMANCE CLASS**

Page 120  
LINEAR INDIVILED DIRECT PS  
LINEAR INDIVILED DIRECT DALI




**LINEAR INDIVILED SURFACE-MOUNTED AND PENDANT LUMINAIRE**

- Minimalistic LEDVANCE SCALE design in extruded aluminum housing
- Includes EVERLOOP: Convenient replacement of light source and LED driver
- High performance with CRI 90 and up to 135 lm/W

**PANEL DIRECT/INDIRECT**  **PERFORMANCE CLASS**

Page 124  
PANEL DIRECT/INDIRECT  
PANEL DIRECT/INDIRECT DALI  
PANEL DIRECT/INDIRECT ZIGBEE




**ADVANCED PENDANT LUMINAIRE WITH DIRECT AND INDIRECT EMISSION OF LIGHT**

- Functional SCALE design luminaire for office applications (driver integrated in the ceiling rose)
- Special directional light design and PMMA diffuser for homogeneous, low-glare lighting (UGR < 19)
- Low-flicker light thanks to special electronic control gear




**Our suspended and surface-mounted luminaires all feature our unique LEDVANCE award winning and distinctive SCALE DESIGN language with design elements that combine a refined form and function.**



**WOULD YOU LIKE MORE INFORMATION?**

Scan this code to discover more about the feature-packed Linear IndiviLED Gen 2 luminaires: [ledvance.com/linear-indiviled-video](https://ledvance.com/linear-indiviled-video)



Discover more about our new EVERLOOP luminaires at: [ledvance.com/everloop](https://ledvance.com/everloop)

# OUR EVERLOOP PIONEERS



## LINEAR INDIVILED GEN 2

The Linear IndiviLED Gen 2 luminaires are the first products in the new EVERLOOP range from LEDVANCE and are both available as on/off versions or with additional DALI-2.0 IoT-ready and VIVARES compatible driver.

Thanks to great light output, excellent CRI 90 color rendering and an ideal distribution of direct and optional indirect light, Linear IndiviLED Gen 2 is always the right product for environments where a high quality of light and people’s well-being are equally important – from offices to educational establishments. Unlike conventional LED luminaires, this product’s drivers and light sources are easy to replace and upgrade – either suspended via the optionally available suspension kit accessory or as a surface-mounted luminaire, and as an individual luminaire or continuous line configuration, depending on your application needs.



### OVERVIEW OF THE NEW LINEAR INDIVILED GEN 2



**EVERLOOP**  
Convenient upgradability of light source and driver



**SCALE DESIGN**  
Revised design for easier installation and wiring

**FLEXIBILITY**  
Up to 9 000 lm and selectable power efficacy up to 137 lm/W @ CRI 90



**EVERLOOP SERVICE LABEL**  
Links to list of replaceable light sources and drivers

**CUSTOMIZED OPTICS**  
Better light control and more uniformity on work areas

**INDIRECT OPTICAL SYSTEM**  
Diffuse (opal) lens beam angle 130°

Upgradable indirect light source

**DIRECT OPTICAL SYSTEM**  
Fresnel lenses + louvre reflectors UGR <19

Upgradable direct light source



**ELECTRICAL CONNECTOR**  
easy to unplug

**DRIVERS** with quick release mechanism

**END CAPS** removable for continuous line configuration

# LINEAR INDIVILED DIRECT/INDIRECT GEN 2

Pendant luminaires with EVERLOOP design for a sustainable and convenient upgrade of light source and driver



## PRODUCT FEATURES

- Minimalistic LEDVANCE SCALE design in extruded aluminum housing
- Includes EVERLOOP: Convenient replacement of light source and LED driver
- Linkable into seamless light line with accessories (surface or pendant mounting)
- Pendant mounting with suspension kit (to be ordered separately)
- Available in 2 versions: with on/off driver and with DALI 2.0 IoT driver

## PRODUCT BENEFITS

- Easy upgradability of light source and driver (EVERLOOP design)
- Homogenous light distribution and reduced glare ( $UGR \leq 19$ ) thanks to IndiviLED® optics
- Pendant luminaires with direct light emission (70 %) and indirect light emission (30 %)
- High performance with CRI90 and up to 133 lm/W
- Easy installation

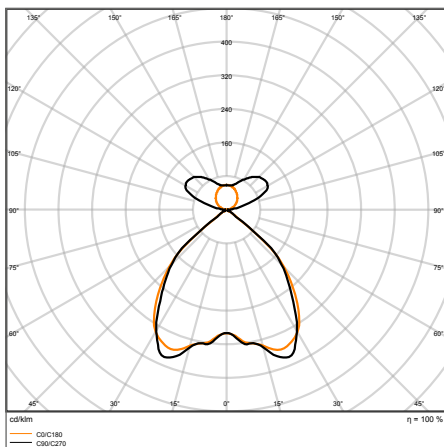
## AREAS OF APPLICATION

- Direct replacement for luminaires with fluorescent lamps
- Offices, education, public buildings
- Single and continuous line configuration
- Direct and indirect lighting

## EQUIPMENT / ACCESSORIES

- Suspension kit available for pendant luminaire version (to be ordered separately)
- Inline, corner and infill connectors available as separate accessory
- Through-wiring cable kit available

## FURTHER PRODUCT DETAILS



LINEAR INDIVILED <sup>®</sup> DIR/IND	DRIVER	dip switch			mA	W	lm	DRIVER	dip switch			mA	W	lm	Total		
		Pos 1	Pos 2	Preset					Pos 1	Pos 2	Preset				mA	W	lm
LN INDI 1200 P 55W 940 PS WT	OSRAM 33 101 40 200...240V	OFF	OFF	---	300	25	2100	OSRAM 33 101 40 200...240V	OFF	OFF	---	300	25	2100	600	50	4200
	OSRAM 33 101 40 200...240V	ON	ON	---	300	25	2100	OSRAM 33 101 40 200...240V	ON	ON	---	300	25	2100	600	50	4200
	OSRAM 33 101 40 200...240V	ON	ON	Preset	300	25	2100	OSRAM 33 101 40 200...240V	ON	ON	Preset	300	25	2100	600	50	4200
LN INDI 1200 P 55W 940 PS WT	OSRAM 33 101 40 200...240V	OFF	OFF	---	300	25	2100	OSRAM 33 101 40 200...240V	OFF	ON	---	300	25	2100	600	50	4200
	OSRAM 33 101 40 200...240V	ON	ON	---	300	25	2100	OSRAM 33 101 40 200...240V	ON	ON	---	300	25	2100	600	50	4200
	OSRAM 33 101 40 200...240V	ON	ON	Preset	300	25	2100	OSRAM 33 101 40 200...240V	ON	ON	Preset	300	25	2100	600	50	4200
LN INDI 1500 P 60W 940 PS WT	OSRAM 33 101 40 200...240V	OFF	OFF	---	300	25	2100	OSRAM 33 101 40 200...240V	OFF	OFF	---	300	25	2100	600	50	4200
	OSRAM 33 101 40 200...240V	ON	ON	---	300	25	2100	OSRAM 33 101 40 200...240V	ON	ON	---	300	25	2100	600	50	4200
	OSRAM 33 101 40 200...240V	ON	ON	Preset	300	25	2100	OSRAM 33 101 40 200...240V	ON	ON	Preset	300	25	2100	600	50	4200
LN INDI 1500 P 60W 940 PS WT	OSRAM 33 101 40 200...240V	OFF	ON	---	300	25	2100	OSRAM 33 101 40 200...240V	OFF	ON	---	300	25	2100	600	50	4200
	OSRAM 33 101 40 200...240V	ON	ON	---	300	25	2100	OSRAM 33 101 40 200...240V	ON	ON	---	300	25	2100	600	50	4200
	OSRAM 33 101 40 200...240V	ON	ON	Preset	300	25	2100	OSRAM 33 101 40 200...240V	ON	ON	Preset	300	25	2100	600	50	4200

INVDI 1200 P 55W 940 PS WT

## LINEAR INDIVILED DIRECT/INDIRECT GEN 2 PS

Pendant luminaire for single or light line office application with CRI90 and power select (PS) feature



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>2</sup>	°	L × W × H [mm] Ø × H [mm]
<b>NEW</b> LN INV DI 1200 P 55W 930 PS WT	40998541 <b>135156</b>	2 × 36W FL	55	6800	124	3000	70000	90 + 130	1210 × 125 × 43
<b>NEW</b> LN INV DI 1200 P 55W 940 PS WT	40998541 <b>135170</b>	2 × 36W FL	55	7200	131	4000	70000	90 + 130	1210 × 125 × 43
<b>NEW</b> LN INV DI 1500 P 69W 930 PS WT	40998541 <b>135231</b>	2 × 58W FL	69	8350	121	3000	70000	90 + 130	1475 × 125 × 43
<b>NEW</b> LN INV DI 1500 P 69W 940 PS WT	40998541 <b>135255</b>	2 × 58W FL	69	9050	131	4000	70000	90 + 130	1475 × 125 × 43

## LINEAR INDIVILED DIRECT/INDIRECT GEN 2 DALI

Pendant luminaire for single or light line office application with CRI90 and DALI-2 IoT technology



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>2</sup>	°	L × W × H [mm] Ø × H [mm]
<b>NEW</b> LN INV DI 1200 P 54W 930 DAVR WT	40998541 <b>135552</b>	2 × 36W FL	54	6500	120	3000	70000	90 + 130	DALI-2/IoT 1210 × 125 × 43
<b>NEW</b> LN INV DI 1200 P 54W 940 DAVR WT	40998541 <b>135576</b>	2 × 36W FL	54	6950	129	4000	70000	90 + 130	DALI-2/IoT 1210 × 125 × 43
<b>NEW</b> LN INV DI 1500 P 69W 930 DAVR WT	40998541 <b>135637</b>	2 × 58W FL	69	8150	118	3000	70000	90 + 130	DALI-2/IoT 1475 × 125 × 43
<b>NEW</b> LN INV DI 1500 P 69W 940 DAVR WT	40998541 <b>135651</b>	2 × 58W FL	69	8700	126	4000	70000	90 + 130	DALI-2/IoT 1475 × 125 × 43

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions<sup>2</sup> t[h]: L70 / B50 @ 25 °C (Ta) / t[h]: L80 / B10 @ 25 °C (Ta)<sup>3</sup> All luminaires support DALI-2 Energy Data (DALI part 252) and DALI-2 Diagnostic Data (DALI part 253).



## LINEAR INDIVILED DIRECT GEN 2

Surface luminaires with EVERLOOP design for a sustainable and convenient upgrade of light source and driver



### PRODUCT FEATURES

- Minimalistic LEDVANCE SCALE design in extruded aluminum housing
- Includes EVERLOOP: Convenient replacement of light source and LED driver
- Linkable into seamless light line with accessories (surface or pendant mounting)
- Pendant mounting with suspension kit (to be ordered separately)
- Available in 2 versions: with on/off driver and with DALI 2.0 IoT driver

### PRODUCT BENEFITS

- Easy upgradability of light source and driver (EVERLOOP design)
- Homogenous light distribution and reduced glare ( $UGR \leq 19$ ) thanks to IndiviLED® optics
- High performance with CRI90 and up to 130 lm/W
- Highly versatile due to selectable power steps (Power Select – PS) on the driver
- Easy installation

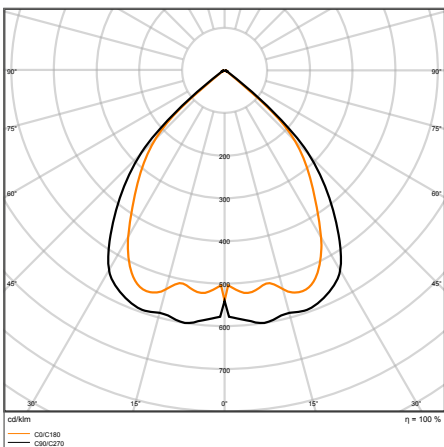
### AREAS OF APPLICATION

- Direct replacement for luminaires with fluorescent lamps
- Offices, education, public buildings.
- Single and continuous line configuration
- Direct lighting

### EQUIPMENT / ACCESSORIES

- Suspension kit available for pendant luminaire version (to be ordered separately)
- Inline, corner and infill connectors available as separate accessory
- Through-wiring cable kit available

### FURTHER PRODUCT DETAILS



LINEAR IndiviLED® DIRECT	DRIVER	dip switch			mA	W	lm	lm/W
		Pos.1	Pos.2	Preselect				
LN INV D 1200 P 40W 900 PS WT	OSRAM IT FIT 40 SOL_340 800 CS L	OFF	OFF	–	500	28	2100	108
		OFF	ON	–	600	30	2700	112
		ON	OFF	–	700	35	4400	122
		ON	ON	Preselect	800	40	4800	120
LN INV D 1200 P 40W 940 PS WT	OSRAM IT FIT 40 SOL_340 800 CS L	OFF	OFF	–	500	28	2270	110
		OFF	ON	–	600	30	2600	110
		ON	OFF	–	700	35	4000	118
		ON	ON	Preselect	800	40	3200	108
LN INV D 1200 P 32W 830 PS WT	OSRAM QF FIT 32W CS L AP_V3.2	OFF	OFF	–	300	20	4800	121
		OFF	ON	–	300	20	3400	118
		ON	OFF	–	375	24	3600	118
		ON	ON	Preselect	1000	52	8000	158
LN INV D 1200 P 32W 940 PS WT	OSRAM QF FIT 32W CS L AP_V3.2	OFF	OFF	–	300	20	5700	130
		OFF	ON	–	300	20	3900	128
		ON	OFF	–	375	24	4100	121
		ON	ON	Preselect	1000	52	8000	158

LN INV D 1200 P 40W 940 PS WT

## LINEAR INDIVILED DIRECT GEN 2 PS

Surface mounted luminaire for single or light line office application with CRI90 and power select (PS) feature



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>2</sup>	°	L x W x H [mm] Ø x H [mm]
<b>NEW</b> LN INV D 1200 P 40W 930 PS WT	40998541 <b>135316</b>	2 x 36W FL	40	4800	120	3000	70000	90	1210 x 125 x 43
<b>NEW</b> LN INV D 1200 P 40W 940 PS WT	40998541 <b>135330</b>	2 x 36W FL	40	5050	126	4000	70000	90	1210 x 125 x 43
<b>NEW</b> LN INV D 1500 P 52W 930 PS WT	40998541 <b>135477</b>	2 x 58W FL	52	6050	116	3000	70000	90	1475 x 125 x 43
<b>NEW</b> LN INV D 1500 P 52W 940 PS WT	40998541 <b>135491</b>	2 x 58W FL	52	6550	126	4000	70000	90	1475 x 125 x 43

## LINEAR INDIVILED DIRECT GEN 2 DALI

Surface mounted luminaire for single or light line office application with CRI90 and DALI-2 IoT technology

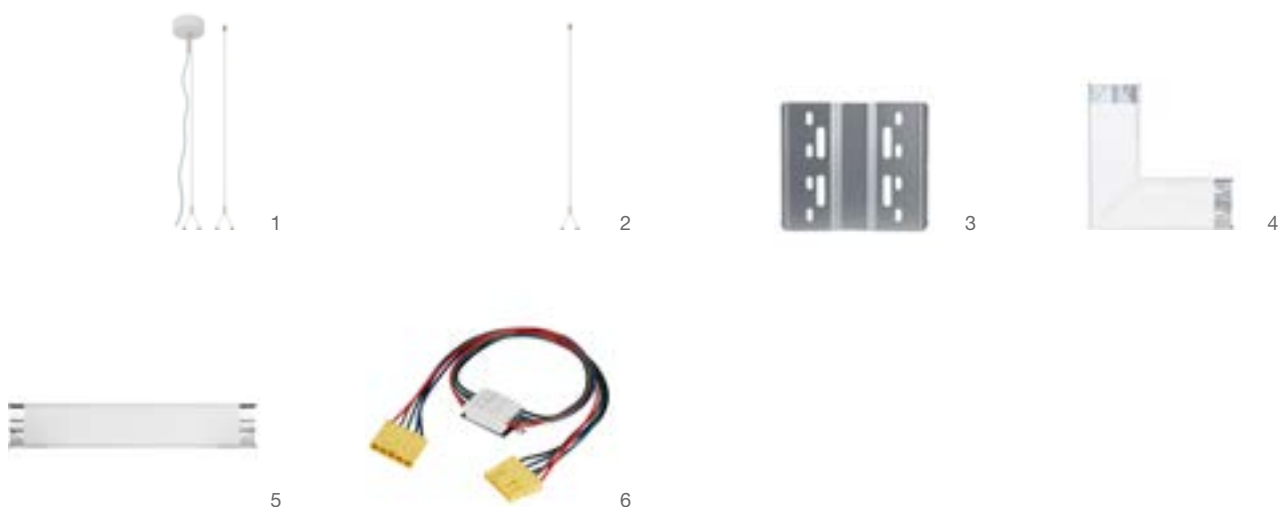


Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>2</sup>	°	°	L x W x H [mm] Ø x H [mm]
<b>NEW</b> LN INV D 1200 P 40W 930 DAVR WT	40998541 <b>135712</b>	2 x 36W FL	40	4800	120	3000	70000	90	DALI-2/IoT	1210 x 125 x 43
<b>NEW</b> LN INV D 1200 P 40W 940 DAVR WT	40998541 <b>135736</b>	2 x 36W FL	40	5050	126	4000	70000	90	DALI-2/IoT	1210 x 125 x 43
<b>NEW</b> LN INV D 1500 P 52W 930 DAVR WT	40998541 <b>136047</b>	2 x 58W FL	52	6100	117	3000	70000	90	DALI-2/IoT	1475 x 125 x 43
<b>NEW</b> LN INV D 1500 P 52W 940 DAVR WT	40998541 <b>136061</b>	2 x 58W FL	52	6400	123	4000	70000	90	DALI-2/IoT	1475 x 125 x 43

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions<sup>2</sup> t[h]: L70 / B50 @ 25 °C (Ta) / t[h]: L80 / B10 @ 25 °C (Ta)<sup>3</sup> All luminaires support DALI-2 Energy Data (DALI part 252) and DALI-2 Diagnostic Data (DALI part 253).

## LINEAR INDIVILED ACCESSORIES GEN 2

Mounting accessories for LINEAR INDIVILED GEN 2 luminaires 



### Suspension Kit:

- Complete suspension kit (ceiling connection box, push fit terminal, 2 suspension wires, transparent cable)

### Suspension Wire:

- Adjustable suspension wire: 1 x Y wire suspension 1.5 m

### Inline Connector:

- Mechanical H connector made of metal sheet with stainless steel M4 screws for light line connection

### Corner Connector:

- Mechanical and electric connector (profile, 5 x 2.5 mm<sup>2</sup> internal wiring and terminal plug, male-female AC plug)

### Infill 600 / 1200 / 1500:

- Mechanical and electric connector (profile, 5 x 2.5 mm<sup>2</sup> internal wiring and terminal plug, male-female AC plug)

### Throughwiring Kit 1200 / 1500:

- Through wiring cable kit for light lines (5 x 2.5 mm<sup>2</sup> internal wiring and terminal plug, male/female AC plug)



Product name	EAN (GTIN)	L x W x H [mm] Ø x H [mm]	MATERIAL	COLOR		 No.
<b>NEW</b> LN INV SUSPENSION KIT WT	4099854 <b>215537</b>	120 x 40 x 1500	Steel	White	1	1
<b>NEW</b> LN INV SUSPENSION WIRE	4099854 <b>215551</b>	11 x 1500	Copper	Silver	2	2
<b>NEW</b> LN INV INLINE CONNECTOR	4099854 <b>215612</b>	100 x 122 x 27	Steel	Silver	1	3
<b>NEW</b> LN INV CORNER CONNECTOR WT	4099854 <b>214905</b>	350 x 350 x 43	Steel	White	2	4
<b>NEW</b> LN INV INFILL 600 WT	4099854 <b>214882</b>	700 x 125 x 43	Aluminum	White	1	5
<b>NEW</b> LN INV INFILL 1200 WT	4099854 <b>214868</b>	1300 x 125 x 43	Aluminum	White	1	5
<b>NEW</b> LN INV INFILL 1500 WT	4099854 <b>214844</b>	1600 x 125 x 43	Aluminum	White	1	5
<b>NEW</b> LN INV 1200 THROUGHWIRING KIT	4099854 <b>214820</b>	1430 x 28 x 14	Polycarbonate (PC)	Yellow	1	6
<b>NEW</b> LN INV 1500 THROUGHWIRING KIT	4099854 <b>214806</b>	1720 x 28 x 14	Polycarbonate (PC)	Yellow	1	6

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

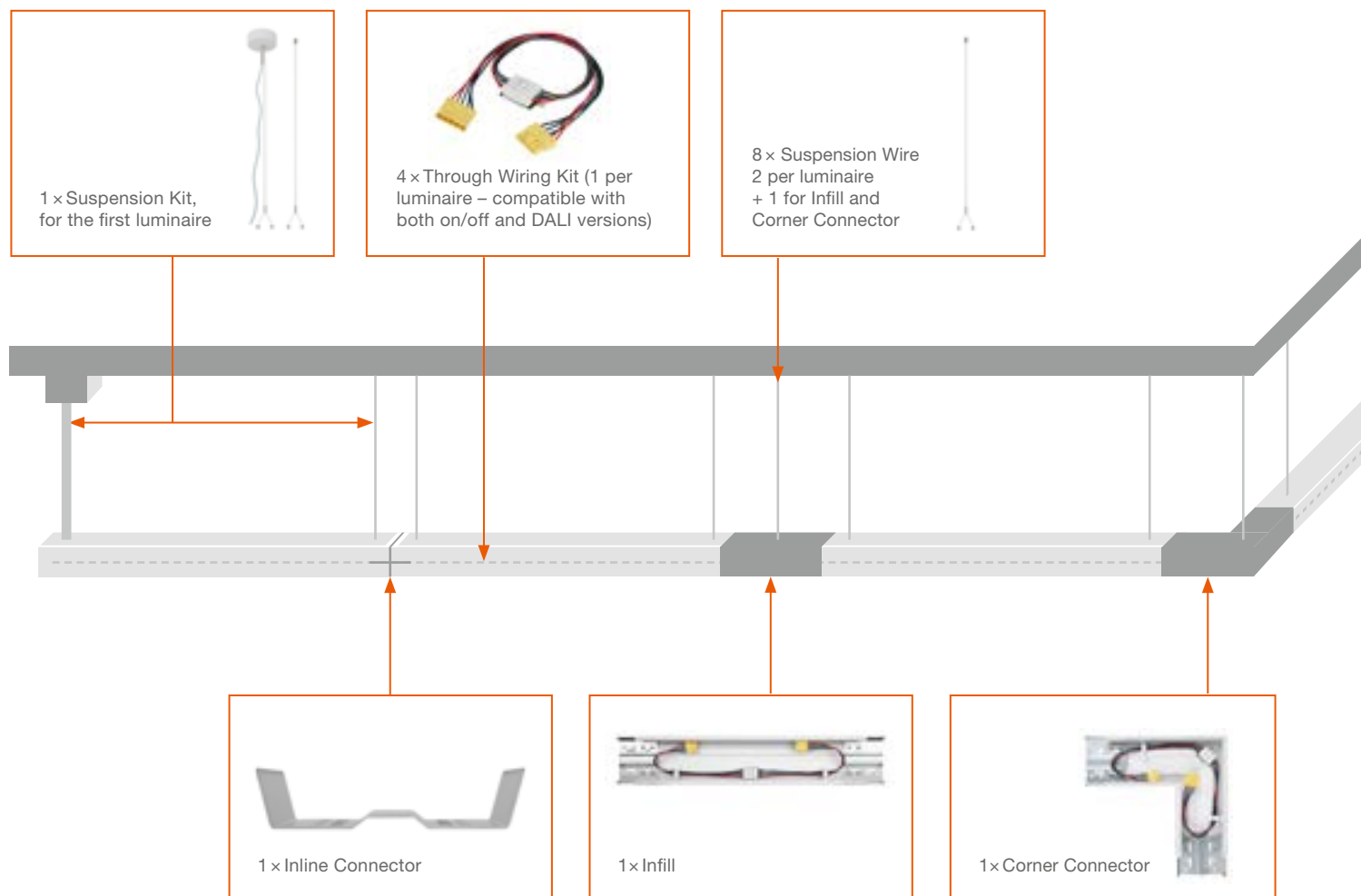
The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

# OUR CHECKLIST FOR YOUR LINEAR INDIVILED GEN 2 SYSTEM

**Typical installation:** We have put together for you all the necessary components for suspended installation of four luminaires as strip lighting in a corner configuration. For more information see the operating instructions for Linear IndiviLED Gen 2.


The through-wiring must be fitted by an installer.

## CORNER INSTALLATION OF 4 × LINEAR INDIVILED GEN 2



**ORDER LIST**

- 4 × Linear IndiviLED Luminaire
- 1 × Inline Connector
- 1 × Infill
- 1 × Corner Connector
- 4 × Through Wiring Kit
- 1 × Suspension Kit
- 8 × Suspension Wire



## PANEL DIRECT/INDIRECT

Suspended edge-lit luminaires for direct and indirect light emission, low glare UGR < 19



### PRODUCT FEATURES

- Very slim aluminum housing
- Rectangular (1 200 mm × 300 mm) stand-alone luminaires with direct (70 %) and indirect (30 %) light emission
- Steel cable suspension, length: 1.5 m
- Lifetime (L70/B50): up to 50 000 h (at 25 °C)
- IoT-ready versions with DALI-2.0 driver or Zigbee 3.0 technology

### PRODUCT BENEFITS

- Functional SCALE design luminaire for office applications (driver integrated in the ceiling rose)
- Special directional light design and PMMA diffuser for homogeneous, low-glare lighting (UGR < 19)
- Low flicker light thanks to special electronic control gear
- Comfortable light and high color consistency SDCM ≤ 3
- 5 years guarantee

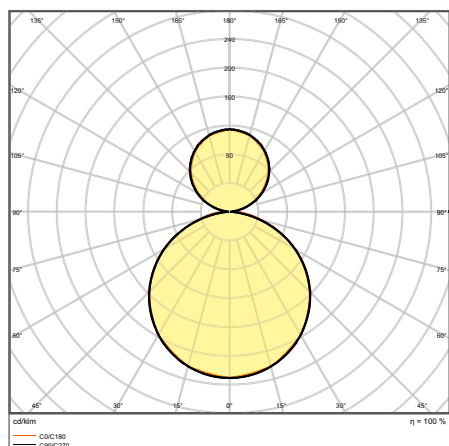
### AREAS OF APPLICATION

- Efficient replacement for traditional T8 and T5 luminaires
- Offices
- Meeting rooms
- Conference rooms
- Reception areas and foyers

### EQUIPMENT/ACCESSORIES

- Suspension kit included

### FURTHER PRODUCT DETAILS



PANEL D/I 1200 UGR 19 36 W 4000 K

## PANEL DIRECT/INDIRECT

Suspended edge-lit luminaires for direct and indirect light emission, low glare UGR < 19



Product name	EAN (GTIN)	Replacement for	W	lm	lm/w	K	L80 <sup>5</sup>	°	⤵	L x W x H [mm] Ø x H [mm]
PANEL D/I 1200 UGR 19 36 W 3000 K	4058075144606	2 x 58 W FL	36	3800	100	3000	60000	110	—	1200 x 300 x 16
PANEL D/I 1200 UGR 19 36 W 4000 K	4058075144620	2 x 58 W FL	36	4000	110	4000	60000	110	—	1200 x 300 x 16
PANEL D/I 1200 UGR 19 36 W 3000 K DALI	4058075504028	2 x 58 W FL	36	3800	105	3000	60000	110	DALI-2/loT	1200 x 300 x 16
PANEL D/I 1200 UGR 19 36 W 4000 K DALI	4058075504042	2 x 58 W FL	36	4000	110	4000	60000	110	DALI-2/loT	1200 x 300 x 16
PANEL D-I 1200 36 W-4000 K UGR19 ZBVR	4058075521889	2 x 58 W FL	36	4000	110	4000	60000	110	Zigbee 3.0	1200 x 300 x 16

<sup>1</sup> All DALI and Zigbee luminaires support DALI-2 Energy Data (DALI part 252) and DALI-2 Diagnostic Data (DALI part 253).

<sup>2</sup> Flicker value < 5 % for DALI versions

<sup>3</sup> On/Off versions are exempt

<sup>4</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>5</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)



# LINEAR LUMINAIRES

HIGH LEVELS OF COMFORT AND FLEXIBILITY

## LINEAR SURFACE IP44 GEN 2



PERFORMANCE CLASS

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LINEAR SURFACE IP44  
LINEAR SURFACE IP44 DALI  
LINEAR SURFACE IP44 EM



### IDEAL FOR SPECIAL APPLICATIONS WITH A HIGH DEGREE OF PROTECTION

- Robust IP44 and IK08 luminaire with integrated driver for surface and pendant mounting
- Replacement for traditional 2/14 W, 2/28 W, and 2/49 W versions
- Also available with 3-hour single battery on request (please note longer delivery time)

## LINEAR ULTRA OUTPUT



PERFORMANCE CLASS

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LINEAR ULTRA OUTPUT  
LINEAR ULTRA OUTPUT EMERGENCY



### EXCELLENT LIGHT OUTPUT

- Replacement of conventional T8 luminaires: equivalent to 1/36 W, 2/36 W, 1/58 W, 2/58 W and 2 x 80 W depending on the version
- Robust housing with IK08
- Easy and time saving installation

## LINEAR COMPACT



VALUE CLASS

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LINEAR COMPACT SWITCH  
LINEAR COMPACT HIGH OUTPUT  
LINEAR COMPACT BATTEN



### COMPACT AND VERSATILE

- Flexible strip lighting versions possible, plug-in (HIGH OUTPUT and SWITCH) or with wiring (BATTEN)
- Many options for fast and flexible mounting through extensive accessories
- High luminous flux of up to 2 500 lm

## LINEAR MAGNETIC BATTEN T5



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### LED LUMINAIRE INSERT: SIMPLY BRILLIANT

- Replacement-kit for modernizing existing metallic ceiling lights (T8 and T5 fluorescent tubes) to energy-saving LED technology
- Certified “Luminaire-in-a-Luminaire”
- Easy Mounting (hands-free, over-head) thanks to strong magnets and tool-free electrical connection

## WHICH LUMINAIRE IS SUITABLE FOR WHICH APPLICATION?

LINEAR SURFACE IP44 GEN 2



General lighting and special applications requiring a high degree of protection

LINEAR ULTRA OUTPUT



Industry, general lighting

LINEAR COMPACT



Cove lighting, shop and hospitality

LINEAR MAGNETIC BATTEN T5



Refurbishment of old T8 (and T5) fluorescent luminaires



## LINEAR SURFACE IP44 GEN 2

Robust IP44 luminaires with direct light emission and integrated driver for surface applications, up to 137 lm/W



### PRODUCT FEATURES

- Surface mounted luminaires with direct light emission
- Type of protection: IP44
- Impact resistance: IK08
- Available in 3 different lengths: 600 mm, 1200 mm and 1500 mm
- High luminous efficacy: up to 137 lm/W
- Through-wiring cable already installed
- DALI and self-contained emergency versions also available

### PRODUCT BENEFITS

- Low maintenance and low operational costs
- Cable entry on the back of the luminaire and on each end-caps for easy electrical connection
- Easy and quick installation
- Low flicker light thanks to special electronic control gear
- 5 years guarantee

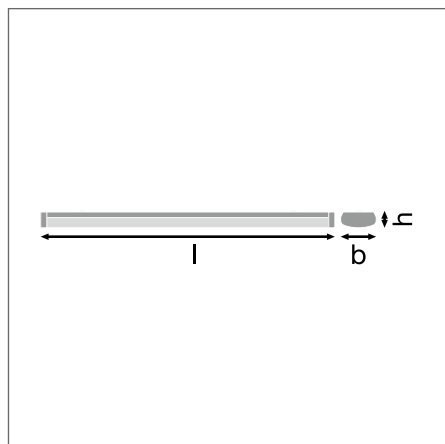
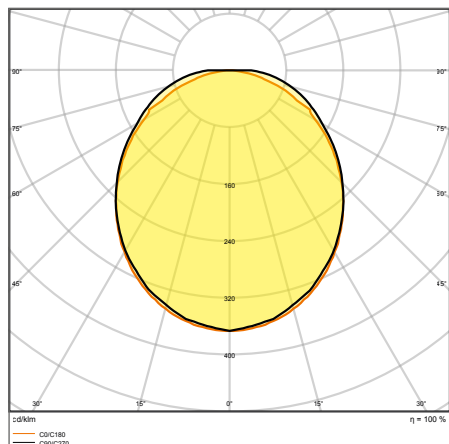
### AREAS OF APPLICATION

- Efficient replacement for traditional T8 and T5 luminaires
- Public buildings
- General illumination
- Libraries, schools

### EQUIPMENT / ACCESSORIES

- Equipped with through-wiring cables and connectors
- Tool-free cable strain reliefs included












### FURTHER PRODUCT DETAILS



LN SF 1200 P 32W 840 WT IP44











## LINEAR SURFACE IP44 GEN 2/ LINEAR SURFACE IP44 DALI

Robust IP44 luminaires with direct light emission and integrated driver for surface applications, up to 137 lm/W

Product name	EAN (GTIN)	Replacement for	        								L x W x H [mm] Ø x H [mm]
			W	lm	lm/W	K	L80 <sup>2</sup>				
LN SF 600 P 18W 830 WT IP44	4058075733152	2 x 14W FL	18	2250	125	3000	70000	110	—	608 x 166 x 63	
LN SF 600 P 18W 840 WT IP44	4058075733091	2 x 14W FL	18	2430	135	4000	70000	110	—	608 x 166 x 63	
LN SF 1200 P 32W 830 WT IP44	4058075733176	2 x 28W FL	32	4160	130	3000	70000	110	—	1176 x 166 x 63	
LN SF 1200 P 32W 840 WT IP44	4058075733114	2 x 28W FL	32	4384	137	4000	70000	110	—	1176 x 166 x 63	
LN SF 1500 P 45W 830 WT IP44	4058075733190	2 x 49W FL	45	5850	130	3000	70000	110	—	1476 x 166 x 63	
LN SF 1500 P 45W 840 WT IP44	4058075733138	2 x 49W FL	45	6165	137	4000	70000	110	—	1476 x 166 x 63	
LN SF 600 P 18W 830 WT IP44 DALI	4058075733398	2 x 14W FL	18	2340	130	3000	70000	110	DALI-2	608 x 166 x 63	
LN SF 600 P 18W 840 WT IP44 DALI	4058075733336	2 x 14W FL	18	2466	137	4000	70000	110	DALI-2	608 x 166 x 63	
LN SF 1200 P 32W 830 WT IP44 DALI	4058075733411	2 x 28W FL	32	4160	130	3000	70000	110	DALI-2	1176 x 166 x 63	
LN SF 1200 P 32W 840 WT IP44 DALI	4058075733350	2 x 28W FL	32	4384	137	4000	70000	110	DALI-2	1176 x 166 x 63	
LN SF 1500 P 45W 830 WT IP44 DALI	4058075733435	2 x 49W FL	45	5850	130	3000	70000	110	DALI-2	1476 x 166 x 63	
LN SF 1500 P 45W 840 WT IP44 DALI	4058075733374	2 x 49W FL	45	6165	137	4000	70000	110	DALI-2	1476 x 166 x 63	

## LINEAR SURFACE IP44 EMERGENCY

Robust IP44 luminaires with direct light emission, integrated driver and integrated emergency lighting function, up to 137 lm/W

Product name	EAN (GTIN)	Replacement for	       								L x W x H [mm] Ø x H [mm]
			W	lm	lm/W	K	L80 <sup>2</sup>				
LN SF 600 P 18W 830 WT IP44 EM	4058075733275	2 x 14W FL	18	2250	125	3000	70000	110	—	608 x 166 x 63	
LN SF 600 P 18W 840 WT IP44 EM	4058075733213	2 x 14W FL	18	2430	135	4000	70000	110	—	608 x 166 x 63	
LN SF 1200 P 32W 830 WT IP44 EM	4058075733299	2 x 28W FL	32	4160	130	3000	70000	110	—	1176 x 166 x 63	
LN SF 1200 P 32W 840 WT IP44 EM	4058075733237	2 x 28W FL	32	4384	137	4000	70000	110	—	1176 x 166 x 63	
LN SF 1500 P 45W 830 WT IP44 EM	4058075733312	2 x 49W FL	45	5850	130	3000	70000	110	—	1476 x 166 x 63	
LN SF 1500 P 45W 840 WT IP44 EM	4058075733251	2 x 49W FL	45	6165	137	4000	70000	110	—	1476 x 166 x 63	

## EMERGENCY LIGHTING PROPERTIES

Product name	Battery life in emergency operation mode	Type of emergency operation test	Type of emergency light operation	Luminous flux in emergency operation mode	Type of Battery
LN SF 600 P 18W 830 WT IP44 EM	3 h	Automatic	Maintained/Non-maintained	340 lm	LiFePO4
LN SF 600 P 18W 840 WT IP44 EM	3 h	Automatic	Maintained/Non-maintained	340 lm	LiFePO4
LN SF 1200 P 32W 830 WT IP44 EM	3 h	Automatic	Maintained/Non-maintained	340 lm	LiFePO4
LN SF 1200 P 32W 840 WT IP44 EM	3 h	Automatic	Maintained/Non-maintained	340 lm	LiFePO4
LN SF 1500 P 45W 830 WT IP44 EM	3 h	Automatic	Maintained/Non-maintained	340 lm	LiFePO4
LN SF 1500 P 45W 840 WT IP44 EM	3 h	Automatic	Maintained/Non-maintained	340 lm	LiFePO4

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)

## LINEAR ULTRA OUTPUT

Surface luminaire with high lumen output and high luminous efficacy



### PRODUCT FEATURES

- Housing made of robust white sheet steel, end cap and opal diffuser made of polycarbonate (PC)
- Versions with luminous flux between 3500 and 7100 lm available
- Very high luminous efficacy: up to 125 lm/W
- Through-wiring possible
- Tool-free installation by push button terminal and simple click system of the diffuser

### PRODUCT BENEFITS

- Replacement of conventional T8 luminaires: equivalent to 2/36 W, 1/58 W, 2/58 W and 2 × 80 W
- Robust structure with IK08
- Energy savings of up to 60 % compared to luminaires that use CFL
- 5 years guarantee

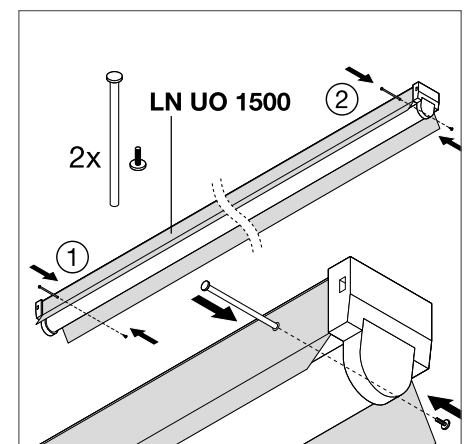
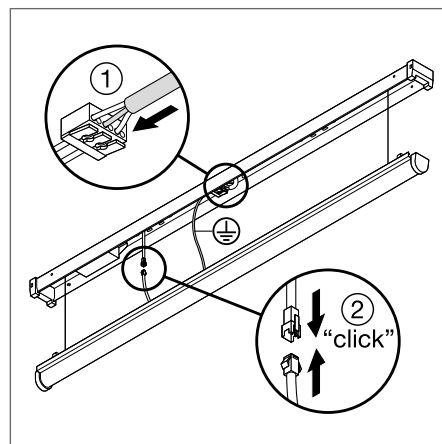
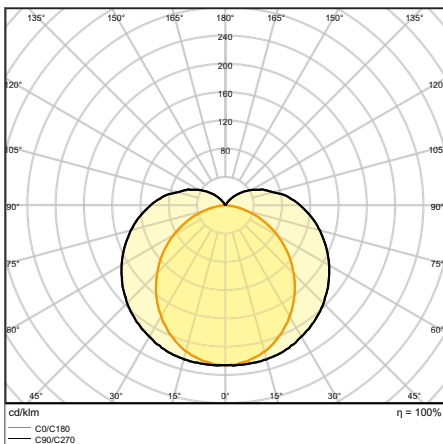
### AREAS OF APPLICATION

- Direct replacement for luminaires with fluorescent lamps
- Indoor applications
- Industrial and commercial halls
- Public areas
- Corridors, stairwells, basements

### EQUIPMENT/ACCESSORIES

- Mounting screws and dowels included

### FURTHER PRODUCT DETAILS



LN UO 1500 60 W 4000 K

## LINEAR ULTRA OUTPUT

Surface luminaire with high luminous flux



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
LN UO 1200 25 W 4000 K	4058075479951	—	25	2950	120	4000	50000	110	1168 x 62 x 74
LN UO 1200 33 W 3000 K	4058075122147	2 x 36W FL	33	3700	110	3000	50000	110	1168 x 62 x 74
LN UO 1200 33 W 4000 K	4058075122161	2 x 36W FL	33	4000	120	4000	50000	110	1168 x 62 x 74
LN UO 1500 30 W 4000 K	4058075122208	1 x 58W FL	30	3800	125	4000	50000	110	1458 x 62 x 74
LN UO 1500 46 W 3000 K	4058075122222	2 x 58W FL	46	5000	110	3000	50000	110	1458 x 62 x 74
LN UO 1500 46 W 4000 K	4058075122246	2 x 58W FL	46	5500	120	4000	50000	110	1458 x 62 x 74
LN UO 1500 60 W 4000 K	4058075122284	2 x 80W FL	60	7100	120	4000	50000	110	1458 x 62 x 74

## LINEAR ULTRA OUTPUT EMERGENCY

Surface luminaire with high luminous flux and integrated emergency lighting function



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
LN UO EM 1200 25 W 4000 K	4058075515222	1 x 36W FL	25	2950	120	4000	50000	120	1168 x 62 x 74
LN UO EM 1200 33 W 3000 K	4058075515246	2 x 36W FL	33	3700	110	3000	50000	120	1168 x 62 x 74
LN UO EM 1200 33 W 4000 K	4058075515260	2 x 36W FL	33	4000	120	4000	50000	120	1168 x 62 x 74
LN UO EM 1500 30 W 4000 K	4058075515307	1 x 58W FL	30	3800	240	4000	50000	120	1458 x 62 x 74
LN UO EM 1500 46 W 3000 K	4058075515321	2 x 58W FL	46	5000	110	3000	50000	120	1458 x 62 x 74
LN UO EM 1500 46 W 4000 K	4058075515352	2 x 58W FL	46	5500	120	4000	50000	120	1458 x 62 x 74
LN UO EM 1500 60 W 4000 K	4058075515390	2 x 80W FL	60	7100	120	4000	50000	120	1458 x 62 x 74

## EMERGENCY LIGHTING PROPERTIES

Product name	Battery life in emergency operation mode	Type of emergency operation test	Type of emergency light operation	Luminous flux in emergency operation mode	Type of Battery
LN UO EM 1200 25 W 4000 K	3 h	Automatic	Maintained/Non-maintained	370 lm	LiFePO4
LN UO EM 1200 33 W 3000 K	3 h	Automatic	Maintained/Non-maintained	370 lm	LiFePO4
LN UO EM 1200 33 W 4000 K	3 h	Automatic	Maintained/Non-maintained	370 lm	LiFePO4
LN UO EM 1500 30 W 4000 K	3 h	Automatic	Maintained/Non-maintained	370 lm	LiFePO4
LN UO EM 1500 46 W 3000 K	3 h	Automatic	Maintained/Non-maintained	370 lm	LiFePO4
LN UO EM 1500 46 W 4000 K	3 h	Automatic	Maintained/Non-maintained	370 lm	LiFePO4
LN UO EM 1500 60 W 4000 K	3 h	Automatic	Maintained/Non-maintained	370 lm	LiFePO

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)



# LINEAR COMPACT

Compact single or light line luminaire



## PRODUCT FEATURES

- Housing made of durable polycarbonate
- High Output and Switch: fast and seamless connection up to a maximum of 10 luminaires per strip
- Batten: lighting strip with connection via the rear of the luminaire with up to 60 luminaires
- Up to 4 different lengths available
- Glow Wire Test according to IEC 60695-2-12: 850 °C

## PRODUCT BENEFITS

- Flexible strip lighting versions possible, plug-in (High Output and Switch) or with wiring (Batten)
- Many options for fast and flexible mounting through extensive accessories
- High luminous flux up to 2 500 lm
- Low flicker light thanks to special electronic control gear
- 5 years guarantee

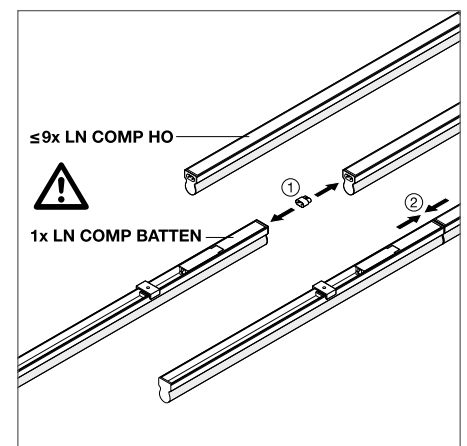
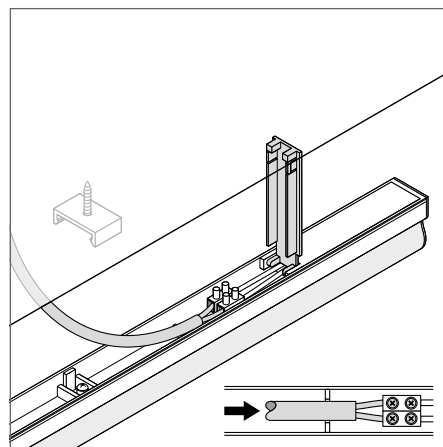
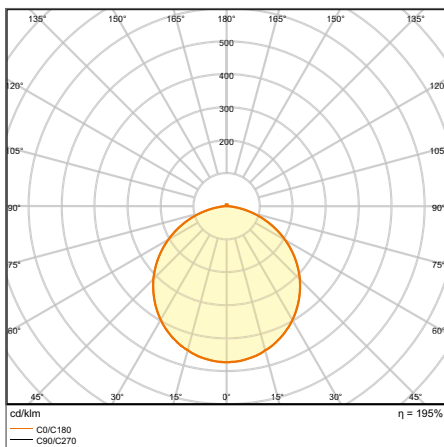
## AREAS OF APPLICATION

- Direct replacement for luminaires with fluorescent lamps
- Indoor applications
- Accent lighting
- Public areas

## EQUIPMENT / ACCESSORIES

- Equipped with power plug, cable connector and line adapter for connecting further luminaires\*
- Mounting material for wall and ceiling installations included

## FURTHER PRODUCT DETAILS



LN COMP Batten 1500 25 W 3000 K

\*Applies only to Linear Compact HO and Switch  
The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

## LINEAR COMPACT SWITCH

Compact single or light line luminaire with switch



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
LN COMP SWITCH 300 4 W 3000 K	4058075106079	1 x 9W FL	4	400	100	3000	50000	140	313 x 28 x 36
LN COMP SWITCH 300 4 W 4000 K	4058075106093	1 x 9W FL	4	450	110	4000	50000	140	313 x 28 x 36
LN COMP SWITCH 600 8 W 3000 K	4058075106116	1 x 18W FL	8	800	100	3000	50000	140	573 x 28 x 36
LN COMP SWITCH 600 8 W 4000 K	4058075106130	1 x 18W FL	8	800	100	4000	50000	140	573 x 28 x 36
LN COMP SWITCH 900 12 W 3000 K	4058075106192	1 x 30W FL	12	1200	100	3000	50000	140	873 x 28 x 36
LN COMP SWITCH 900 12 W 4000 K	4058075106215	1 x 30W FL	12	1200	100	4000	50000	140	873 x 28 x 36
LN COMP SWITCH 1200 14 W 3000 K	4058075106154	1 x 36W FL	14	1400	100	3000	50000	140	1173 x 28 x 36
LN COMP SWITCH 1200 14 W 4000 K	4058075106178	1 x 36W FL	14	1500	100	4000	50000	140	1173 x 28 x 36
LN COMP SWITCH 1500 17W/3000K	4058075683341	1 x 36W FL	17	1800	106	3000	50000	140	1473 x 28 x 36
LN COMP SWITCH 1500 17W/4000K	4058075683365	1 x 36W FL	17	1900	112	4000	50000	140	1473 x 28 x 36

## LINEAR COMPACT HIGH OUTPUT

Compact single or light line luminaire with high luminous flux



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
LN COMP HO 600 10 W 3000 K	4058075106277	1 x 18W FL	10	1000	100	3000	50000	140	573 x 24 x 36
LN COMP HO 600 10 W 4000 K	4058075106291	1 x 18W FL	10	1000	100	4000	50000	140	573 x 24 x 36
LN COMP HO 900 15 W 3000 K	4058075106239	1 x 30W FL	15	1500	100	3000	50000	140	873 x 24 x 36
LN COMP HO 900 15 W 4000 K	4058075106253	1 x 30W FL	15	1500	100	4000	50000	140	873 x 24 x 36
LN COMP HO 1200 20 W 3000 K	4058075106314	1 x 36W FL	20	2000	100	3000	50000	140	1173 x 24 x 36
LN COMP HO 1200 20 W 4000 K	4058075106338	1 x 36W FL	20	2000	100	4000	50000	140	1173 x 24 x 36
LN COMP HO 1500 25 W 3000 K	4058075106352	1 x 58W FL	25	2500	100	3000	50000	140	1473 x 24 x 36
LN COMP HO 1500 25 W 4000 K	4058075106376	1 x 58W FL	25	2500	100	4000	50000	140	1473 x 24 x 36

## LINEAR COMPACT BATTEN

Compact luminaires with a wiring on the back side

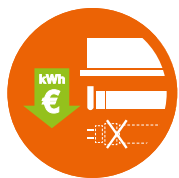


Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
LN COMP Batten 600 10 W 3000 K	4058075099692	1 x 18W FL	10	1000	100	3000	50000	140	575 x 27 x 38
LN COMP Batten 600 10 W 4000 K	4058075099715	1 x 18W FL	10	1000	100	4000	50000	140	575 x 27 x 38
LN COMP Batten 1200 20 W 3000 K	4058075099739	1 x 36W FL	20	2000	100	3000	50000	140	1175 x 27 x 38
LN COMP Batten 1200 20 W 4000 K	4058075099753	1 x 36W FL	20	2000	100	4000	50000	140	1175 x 27 x 38
LN COMP Batten 1500 25 W 3000 K	4058075099777	1 x 58W FL	25	2500	100	3000	50000	140	1475 x 27 x 38
LN COMP Batten 1500 25 W 4000 K	4058075099791	1 x 58W FL	25	2500	100	4000	50000	140	1475 x 27 x 38

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions | <sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)

# LINEAR MAGNETIC BATTEN T5 THE LUMINAIRE IN THE LUMINAIRE

Our portfolio of matching LED TUBE T5 AC find at: [ledvance.com/tubes](http://ledvance.com/tubes)



If the luminaire cannot be removed from the ceiling, or if the customer does not dare to do a **CONVERSION** due to CE-conformity constrains, then a “luminaire-in-a-luminaire” **UPGRADE** is the solution.

Make new from old: LINEAR MAGNETIC BATTEN T5 is an innovative luminaire-insert for easy LED modernization of existing T8 (or T5) fluorescent-lamp based, metallic luminaires.

The upgrade can be carried out in no time at all, as LINEAR MAGNETIC BATTEN T5 is simply installed into the original luminaire housing via strong magnets and connect via a tool-free CONNECTOR BOX.

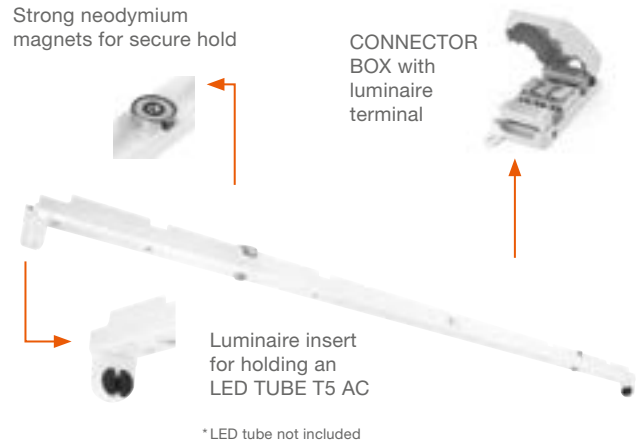
As a major benefit, the interior of the original luminaire remains mostly untouched, and even dismantling the existing luminaire from the ceiling can often be avoided.

As a perfect match, our extensive LEDVANCE LED TUBE T5 AC range is available as suitable light source family, providing the right lumen amount and light color for a wide range of applications.

## FLEXIBLE AND EASY UPGRADE

Strong neodymium magnets for secure hold

CONNECTOR BOX with luminaire terminal



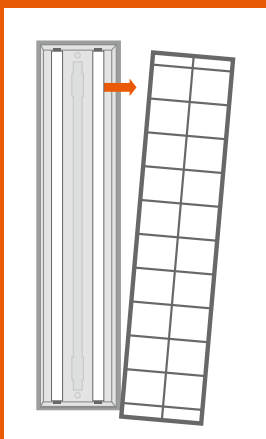
\* LED tube not included

## TOOL-FREE CONNECTION

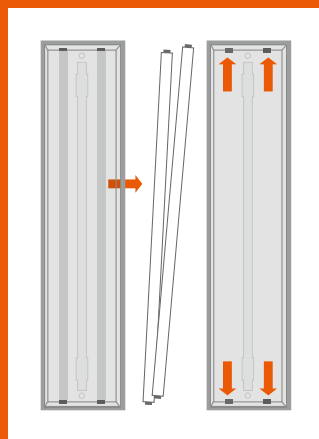
The electrical connection of the LINEAR MAGNETIC BATTEN T5 is also easy and time-saving. Thanks to the key terminal in the CONNECTOR BOX, the luminaire insert can be easily wired without tools.



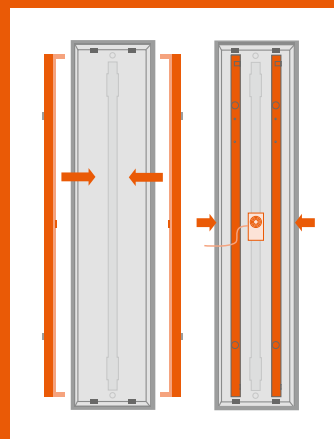
## EXTREMELY EASY: INSTALLATION



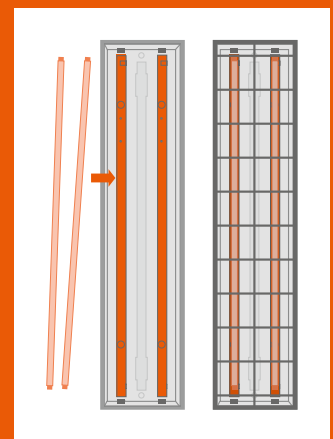
Remove louver from the luminaire



Remove old T8 fluorescent tube and disconnect power on the luminaire terminal



Insert LINEAR MAGNETIC BATTEN T5 with the help of the magnetic attachment and connect to power supply using the tool-free CONNECTOR BOX



Insert new LED TUBE T5 AC and louver. Done!

## LINEAR MAGNETIC BATTEN T5

Luminaire-insert for upgrading existing metallic ceiling luminaires (T8 and T5 fluorescent) to energy-saving LED technology



### PRODUCT FEATURES

- Available in 4 lengths 568, 868, 1168, 1468 mm
- Luminaire-insert for accommodating a LED TUBE T5 AC 230 V
- Suitable for LED TUBE T5 AC, HE or HO, 830/840/865
- Strong Neodym-Magnets
- Connector Box 3-pole included

### PRODUCT BENEFITS

- Upgrade without complete replacement of existing luminaires
- The old luminaires may remain installed on the ceiling during the upgrade process
- Control gear and wiring may remain in the old luminaire
- The easy replacement of the LED TUBE T5 AC allows you to participate in the progress of LED-technology over time
- Quick and easy upgrade solution

### AREAS OF APPLICATION

- Offices and public buildings
- Supermarkets and department stores
- Industry
- Hallways, foyers, waiting areas



Product name	EAN (GTIN)	L x W x H [mm] Ø x H [mm]	Suitable lamp (not included)	MATERIAL	COLOR
LN MAG BATTEN T5 568	4099854009723	568 x 25 x 45	LED TUBE T5 AC HE14 549 8W (830/840/865) LED TUBE T5 AC HO24 549 10W (830/840/865)	Steel	White
LN MAG BATTEN T5 868	4058075821798	868 x 25 x 45	LED TUBE T5 AC HE21 849 10W (830/840/865) LED TUBE T5 AC HO39 849 16W (830/840/865)	Steel	White
LN MAG BATTEN T5 1168	4099854009747	1168 x 25 x 45	LED TUBE T5 AC HE28 1149 16W (830/840/865) LED TUBE T5 AC HO54 1149 26W (830/840/865)	Steel	White
LN MAG BATTEN T5 1468	4099854009761	1468 x 25 x 45	LED TUBE T5 AC HE35 1449 18W (830/840/865) LED TUBE T5 AC HO49 1449 26W (830/840/865) LED TUBE T5 AC HO80 1449 36W (830/840/865)	Steel	White

### LUMINAIRE AND LAMP FROM A SINGLE SOURCE

The LINEAR MAGNETIC BATTEN T5 does not come with an LED tube.  
The LED TUBE T5 AC is a perfect match and is also available from LEDVANCE.

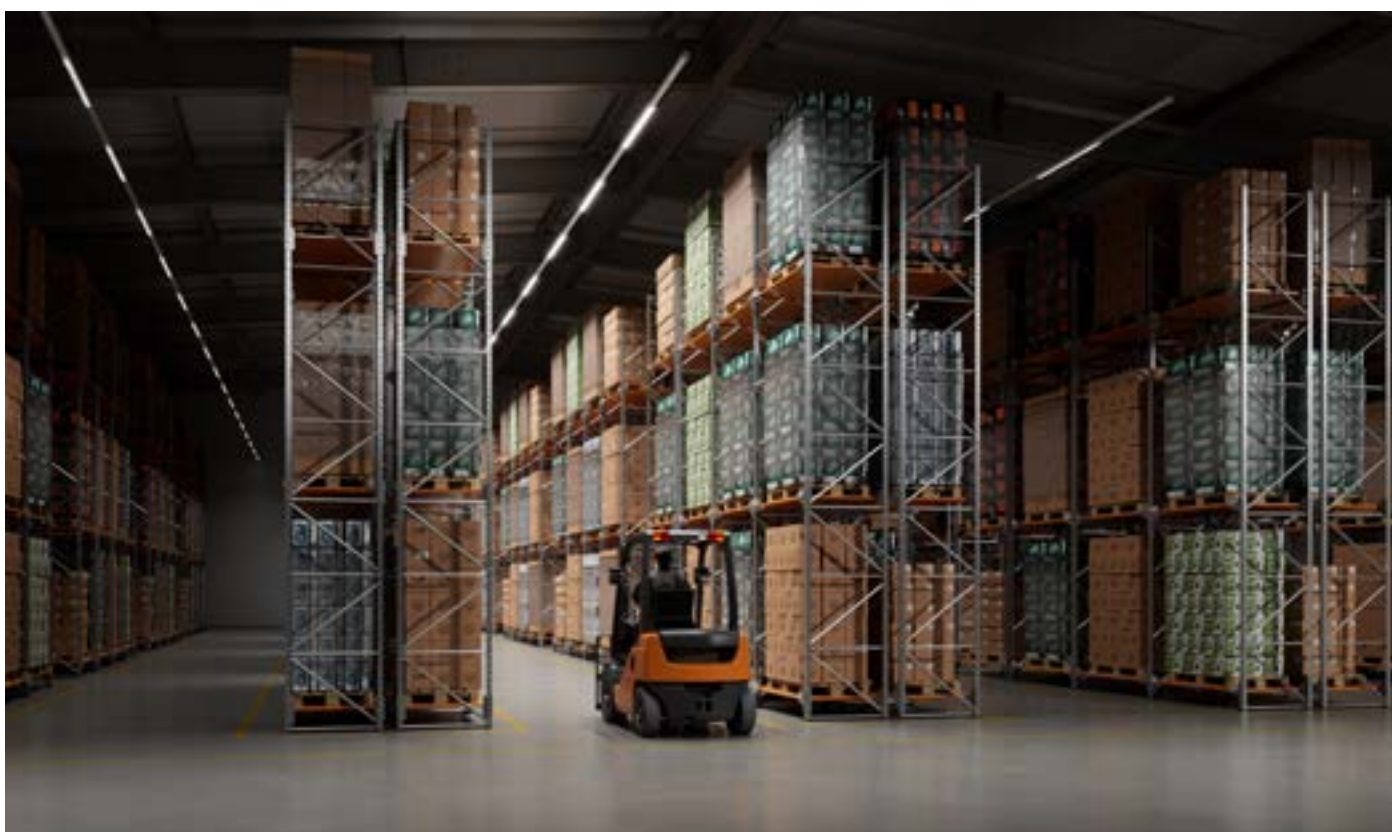
Find out more about the LEDVANCE LED TUBE T5 AC  
at [ledvance.com/tubes](http://ledvance.com/tubes)



<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

# TRUNKING SYSTEMS

## TRUSYS FLEX



### TRUSYS FLEX



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- TRUSYS FLEX ON/OFF
- TRUSYS FLEX DALI
- TRUSYS FLEX EM
- TRUSYS FLEX ENERGY RAIL
- TRUSYS FLEX ACCESSORIES



PERFORMANCE CLASS

#### APPLICATIONS

▶ Flexible from shop lighting to industrial applications, warehouses, factories, workshops

#### AVAILABLE OPTIONS

▶ 4000 K, Tracklight Spots, opal lens  
**NEW: 6500 K light color**

#### AVAILABLE LUMEN VALUES

▶ 6000, 8600, 12100 lm  
(up to 175 lm/W) allow use in different heights

#### DESIGN

▶ Modern, simple, functional design, attractive white housing

#### BEAM ANGLE

▶ Very wide (VW): 120°, wide (W): 90°, narrow (N): 60°, very narrow (VN): 30°, double symmetric (DS): 2 x 30°  
**NEW: Wall washer (WW): 45° beam angle**

#### INSTALLATION

▶ Very simple and time-saving installation thanks to tool-free "Click & Place" system



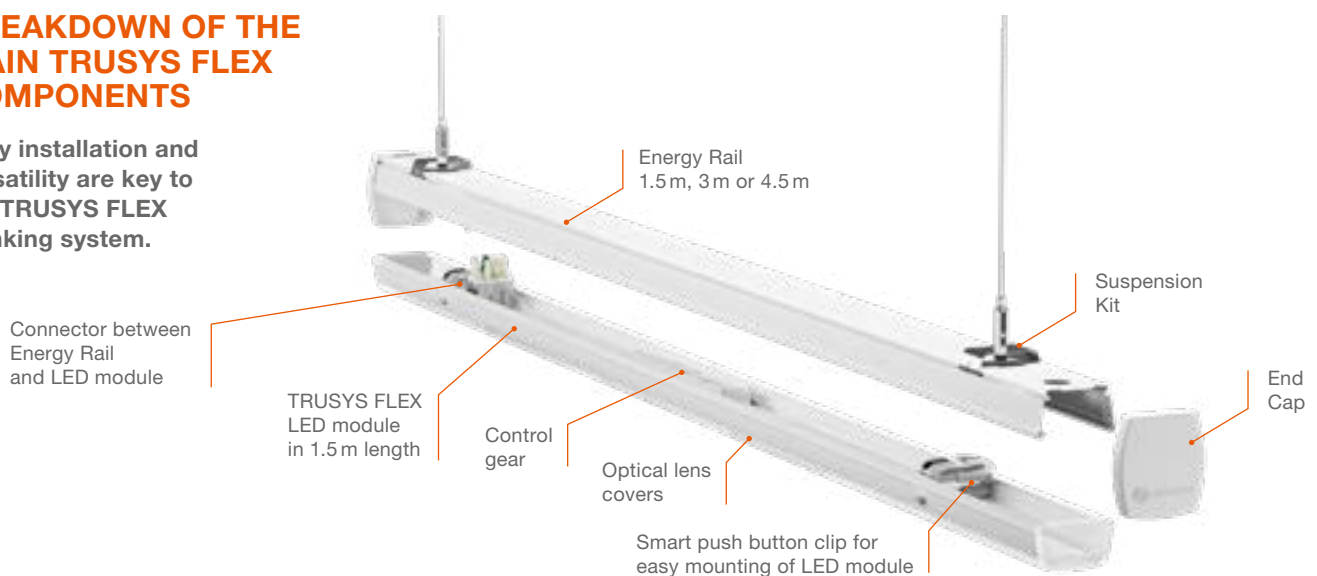


# EXTREMELY EFFICIENT AND VERSATILE FOR DIFFERENT APPLICATION REQUIREMENTS

The TRUSYS FLEX trunking system is a real problem solver when it comes to requiring a highly efficient continuous-row lighting system. Numerous mounting and configuration options are possible thanks to the wide range of different components that can be assembled according to the needs of your specific application.

## BREAKDOWN OF THE MAIN TRUSYS FLEX COMPONENTS

Easy installation and versatility are key to the TRUSYS FLEX trunking system.



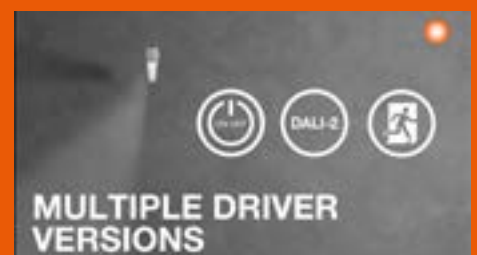
## FLEXIBLE THROUGH INSERTS



Separately available adapter insert allows integration of TRACKLIGHT SPOTS into the trunking system – coming soon.

## WOULD YOU LIKE MORE INFORMATION?

Just scan this QR code and check out: [ledvance.com/trusysflex-video](http://ledvance.com/trusysflex-video)





# TRUSYS FLEX

Efficient trunking system for a wide range of applications



## PRODUCT FEATURES

- Sheet steel housing, lens material: PMMA
- Lifetime (L80/B50): up to 89 000 h (at 25 °C)
- Fixed luminaire taps
- Click into place solution with smart click buttons
- Versions with DALI ECG or emergency lighting function (built-in 3 h battery) available

## PRODUCT BENEFITS

- Economical thanks to high luminous efficacy of 175 lm/W
- Flexible application through a wide range of beam angles
- Easy and time saving installation, no tools required for connection
- New lens “Opal” with beam angle of 90°

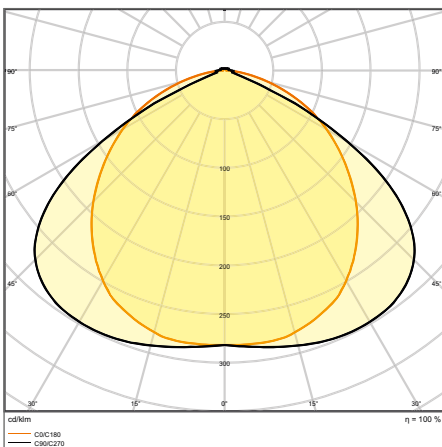
## AREAS OF APPLICATION

- Direct replacement for luminaires with fluorescent lamps
- Industry halls, high rack warehouse, hardware stores
- Discounters, supermarkets

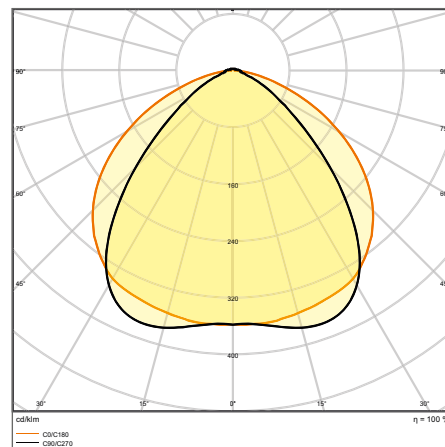
## EQUIPMENT / ACCESSORIES

- Mounting rail with fixed integrated 5- and 8-pole cable

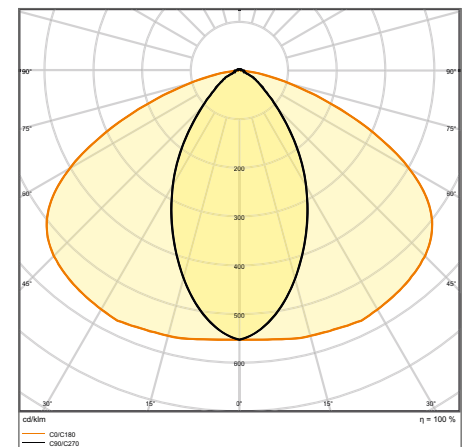
## FURTHER PRODUCT DETAILS



TRUSYS FLEX VW 70W 4000K

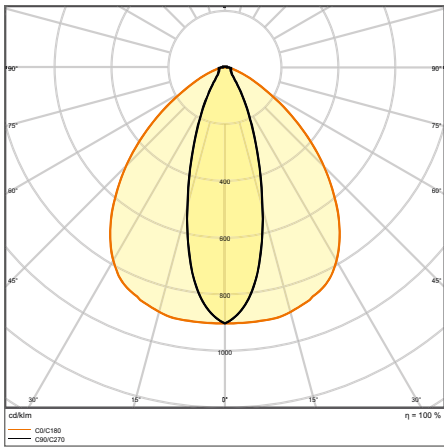


TRUSYS FLEX W 70W 4000K

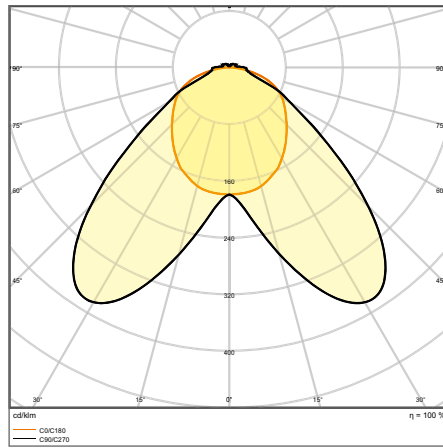


TRUSYS FLEX N 70W 4000K

FURTHER PRODUCT DETAILS



TRUSYS FLEX VN 70W 4000K



TRUSYS FLEX DS 70W 4000K

TRUSYS FLEX VERY WIDE

Luminaire inserts with very wide light distribution, up to 175 lm/W



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>3</sup>	△	⤵	L x W x H [mm] Ø x H [mm]
TRUSYS FLEX P 35W 840 VW CL WT	4058075771017	2 x 49W FL	35	6000	175	4000	100000	120	—	1500 x 77.7 x 39.4
<b>NEW</b> TRUSYS FLEX P 35W 865 VW CL WT	4099854190490	2 x 49W FL	35	6000	175	6500	100000	120	—	1500 x 77.7 x 39.4
TRUSYS FLEX P 50W 840 VW CL WT	4058075771444	2 x 80W FL	50	8600	175	4000	100000	120	—	1500 x 77.7 x 39.4
<b>NEW</b> TRUSYS FLEX P 50W 865 VW CL WT	4099854190650	2 x 80W FL	50	8600	175	6500	100000	120	—	1500 x 77.7 x 39.4
TRUSYS FLEX P 70W 840 VW CL WT	4058075771840	3 x 80W FL	70	12100	175	4000	100000	120	—	1500 x 77.7 x 39.4
<b>NEW</b> TRUSYS FLEX P 70W 865 VW CL WT	4099854190810	3 x 80W FL	70	12100	175	6500	100000	120	—	1500 x 77.7 x 39.4
TRUSYS FLEX P 35W 840 VW CL WT DALI	4058075770799	2 x 49W FL	35	5700	175	4000	100000	120	DALI-2	1500 x 77.7 x 39.4
<b>NEW</b> TRUSYS FLEX P 35W 865 VW CL WT DALI	4099854191039	2 x 49W FL	35	5700	165	6500	100000	120	DALI-2	1500 x 77.7 x 39.4
TRUSYS FLEX P 50W 840 VW CL WT DALI	4058075770911	2 x 80W FL	50	8600	175	4000	100000	120	DALI-2	1500 x 77.7 x 39.4
<b>NEW</b> TRUSYS FLEX P 50W 865 VW CL WT DALI	4099854191190	2 x 80W FL	50	8600	175	6500	100000	120	DALI-2	1500 x 77.7 x 39.4
TRUSYS FLEX P 70W 840 VW CL WT DALI	4058075771055	3 x 80W FL	70	12100	175	4000	100000	120	DALI-2	1500 x 77.7 x 39.4
<b>NEW</b> TRUSYS FLEX P 70W 865 VW CL WT DALI	4099854191459	3 x 80W FL	70	12100	175	6500	100000	120	DALI-2	1500 x 77.7 x 39.4

<sup>1</sup> Flicker value ≤ 10% for DALI versions

<sup>2</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>3</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)

### TRUSYS FLEX WIDE

Luminaire inserts with wide light distribution, up to 175 lm/W



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>3</sup>	Beam angle	Light distribution	L × W × H [mm] Ø × H [mm]
TRUSYS FLEX P 35W 840 W CL WT	4058075771093	2 × 49W FL	35	6000	175	4000	100000	90	—	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 35W 865 W CL WT	4099854190513	2 × 49W FL	35	6000	175	6500	100000	90	—	1500 × 77.7 × 39.4
TRUSYS FLEX P 50W 840 W CL WT	4058075771482	2 × 80W FL	50	8600	175	4000	100000	90	—	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 50W 865 W CL WT	4099854190674	2 × 80W FL	50	8600	175	6500	100000	90	—	1500 × 77.7 × 39.4
TRUSYS FLEX P 70W 840 W CL WT	4058075771864	3 × 80W FL	70	12100	175	4000	100000	90	—	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 70W 865 W CL WT	4099854190834	3 × 80W FL	70	12100	175	6500	100000	90	—	1500 × 77.7 × 39.4
TRUSYS FLEX P 35W 840 W CL WT DALI	4058075770812	2 × 49W FL	35	5800	175	4000	100000	90	DALI-2	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 35W 865 W CL WT DALI	4099854191053	2 × 49W FL	35	5800	170	6500	100000	90	DALI-2	1500 × 77.7 × 39.4
TRUSYS FLEX P 50W 840 W CL WT DALI	4058075770935	2 × 80W FL	50	8600	175	4000	100000	90	DALI-2	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 50W 865 W CL WT DALI	4099854191312	2 × 80W FL	50	8600	175	6500	100000	90	DALI-2	1500 × 77.7 × 39.4
TRUSYS FLEX P 70W 840 W CL WT DALI	4058075771079	3 × 80W FL	70	12100	175	4000	100000	90	DALI-2	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 70W 865 W CL WT DALI	4099854191473	3 × 80W FL	70	12100	175	6500	100000	90	DALI-2	1500 × 77.7 × 39.4

### TRUSYS FLEX WIDE OPAL

Luminaire inserts with wide light distribution and opal lens, up to 167 lm/W



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>3</sup>	Beam angle	Light distribution	L × W × H [mm] Ø × H [mm]
TRUSYS FLEX P 35W 840 W OP WT	4058075771406	2 × 49W FL	35	5800	167	4000	100000	90	—	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 35W 865 W OP WT	4099854190599	2 × 49W FL	35	5800	167	6500	100000	90	—	1500 × 77.7 × 39.4
TRUSYS FLEX P 50W 840 W OP WT	4058075771826	2 × 80W FL	50	8300	167	4000	100000	90	—	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 50W 865 W OP WT	4099854190759	2 × 80W FL	50	8300	167	6500	100000	90	—	1500 × 77.7 × 39.4
TRUSYS FLEX P 70W 840 W OP WT	4058075772090	3 × 80W FL	70	11700	167	4000	100000	90	—	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 70W 865 W OP WT	4099854190919	3 × 80W FL	70	11700	167	6500	100000	90	—	1500 × 77.7 × 39.4
TRUSYS FLEX P 35W 840 W OP WT DALI	4058075770898	2 × 49W FL	35	5600	167	4000	100000	90	DALI-2	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 35W 865 W OP WT DALI	4099854191138	2 × 49W FL	35	5600	160	6500	100000	90	DALI-2	1500 × 77.7 × 39.4
TRUSYS FLEX P 50W 840 W OP WT DALI	4058075771031	2 × 80W FL	50	8300	167	4000	100000	90	DALI-2	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 50W 865 W OP WT DALI	4099854191398	2 × 80W FL	50	8300	167	6500	100000	90	DALI-2	1500 × 77.7 × 39.4
TRUSYS FLEX P 70W 840 W OP WT DALI	4058075771901	3 × 80W FL	70	11700	167	4000	100000	90	DALI-2	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 70W 865 W OP WT DALI	4099854191558	3 × 80W FL	70	11700	167	6500	100000	90	DALI-2	1500 × 77.7 × 39.4

<sup>1</sup> Flicker value ≤ 10% for DALI versions

<sup>2</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>3</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)

## TRUSYS FLEX NARROW

Luminaire inserts with narrow light distribution, up to 175 lm/W



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>3</sup>	°	⤵	L × W × H [mm] Ø × H [mm]
TRUSYS FLEX P 35W 840 N CL WT	4058075771307	2 × 49W FL	35	6000	175	4000	100000	60	—	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 35W 865 N CL WT	4099854190537	2 × 49W FL	35	6000	175	6500	100000	60	—	1500 × 77.7 × 39.4
TRUSYS FLEX P 50W 840 N CL WT	4058075771574	2 × 80W FL	50	8600	175	4000	100000	60	—	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 50W 865 N CL WT	4099854190698	2 × 80W FL	50	8600	175	6500	100000	60	—	1500 × 77.7 × 39.4
TRUSYS FLEX P 70W 840 N CL WT	4058075771888	3 × 80W FL	70	12100	175	4000	100000	60	—	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 70W 865 N CL WT	4099854190858	3 × 80W FL	70	12100	175	6500	100000	60	—	1500 × 77.7 × 39.4
TRUSYS FLEX P 35W 840 N CL WT DALI	4058075770836	2 × 49W FL	35	5800	175	4000	100000	60	DALI-2	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 35W 865 N CL WT DALI	4099854191077	2 × 49W FL	35	5800	170	6500	100000	60	DALI-2	1500 × 77.7 × 39.4
TRUSYS FLEX P 50W 840 N CL WT DALI	4058075770959	2 × 80W FL	50	8600	175	4000	100000	60	DALI-2	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 50W 865 N CL WT DALI	4099854191336	2 × 80W FL	50	8600	175	6500	100000	60	DALI-2	1500 × 77.7 × 39.4
TRUSYS FLEX P 70W 840 N CL WT DALI	4058075771116	3 × 80W FL	70	12100	175	4000	100000	60	DALI-2	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 70W 865 N CL WT DALI	4099854191497	3 × 80W FL	70	12100	175	6500	100000	60	DALI-2	1500 × 77.7 × 39.4

## TRUSYS FLEX VERY NARROW

Luminaire inserts with very narrow light distribution, up to 175 lm/W



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>3</sup>	°	⤵	L × W × H [mm] Ø × H [mm]
TRUSYS FLEX P 35W 840 VN CL WT	4058075771345	2 × 49W FL	35	6000	175	4000	100000	30	—	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 35W 865 VN CL WT	4099854190551	2 × 49W FL	35	6000	175	6500	100000	30	—	1500 × 77.7 × 39.4
TRUSYS FLEX P 50W 840 VN CL WT	4058075771604	2 × 80W FL	50	8600	175	4000	100000	30	—	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 50W 865 VN CL WT	4099854190711	2 × 80W FL	50	8600	175	6500	100000	30	—	1500 × 77.7 × 39.4
TRUSYS FLEX P 70W 840 VN CL WT	4058075771925	3 × 80W FL	70	12100	175	4000	100000	30	—	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 70W 865 VN CL WT	4099854190872	3 × 80W FL	70	12100	175	6500	100000	30	—	1500 × 77.7 × 39.4
TRUSYS FLEX P 35W 840 VN CL WT DALI	4058075770850	2 × 49W FL	35	5800	175	4000	100000	30	DALI-2	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 35W 865 VN CL WT DALI	4099854191091	2 × 49W FL	35	5800	170	6500	100000	30	DALI-2	1500 × 77.7 × 39.4
TRUSYS FLEX P 50W 840 VN CL WT DALI	4058075770973	2 × 80W FL	50	8600	175	4000	100000	30	DALI-2	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 50W 865 VN CL WT DALI	4099854191350	2 × 80W FL	50	8600	175	6500	100000	30	DALI-2	1500 × 77.7 × 39.4
TRUSYS FLEX P 70W 840 VN CL WT DALI	4058075771130	3 × 80W FL	70	12100	175	4000	100000	30	DALI-2	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 70W 865 VN CL WT DALI	4099854191510	3 × 80W FL	70	12100	175	6500	100000	30	DALI-2	1500 × 77.7 × 39.4

<sup>1</sup> Flicker value ≤ 10% for DALI versions

<sup>2</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>3</sup> t[h]: L70/B50 @ 25°C (T<sub>a</sub>)/t[h]: L80/B10 @ 25°C (T<sub>a</sub>)

## TRUSYS FLEX DOUBLE SYMMETRIC

Luminaire inserts with double symmetric light distribution, up to 175 lm/W



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>3</sup>	Beam angle	Beam spread	L × W × H [mm] ∅ × H [mm]
TRUSYS FLEX P 35W 840 DS CL WT	4058075771383	2 × 49W FL	35	6000	175	4000	100000	2 × 30	—	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 35W 865 DS CL WT	4099854190575	2 × 49W FL	35	6000	175	6500	100000	2 × 30	—	1500 × 77.7 × 39.4
TRUSYS FLEX P 50W 840 DS CL WT	4058075771802	2 × 80W FL	50	8600	175	4000	100000	2 × 30	—	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 50W 865 DS CL WT	4099854190735	2 × 80W FL	50	8600	175	6500	100000	2 × 30	—	1500 × 77.7 × 39.4
TRUSYS FLEX P 70W 840 DS CL WT	4058075771994	3 × 80W FL	70	12100	175	4000	100000	2 × 30	—	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 70W 865 DS CL WT	4099854190896	3 × 80W FL	70	12100	175	6500	100000	2 × 30	—	1500 × 77.7 × 39.4
TRUSYS FLEX P 35W 840 DS CL WT DALI	4058075770874	2 × 49W FL	35	5700	175	4000	100000	2 × 30	DALI-2	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 35W 865 DS CL WT DALI	4099854191114	2 × 49W FL	35	5700	165	6500	100000	2 × 30	DALI-2	1500 × 77.7 × 39.4
TRUSYS FLEX P 50W 840 DS CL WT DALI	4058075770997	2 × 80W FL	50	8600	175	4000	100000	2 × 30	DALI-2	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 50W 865 DS CL WT DALI	4099854191374	2 × 80W FL	50	8600	175	6500	100000	2 × 30	DALI-2	1500 × 77.7 × 39.4
TRUSYS FLEX P 70W 840 DS CL WT DALI	4058075771154	3 × 80W FL	70	12100	175	4000	100000	2 × 30	DALI-2	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 70W 865 DS CL WT DALI	4099854191534	3 × 80W FL	70	12100	175	6500	100000	2 × 30	DALI-2	1500 × 77.7 × 39.4

## TRUSYS FLEX WALLWASHER

Luminaire inserts with asymmetric wallwasher light distribution, up to 175 lm/W



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>3</sup>	Beam angle	Beam spread	L × W × H [mm] ∅ × H [mm]
<b>NEW</b> TRUSYS FLEX P 35W 840 WW CL WT	4099854190636	2 × 49W FL	35	6000	175	4000	100000	45	—	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 35W 865 WW CL WT	4099854190612	2 × 49W FL	35	6000	175	6500	100000	45	—	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 50W 840 WW CL WT	4099854190797	2 × 80W FL	50	8600	175	4000	100000	45	—	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 50W 865 WW CL WT	4099854190773	2 × 80W FL	50	8600	175	6500	100000	45	—	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 70W 840 WW CL WT	4099854190957	3 × 80W FL	70	12100	175	4000	100000	45	—	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 70W 865 WW CL WT	4099854190933	3 × 80W FL	70	12100	175	6500	100000	45	—	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 35W 840 WW CL WT DALI	4099854191176	2 × 49W FL	35	5700	165	4000	100000	45	DALI-2	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 35W 865 WW CL WT DALI	4099854191152	2 × 49W FL	35	5700	165	6500	100000	45	DALI-2	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 50W 840 WW CL WT DALI	4099854191435	2 × 80W FL	50	8600	175	4000	100000	45	DALI-2	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 50W 865 WW CL WT DALI	4099854191411	2 × 80W FL	50	8600	175	6500	100000	45	DALI-2	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 70W 840 WW CL WT DALI	4099854191596	3 × 80W FL	70	12100	175	4000	100000	45	DALI-2	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 70W 865 WW CL WT DALI	4099854191572	3 × 80W FL	70	12100	175	6500	100000	45	DALI-2	1500 × 77.7 × 39.4

<sup>1</sup> Flicker value ≤ 10% for DALI versions

<sup>2</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>3</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)

## TRUSYS FLEX EMERGENCY VERY WIDE

Luminaire inserts with very wide light distribution for standard and emergency lighting, up to 175 lm/W

PERFORMANCE CLASS

FLICKER VALUE  
≤ 5%CRI  
≥ 80

IP 40

LEDVANCE<sup>1</sup>  
3 year guarantee

Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
TRUSYS FLEX P 35W 840 VW CL WT EM	4058075772878	2 x 49W FL	35	6000	175	4000	100000	120	1500 x 77.7 x 39.4
NEW TRUSYS FLEX P 35W 865 VW CL WT EM	4099854191619	2 x 49W FL	35	6000	175	6500	100000	120	1500 x 77.7 x 39.4
TRUSYS FLEX P 50W 840 VW CL WT EM	4058075773004	2 x 80W FL	50	8600	175	4000	100000	120	1500 x 77.7 x 39.4
NEW TRUSYS FLEX P 50W 865 VW CL WT EM	4099854191770	2 x 80W FL	50	8600	175	6500	100000	120	1500 x 77.7 x 39.4
TRUSYS FLEX P 70W 840 VW CL WT EM	4058075773219	3 x 80W FL	70	12100	175	4000	100000	120	1500 x 77.7 x 39.4
NEW TRUSYS FLEX P 70W 865 VW CL WT EM	4099854190414	3 x 80W FL	70	12100	175	6500	100000	120	1500 x 77.7 x 39.4

## TRUSYS FLEX EMERGENCY WIDE

Luminaire inserts with wide light distribution for standard and emergency lighting, up to 175 lm/W

PERFORMANCE CLASS

FLICKER VALUE  
≤ 5%CRI  
≥ 80

IP 40

LEDVANCE<sup>1</sup>  
3 year guarantee

Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
TRUSYS FLEX P 35W 840 W CL WT EM	4058075772892	2 x 49W FL	35	6000	175	4000	100000	90	1500 x 77.7 x 39.4
NEW TRUSYS FLEX P 35W 865 W CL WT EM	4099854191633	2 x 49W FL	35	6000	175	6500	100000	90	1500 x 77.7 x 39.4
TRUSYS FLEX P 50W 840 W CL WT EM	4058075773103	2 x 80W FL	50	8600	175	4000	100000	90	1500 x 77.7 x 39.4
NEW TRUSYS FLEX P 50W 865 W CL WT EM	4099854191794	2 x 80W FL	50	8600	175	6500	100000	90	1500 x 77.7 x 39.4
TRUSYS FLEX P 70W 840 W CL WT EM	4058075773233	3 x 80W FL	70	12100	175	4000	100000	90	1500 x 77.7 x 39.4
NEW TRUSYS FLEX P 70W 865 W CL WT EM	4099854191930	3 x 80W FL	70	12100	175	6500	100000	90	1500 x 77.7 x 39.4

## TRUSYS FLEX EMERGENCY WIDE OPAL

Luminaire inserts with wide light distribution for standard and emergency lighting, with opal lense, up to 167 lm/W

PERFORMANCE CLASS

FLICKER VALUE  
≤ 5%CRI  
≥ 80

IP 40

LEDVANCE<sup>1</sup>  
3 year guarantee








Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
TRUSYS FLEX P 35W 840 W OP WT EM	4058075772977	2 x 49W FL	35	5800	167	4000	100000	90	1500 x 77.7 x 39.4
NEW TRUSYS FLEX P 35W 865 W OP WT EM	4099854191718	2 x 49W FL	35	5800	167	6500	100000	90	1500 x 77.7 x 39.4
TRUSYS FLEX P 50W 840 W OP WT EM	4058075773189	2 x 80W FL	50	8300	167	4000	100000	90	1500 x 77.7 x 39.4
NEW TRUSYS FLEX P 50W 865 W OP WT EM	4099854191879	2 x 80W FL	50	8300	167	6500	100000	90	1500 x 77.7 x 39.4
TRUSYS FLEX P 70W 840 W OP WT EM	4058075773318	3 x 80W FL	70	11700	167	4000	100000	90	1500 x 77.7 x 39.4
NEW TRUSYS FLEX P 70W 865 W OP WT EM	4099854192012	3 x 80W FL	70	11700	167	6500	100000	90	1500 x 77.7 x 39.4

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25°C (T<sub>a</sub>)/t[h]; L80/B10 @ 25°C (T<sub>a</sub>)











### TRUSYS FLEX EMERGENCY NARROW

Luminaire inserts with narrow light distribution for standard and emergency lighting, up to 175 lm/W

Product name	EAN (GTIN)	Replacement for	      							L × W × H [mm] Ø × H [mm]
			W	lm	lm/W	K	L70 <sup>2</sup>			
TRUSYS FLEX P 35W 840 N CL WT EM	4058075772915	2 × 49W FL	35	6000	175	4000	100000	60	1500 × 77.7 × 39.4	
<b>NEW</b> TRUSYS FLEX P 35W 865 N CL WT EM	4099854191657	2 × 49W FL	35	6000	175	6500	100000	60	1500 × 77.7 × 39.4	
TRUSYS FLEX P 50W 840 N CL WT EM	4058075773127	2 × 80W FL	50	8600	175	4000	100000	60	1500 × 77.7 × 39.4	
<b>NEW</b> TRUSYS FLEX P 50W 865 N CL WT EM	4099854191817	2 × 80W FL	50	8600	175	6500	100000	60	1500 × 77.7 × 39.4	
TRUSYS FLEX P 70W 840 N CL WT EM	4058075773257	3 × 80W FL	70	12100	175	4000	100000	60	1500 × 77.7 × 39.4	
<b>NEW</b> TRUSYS FLEX P 70W 865 N CL WT EM	4099854191954	3 × 80W FL	70	12100	175	6500	100000	60	1500 × 77.7 × 39.4	









### TRUSYS FLEX EMERGENCY VERY NARROW

Luminaire inserts with very narrow light distribution for standard and emergency lighting, up to 175 lm/W

Product name	EAN (GTIN)	Replacement for	      							L × W × H [mm] Ø × H [mm]
			W	lm	lm/W	K	L70 <sup>2</sup>			
TRUSYS FLEX P 35W 840 VN CL WT EM	4058075772939	2 × 49W FL	35	6000	175	4000	100000	30	1500 × 77.7 × 39.4	
<b>NEW</b> TRUSYS FLEX P 35W 865 VN CL WT EM	4099854191671	2 × 49W FL	35	6000	175	6500	100000	30	1500 × 77.7 × 39.4	
TRUSYS FLEX P 50W 840 VN CL WT EM	4058075773141	2 × 80W FL	50	8600	175	4000	100000	30	1500 × 77.7 × 39.4	
<b>NEW</b> TRUSYS FLEX P 50W 865 VN CL WT EM	4099854191831	2 × 80W FL	50	8600	175	6500	100000	30	1500 × 77.7 × 39.4	
TRUSYS FLEX P 70W 840 VN CL WT EM	4058075773271	3 × 80W FL	70	12100	175	4000	100000	30	1500 × 77.7 × 39.4	
<b>NEW</b> TRUSYS FLEX P 70W 865 VN CL WT EM	4099854191978	3 × 80W FL	70	12100	175	6500	100000	30	1500 × 77.7 × 39.4	

### TRUSYS FLEX EMERGENCY DOUBLE ASYMMETRIC

Luminaire inserts with double asymmetric light distribution for standard and emergency lighting, up to 175 lm/W

Product name	EAN (GTIN)	Replacement for	      							L × W × H [mm] Ø × H [mm]
			W	lm	lm/W	K	L70 <sup>2</sup>			
TRUSYS FLEX P 35W 840 DS CL WT EM	4058075772953	2 × 49W FL	35	6000	175	4000	100000	2 × 30	1500 × 77.7 × 39.4	
<b>NEW</b> TRUSYS FLEX P 35W 865 DS CL WT EM	4099854191695	2 × 49W FL	35	6000	175	6500	100000	2 × 30	1500 × 77.7 × 39.4	
TRUSYS FLEX P 50W 840 DS CL WT EM	4058075773165	2 × 80W FL	50	8600	175	4000	100000	2 × 30	1500 × 77.7 × 39.4	
<b>NEW</b> TRUSYS FLEX P 50W 865 DS CL WT EM	4099854191855	2 × 80W FL	50	8600	175	6500	100000	2 × 30	1500 × 77.7 × 39.4	
TRUSYS FLEX P 70W 840 DS CL WT EM	4058075773295	3 × 80W FL	70	12100	175	4000	100000	2 × 30	1500 × 77.7 × 39.4	
<b>NEW</b> TRUSYS FLEX P 70W 865 DS CL WT EM	4099854191992	3 × 80W FL	70	12100	175	6500	100000	2 × 30	1500 × 77.7 × 39.4	

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)

## TRUSYS FLEX EMERGENCY WALLWASHER

Luminaire inserts with asymmetric wallwasher light distribution for standard and emergency lighting, up to 175 lm/W

PERFORMANCE CLASS



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>		L × W × H [mm] Ø × H [mm]
<b>NEW</b> TRUSYS FLEX P 35W 840 WW CL WT EM	4099854191756	2 × 49W FL	35	6000	175	4000	100000	45	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 35W 865 WW CL WT EM	4099854191732	2 × 49W FL	35	6000	175	6500	100000	45	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 50W 840 WW CL WT EM	4099854191916	2 × 80W FL	50	8600	175	4000	100000	45	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 50W 865 WW CL WT EM	4099854191893	2 × 80W FL	50	8600	175	6500	100000	45	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 70W 840 WW CL WT EM	4099854192050	3 × 80W FL	70	12100	175	4000	100000	45	1500 × 77.7 × 39.4
<b>NEW</b> TRUSYS FLEX P 70W 865 WW CL WT EM	4099854192036	3 × 80W FL	70	12100	175	6500	100000	45	1500 × 77.7 × 39.4

## EMERGENCY LIGHTING PROPERTIES

Product name	Battery life in emergency operation mode	Type of emergency operation test	Type of emergency light operation	Luminous flux in emergency operation mode	Type of Battery
VALID FOR ALL TRUSYS FLEX EMERGENCY TYPES	3 h	Automatic	Maintained/Non-maintained	740 lm	LiFePO4

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)

# TRUSYS FLEX ENERGY RAIL 5-POLE

Trunking system 5-pole mounting energy rail



## PRODUCT FEATURES

- Through-wired with 5-core cable
- Different lengths available
- Electrical connection internal at the first luminaire, no external connection unit required
- Steel-sheet housing
- End rail without electrical and mechanical connectors

## PRODUCT BENEFITS

- Simple installation
- High flexibility thanks to two available lengths (1 500 mm, 3 000 mm, 4 500 mm and 1 500 mm end rail)

## AREAS OF APPLICATION

- Industry halls, high rack warehouse, hardware stores

## EQUIPMENT / ACCESSORIES

- Various accessories available as an optional accessory

PERFOR-  
MANCE  
CLASS



Product name	EAN (GTIN)	L x W x H [mm] Ø x H [mm]	MATERIAL	COLOR
TRUSYS FLEX P RAIL 1500 5P WT	4058075781672	1650 x 70.2 x 38.8	Steel	White
TRUSYS FLEX P RAIL 1500 5P END WT	4058075781733	1500 x 70.2 x 38.8	Steel	White
TRUSYS FLEX P RAIL 3000 5P WT	4058075781757	3150 x 70.2 x 38.8	Steel	White
TRUSYS FLEX P RAIL 4500 5P WT	4058075793156	4650 x 70.2 x 38.8	Steel	White

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

# TRUSYS FLEX ENERGY RAIL 8-POLE

Trunking system 8-pole mounting energy rail



## PRODUCT FEATURES

- Through-wired with 8-core cable
- Different lengths available
- Electrical connection internal at the first luminaire, no external connection unit required
- Steel-sheet housing
- End rail without electrical and mechanical connectors

## PRODUCT BENEFITS

- Simple installation
- High flexibility thanks to two available lengths (1 500 mm, 3 000 mm, 4 500 mm and 1 500 mm end rail)

## AREAS OF APPLICATION

- Industry halls, high rack warehouse, hardware stores

## EQUIPMENT / ACCESSORIES

- Various accessories available as an optional accessory

PERFOR-  
MANCE  
CLASS



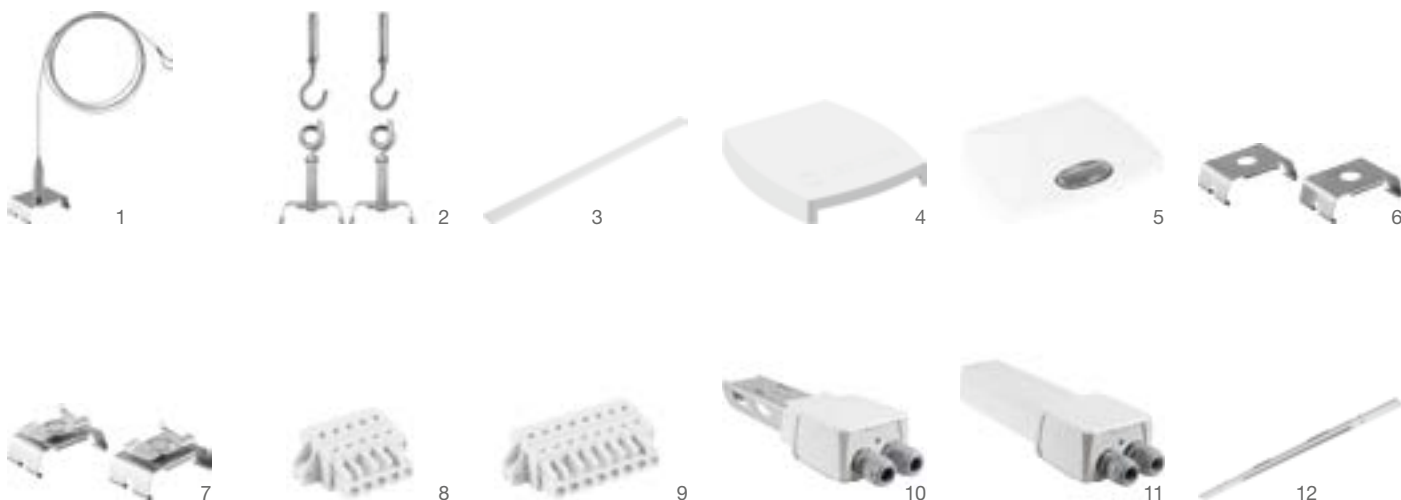
Product name	EAN (GTIN)	L x W x H [mm] Ø x H [mm]	MATERIAL	COLOR
TRUSYS FLEX P RAIL 1500 8P WT	4058075781696	1650 x 70.2 x 38.8	Steel	White
TRUSYS FLEX P RAIL 1500 8P END WT	4058075781719	1500 x 70.2 x 38.8	Steel	White
TRUSYS FLEX P RAIL 3000 8P WT	4058075781771	3150 x 70.2 x 38.8	Steel	White
TRUSYS FLEX P RAIL 4500 8P WT	4058075793170	4650 x 70.2 x 38.8	Steel	White

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

## TRUSYS FLEX ACCESSORIES

Trunking system accessories 



- Suspension Kit: for mounting rail, set of two adjustable suspension systems
- Chain Kit: set of two mounting brackets and chain hooks
- Blind cover: cover for the mounting rail sections without mounted luminaire, including optional side covers for luminaire inserts
- End Cap Energy rail: clickable endcap for the mounting rail
- Surface Clip: set of two mounting clips
- Grid Ceiling Clip: mounting clip for surface mounting on grid ceilings
- Feed-in Connector: feed-in 5- and 8-poles connector
- Feed-in Box: connector box 5- and 8-pole
- Feed-out Box: connector box 5- and 8-pole
- Spot Track 1500: 150 cm insert with a 90 cm track rail in powergear layout, suitable for LEDVANCE Trackspots, up to 3 track spots can be installed



Product name	EAN (GTIN)	L x W x H [mm] Ø x H [mm]	MATERIAL	COLOR	No.
TRUSYS FLEX SUSPENSION KIT	4058075781795	58 x 35 x 65	Steel	Silver	1
TRUSYS FLEX CHAIN KIT	4058075781818	90 x 28 x 10	Steel	Silver	2
TRUSYS FLEX BLIND COVER WT	4058118270828	1500 x 70 x 21	Polycarbonate (PC)	White	3
TRUSYS FLEX END CAP RAIL WT	4058075781856	78 x 72 x 19	Polycarbonate (PC)	White	4
TRUSYS FLEX END CAP LOW RAIL WT	4058075781870	57 x 72 x 19	Polycarbonate (PC)	White	5
TRUSYS FLEX SURFACE CLIP	4058075781894	57 x 35 x 18	Steel	Silver	6
TRUSYS FLEX GRID CEILING CLIP	4058075781917	57 x 35 x 26	Steel	Silver	7
TRUSYS FLEX FEED IN 5P	4058075781931	39 x 27 x 14	Polyamid (PA)	White	8
TRUSYS FLEX FEED IN 8P	4058075781955	54 x 27 x 14	Polyamid (PA)	White	9
TRUSYS FLEX FEED IN BOX 5P WT	4058075781979	272 x 92 x 58	Steel/Polycarbonate (PC)	White	10
TRUSYS FLEX FEED IN BOX 8P WT	4058075781993	27 x 92 x 582	Steel/Polycarbonate (PC)	White	10
TRUSYS FLEX FEED OUT BOX 5P WT	4058075782013	296 x 92 x 58	Steel/Polycarbonate (PC)	White	11
TRUSYS FLEX FEED OUT BOX 8P WT	4058075782037	296 x 92 x 58	Steel/Polycarbonate (PC)	White	11
TRUSYS FLEX SPOT TRACK 1500 WT	4058075782051	1500 x 70 x 15.2	Aluminum	White	12

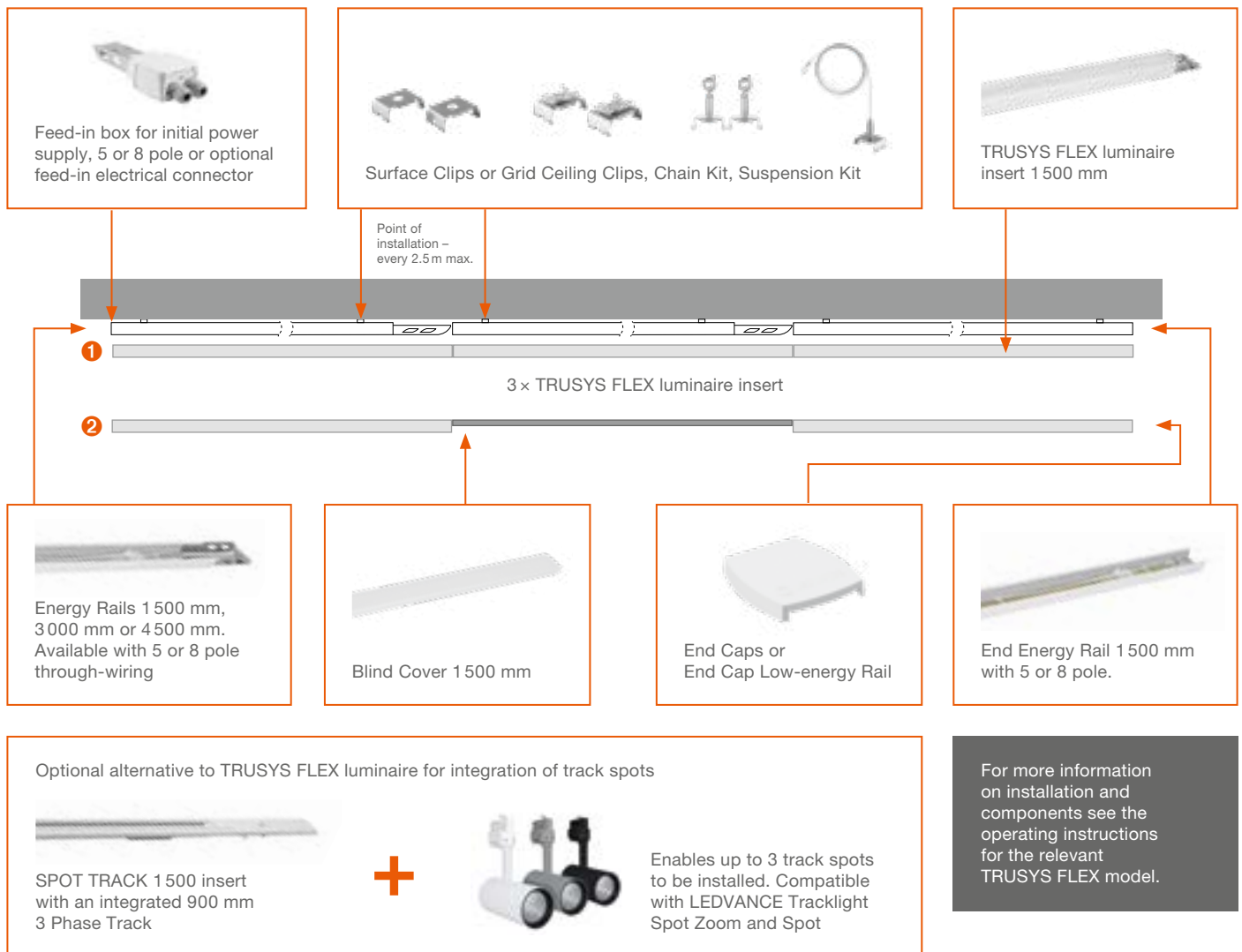
<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

# OUR CHECKLIST FOR YOUR PERFECT TRUSYS FLEX SOLUTION

**Example installation:** So you can install a tailor-made TRUSYS FLEX lighting system for your customers we have put together a summary of the components you'll need for individual luminaires or strip lighting. With appropriate accessories depending on the type of mounting (surface or suspended). For simple strip lighting the mechanical and electrical connectors are already integrated in the trunking.

## TRUSYS FLEX INSTALLATION ① WITHOUT AND ② WITH BLIND COVER



### FOR INSTALLATION YOU WILL NEED:

- 1 x TRUSYS FLEX Feed-in Box/Feed-in electrical connector (5 or 8 pole)
- X x TRUSYS FLEX Energy Rail 5 or 8 pole
- 1 x TRUSYS FLEX End Energy Rail
- X x TRUSYS FLEX LED luminaire insert (TRUSYS FLEX Blind Cover as required)
- X x TRUSYS FLEX Spot Track 1500 insert (optional)
- X x Accessories depending on type of mounting (surface or suspended)
- 1 x Set TRUSYS FLEX End Cap Energy Rail or End Cap Low-energy Rail





# TRUSYS FLEX REQUIREMENTS TABLE

Requirements table for sample strip lighting when allocating luminaire inserts to every second insert adapter (50 %) or every third insert adapter (33 %) on the mounting rails (Energy Rail). Additional configurations are of course also possible, for example with no insert adapters (100 %). For a precise light planning for your project, please contact your sales representative.



50 %								
Length of strip lighting	TRUSYS FLEX luminaire insert	Blind cover	3 m rail	1.5 m rail	End rail	Min. installation points <sup>1</sup>	Feed-in	End caps
4.5 m	2	1	1	0	1	2	1	2
7.5 m	3	2	2	0	1	3	1	2
10.5 m	4	3	3	0	1	4	1	2
13.5 m	5	4	4	0	1	5	1	2
16.5 m	6	5	5	0	1	6	1	2
19.5 m	7	6	6	0	1	7	1	2
22.5 m	8	7	7	0	1	8	1	2
25.5 m	9	8	8	0	1	9	1	2
28.5 m	10	9	9	0	1	10	1	2
31.5 m	11	10	10	0	1	11	1	2
34.5 m	12	11	11	0	1	12	1	2
37.5 m	13	12	12	0	1	13	1	2
40.5 m	14	13	13	0	1	14	1	2
43.5 m	15	14	14	0	1	15	1	2
46.5 m	16	15	15	0	1	16	1	2
49.5 m	17	16	16	0	1	17	1	2

33 %								
Length of strip lighting	TRUSYS FLEX luminaire insert	Blind cover	3 m rail	1.5 m rail	End rail	Min. installation points <sup>1</sup>	Feed-in	End caps
6.0 m	2	2	1	1	1	3	1	2
10.5 m	3	4	3	0	1	4	1	2
15.0 m	4	6	4	1	1	6	1	2
19.5 m	5	8	5	0	1	7	1	2
24.0 m	6	10	7	1	1	9	1	2
28.5 m	7	12	9	0	1	10	1	2
33.0 m	8	14	10	1	1	12	1	2
37.5 m	9	16	12	0	1	13	1	2
42.0 m	10	18	13	1	1	15	1	2
46.5 m	11	20	15	0	1	16	1	2
51.0 m	12	22	16	1	1	18	1	2

 Luminaire insert 1500 mm

 Blind cover 1500 mm

All figures mentioned are based on a single installation; deviations from the content possible as per EAN. For precise light planning for your project, please contact your sales representative.  
<sup>1</sup> Calculation based on a distance of 0.75 m from the start and end of the rail to the first and last installation point. Additional installation points every 3 m max.



# DAMP-PROOF LUMINAIRES

FIRST-CLASS LIGHTING AND EASY INSTALLATION –  
STANDING OUT IN DEMANDING ENVIRONMENTS



## DAMP PROOF COMPACT GEN 1



- Easy access to the terminal thanks to the twist and lock mechanism on the end cap
- Movable mounting bracket over the full length allows use of old drill holes
- Fast rewiring thanks to integrated through-wiring



PERFORMANCE CLASS

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## DAMP PROOF COMPACT GEN 2



- Highly versatile due to available power select versions that allow 2 different lumen packages
- Easy access to electrical terminal thanks to end caps with twist and lock mechanism
- Tool-free electrical connection due to push button connector



VALUE CLASS

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## DAMP PROOF GEN 2



DAMP PROOF | DAMP PROOF DALI | DAMP PROOF 5X THROUGHWIRING  
DAMP PROOF EMERGENCY | DAMP PROOF SENSOR

- Wide range of applications (switchable, DALI, through-wired, battery for safety lighting)
- Flexible use through extensive mounting and suspension accessories (included)
- No risk of electrostatic discharge through integration of the LED module into the luminaire cover



PERFORMANCE CLASS

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## DAMP PROOF SPECIAL GEN 2



- Completely sealed for use in agricultural applications
- Also usable in uncovered outdoor areas
- Via the rotatable mounting the luminaire can be fixed in any position for optimal light steering



PERFORMANCE CLASS

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## DAMP PROOF HOUSING GEN 3



DAMP PROOF HOUSING | DAMP PROOF HOUSING ACCESSORIES

- Sustainable solution thanks to replaceable lamps
- Prewired for easy installation of tubular AC LED lamps
- Robust housing



PERFORMANCE CLASS

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## DAMP PROOF SLIM VALUE



- Homogeneous quality of light with a wide beam angle
- Simple installation thanks to mounting clips that can be freely positioned on the luminaire
- Easy access to the terminal thanks to the snap-on mechanism on the end cap



VALUE CLASS

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## DAMP PROOF VALUE



- Uniform distribution of light
- Energy savings of up to 50 % (compared with luminaires that use fluorescent lamps)
- Easy installation and tool-free connection



VALUE CLASS

Page 172

# THE RIGHT DAMP-PROOF LUMINAIRE FOR EVERY OCCASION

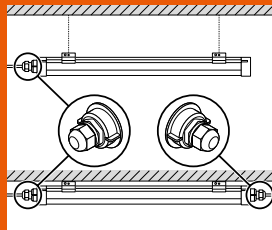
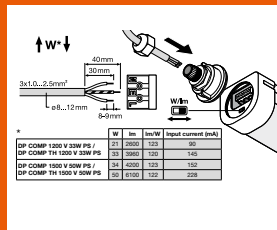
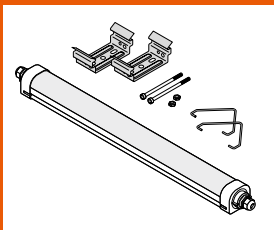
Discover now our broad portfolio which can be used for almost any standard application: In addition to classic versions, our range includes modern design luminaires – both in Performance Class and Value Class. There's also our Damp Proof Special with exceptional performance which is perfect for demanding environments.

## OUR LEDVANCE DAMP PROOFS ARE EASY TO MOUNT

Damp Proof Compact



### INSTALLATION IN NO TIME AT ALL USING THE DAMP PROOF COMPACT AS AN EXAMPLE



The end caps with their "Twist and Lock" mechanism allow for quick tool-free electrical connection.

### THROUGH-WIRING OF DAMP PROOFS AT A GLANCE

	Material	Application	Lifetime <sup>1</sup> Guarantee <sup>2</sup>	One-sided connection	3 × 1.5 mm <sup>2</sup> through-wiring preinstalled	5 × 2.5 mm <sup>2</sup> through-wiring preinstalled	DALI	Lumen/power selection switch	Emergency lighting function
DP Special	PMMA		50 000 h L80 5 years		✓				
DP Compact Gen 1	PC, stainless steel		up to 50 000 h L70 5 years		✓				
DP Compact Gen 2	PC, stainless steel		up to 50 000h L80 5 years	✓	✓		✓		
DP Slim Value	PC, stainless steel		up to 30 000 h L70 3 years	✓					
DP Gen 2	PC, stainless steel		up to 50 000 h L80 5 years	✓	Through-wiring possible <sup>3</sup>	32 W 4 000 K 46 W 4 000 K <sup>4</sup>	✓	81 W 4 000 K <sup>5</sup> 81 W 4 000 K <sup>5</sup>	✓
DP Value	PC, stainless steel		up to 50 000 h L70 3 years	✓	Through-wiring possible <sup>3</sup>	Through-wiring possible <sup>3</sup>			
DP Housing Gen 3	PC, stainless steel		5 years	✓	Through-wiring possible <sup>3</sup>	Possible via separate kit	✓		✓

<sup>1</sup> t [h]: L70/B50 @ 25 °C (T<sub>a</sub>) / t [h]: L80/B10 @ 25 °C (T<sub>a</sub>) | <sup>2</sup> For precise terms and conditions go to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) | <sup>3</sup> The product is technically equipped for through-wiring. Additional components may be required. Please refer to the operating instructions for accessories included. | <sup>4</sup> Through-Wiring kit also available separately for standard DP Gen 2 products  
<sup>5</sup> 4 × lumen/power selection

Other wiring & driver combinations are possible via special request for Damp Proof Gen 2, VALUE and Housing Gen 3.

# DAMP PROOF COMPACT GEN 1

Damp-proof luminaire, through-wired (L, N, E)



## PRODUCT FEATURES

- Polycarbonate housing with stainless steel mounting brackets and suspension and anti-theft kit
- Through-wiring cable 3 × 1.5 mm<sup>2</sup> already installed
- Type of protection: IP66
- Ambient temperature in operation: -30...+50 °C
- High luminous efficacy: up to 120 lm/W

## PRODUCT BENEFITS

- Easy access to electrical terminal thanks end caps with twist and lock mechanism
- Movable mounting bracket over the full length allows use of old drill holes
- Fast rewiring thanks to integrated through-wiring
- Tool-free electrical connection due to push button connector
- 5 years guarantee

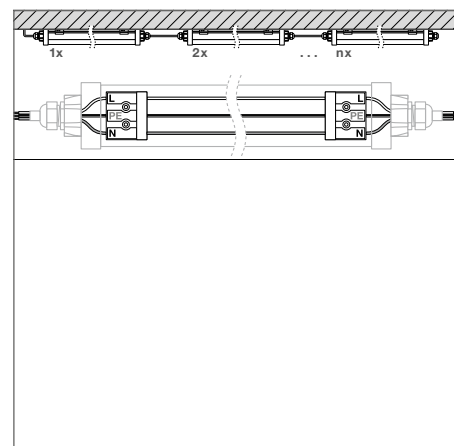
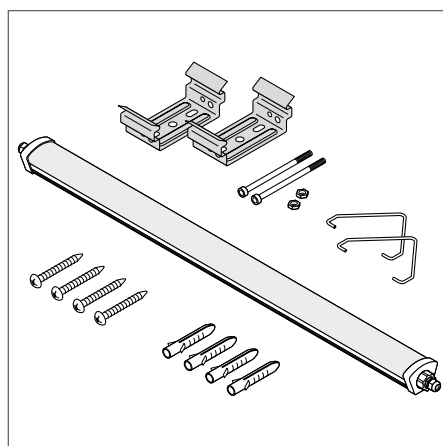
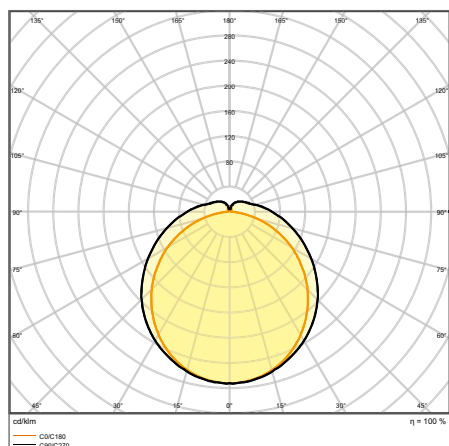
## AREAS OF APPLICATION

- Industrial and storage facilities
- Car parks and underpasses
- Garages
- Workshops, assembly lines

## EQUIPMENT / ACCESSORIES

- Stainless steel clamps with safety screws included
- Mounting accessories included (suspension kit, theft protection kit)

## FURTHER PRODUCT DETAILS



DP COMPACT 1500 55 W 4000K IP66 GR

## DAMP PROOF COMPACT GEN 1

Damp-proof luminaire, through-wired (L, N, E)



Product name	EAN (GTIN)	Replacement for								L x W x H [mm]	
			W	lm	lm/W	K	L80 <sup>2</sup>		Ø x H [mm]		
DP COMPACT 1200 23W/3000K IP66 GR	4058075424227	1 x 36W FL	23	2600	115	3000	35000	120	1290 x 86 x 68		
DP COMPACT 1200 23 W 4000K IP66 GR	4058075210028	1 x 36W FL	23	2800	120	4000	35000	120	1290 x 86 x 68		
DP COMPACT 1200 44W/3000K IP66 GR	4058075424241	2 x 36W FL	44	5100	115	3000	35000	120	1290 x 86 x 68		
DP COMPACT 1200 44 W 4000K IP66 GR	4058075210042	2 x 36W FL	44	5400	120	4000	35000	120	1290 x 86 x 68		
DP COMPACT 1200 44 W 6500K IP66 GR	4058075210066	2 x 36W FL	44	5400	120	6500	35000	120	1290 x 86 x 68		
DP COMPACT 1500 31W/3000K IP66 GR	4058075424265	1 x 58W FL	31	3500	115	3000	35000	120	1590 x 86 x 68		
DP COMPACT 1500 31 W 4000K IP66 GR	4058075210080	1 x 58W FL	31	3800	120	4000	35000	120	1590 x 86 x 68		
DP COMPACT 1500 55W/3000K IP66 GR	4058075424289	2 x 58W FL	55	6300	115	3000	35000	120	1590 x 86 x 68		
DP COMPACT 1500 55 W 4000K IP66 GR	4058075210103	2 x 58W FL	55	6700	120	4000	35000	120	1590 x 86 x 68		
DP COMPACT 1500 55 W 6500K IP66 GR	4058075210127	2 x 58W FL	55	6700	120	6500	35000	120	1590 x 86 x 68		

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)



## DAMP PROOF COMPACT GEN 2

Modern damp-proof luminaires with lumen-switchable versions



### PRODUCT FEATURES

- Power select option available to select between 2 lumen packages
- Versions with preinstalled 3 × 1.5 mm<sup>2</sup> through-wiring available
- Lifetime (L80/B10): up to 50 000 h (at 25 °C)
- High luminous efficacy: up to 123 lm/W
- Polycarbonate housing IP66 and IK08
- Beam angle: 120°

### PRODUCT BENEFITS

- Highly versatile due to available power select versions that allow 2 different lumen packages
- Excellently usable in bigger installations due to preinstalled through-wiring (3 × 1.5 mm<sup>2</sup>)
- Easy access to electrical terminal thanks to end caps with twist and lock mechanism
- Tool-free electrical connection due to push button connector
- Evenly distributed light
- 5 years guarantee

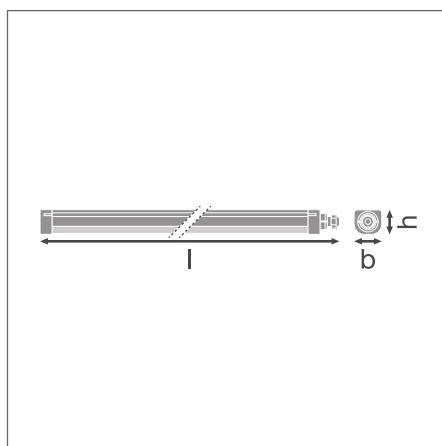
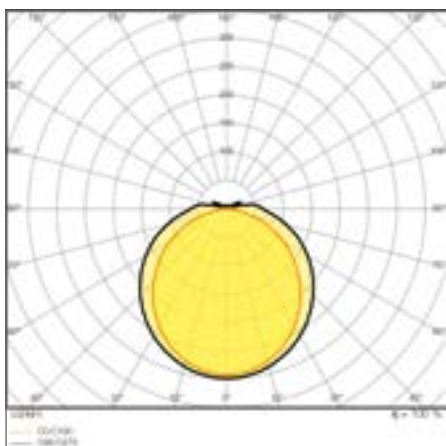
### AREAS OF APPLICATION

- Industrial and storage facilities
- Car parks and underpasses
- Garages
- Workshops, assembly lines

### EQUIPMENT / ACCESSORIES

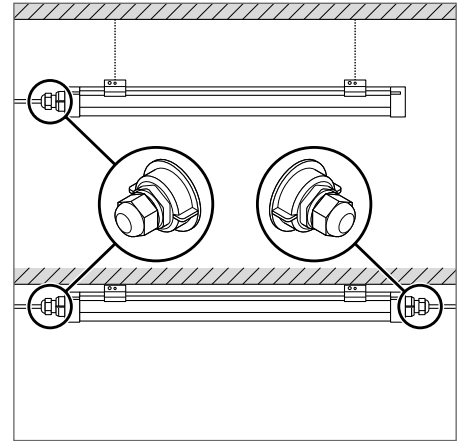
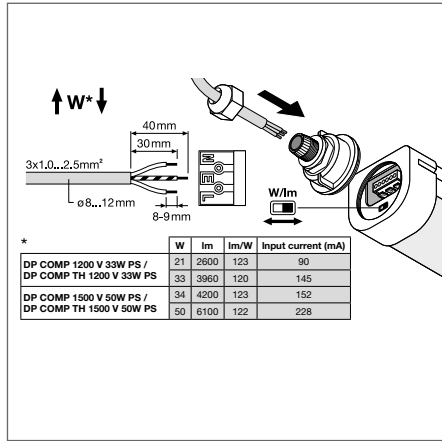
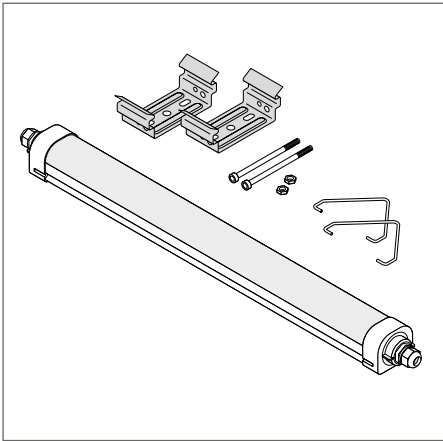
- Stainless steel clamps with safety screws included
- Mounting accessories included (suspension kit, theft protection kit)

### FURTHER PRODUCT DETAILS



DP COMP 1200 V 33W 840 IP66 PS

FURTHER PRODUCT DETAILS



DAMP PROOF COMPACT GEN 2

Modern damp-proof luminaires with lumen-switchable versions

VALUE CLASS

Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
DP Comp 600 V 16W 840 IP66	4058075740853	2 x 18W FL	16	1920	120	4000	75000	120	643 x 60 x 53
DP Comp 1200 V 33W 840 IP66 PS	4058075740877	2 x 36W FL	33	3960	123	4000	75000	120	1243 x 60 x 53
DP Comp 1500 V 50W 840 IP66 PS	4058075740891	2 x 58W FL	50	6100	123	4000	75000	120	1543 x 60 x 53

DAMP PROOF COMPACT THROUGHWIRING GEN 2

Modern damp-proof luminaires with through-wiring and lumen-switchable versions

VALUE CLASS

Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
DP Comp TH 1200 V 33W 840 IP66 PS	4058075740914	2 x 36W FL	33	3960	123	4000	75000	120	1285 x 60 x 53
DP Comp TH 1200 V 33W 865 IP66 PS	4058075740952	2 x 36W FL	33	3960	123	6500	75000	120	1285 x 60 x 53
DP Comp TH 1500 V 50W 840 IP66 PS	4058075740938	2 x 58W FL	50	6100	123	4000	75000	120	1585 x 60 x 53
DP Comp TH 1500 V 50W 865 IP66 PS	4058075740976	2 x 58W FL	50	6100	123	6500	75000	120	1585 x 60 x 53
DP Comp TH 1500 V 62W 840 IP66	4058075740990	3 x 58W FL	62	7500	120	4000	55000	120	1585 x 60 x 53

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)

## DAMP PROOF GEN 2

Damp-proof luminaires



### PRODUCT FEATURES

- Polycarbonate housing with stainless steel mounting brackets and suspension and anti-theft kit
- Available as switchable, 5 x 2.5 mm<sup>2</sup> through-wired, DALI and emergency 3h battery
- Type of protection: IP65
- Ambient temperature range during operation: -25°C to +40°C
- High luminous efficacy: up to 135 lm/W

### PRODUCT BENEFITS

- Wide range of applications (switchable, DALI, through-wired, battery for safety lighting)
- Flexible use through extensive mounting and suspension accessories (included)
- D-marking for mounting on surfaces with limited surface temperature
- Energy savings of up to 60 % (compared to luminaires that use fluorescent lamps)
- All versions with 5-year guarantee, except emergency version: 3 years (built-in 3h battery)

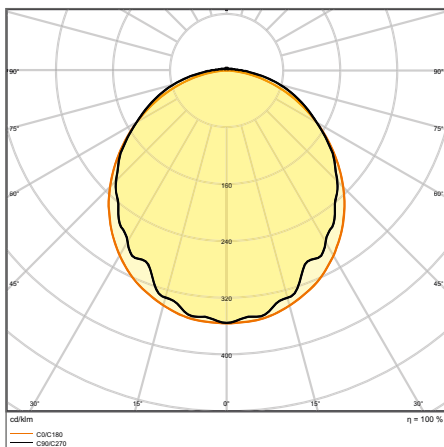
### AREAS OF APPLICATION

- Industrial and storage facilities
- Car parks and underpasses
- Garages
- Workshops, assembly lines

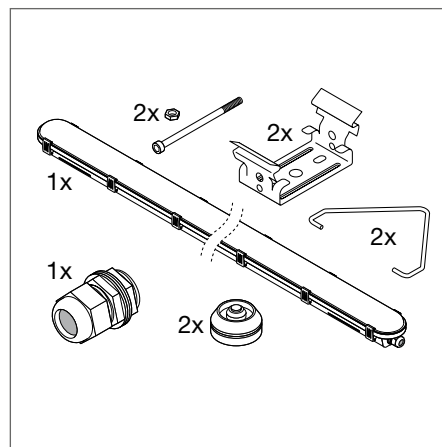
### EQUIPMENT / ACCESSORIES


- Stainless steel clamps with safety screws included
- Mounting accessories included (suspension kit, theft protection kit)

### FURTHER PRODUCT DETAILS



DP 1200 18 W 4000 K IP65 GY



DP 1500 81W 840 IP65 GY DP 1500 81W 865 IP65 GY	ON → OFF		W	lm
	PIN1	PIN2		
230V  LED	ON	ON	81	11000
	ON	OFF	69	9600
	OFF	ON	57	8200
	OFF	OFF	46	6600

## DAMP PROOF ON/OFF + DALI

Damp-proof luminaires, classic shape



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>3</sup>			L x W x H [mm] Ø x H [mm]
DP 1200 18W 840 IP65 GY	4058075541047	1 x 36W FL	18	2400	135	4000	50000	110	—	1200 x 82 x 68
DP 1200 18W 865 IP65 GY	4058075541061	1 x 36W FL	18	2400	135	6500	50000	110	—	1200 x 82 x 68
DP 1200 32W 830 IP65 GY	4058075541085	2 x 36W FL	32	4000	125	3000	50000	110	—	1200 x 82 x 68
DP 1200 32W 840 IP65 GY	4058075541108	2 x 36W FL	32	4400	135	4000	50000	110	—	1200 x 82 x 68
DP 1200 32W 865 IP65 GY	4058075541122	2 x 36W FL	32	4400	135	6500	50000	110	—	1200 x 82 x 68
DP 1500 26W 840 IP65 GY	4058075541146	1 x 58W FL	26	3500	135	4000	50000	110	—	1500 x 82 x 68
DP 1500 26W 865 IP65 GY	4058075541160	1 x 58W FL	26	3500	115	6500	50000	110	—	1500 x 82 x 68
DP 1500 46W 830 IP65 GY	4058075541184	2 x 58W FL	46	5750	125	3000	50000	110	—	1500 x 82 x 68
DP 1500 46W 840 IP65 GY	4058075541207	2 x 58W FL	46	6400	135	4000	50000	110	—	1500 x 82 x 68
DP 1500 46W 865 IP65 GY	4058075541221	2 x 58W FL	46	6400	135	6500	50000	110	—	1500 x 82 x 68
DP 1500 58W 840 IP65 GY	4058075541245	2 x 70W FL	58	8000	135	4000	50000	110	—	1500 x 82 x 68
DP 1500 58W 865 IP65 GY	4058075541269	2 x 70W FL	58	8000	135	6500	50000	110	—	1500 x 82 x 68
DP 1500 81W 840 IP65 GY	4058075541283	2 x 80W FL	81	11000	135	4000	50000	110	—	1500 x 82 x 68
DP 1500 81W 865 IP65 GY	4058075541306	2 x 80W FL	81	11000	135	6500	50000	110	—	1500 x 82 x 68
DP DALI 1200 18W 840 IP65 GY	4058075541641	1 x 36W FL	18	2400	135	4000	50000	110	DALI-2	1200 x 82 x 68
DP DALI 1200 18W 865 IP65 GY	4058075541665	1 x 36W FL	18	2400	135	6500	50000	110	DALI-2	1200 x 82 x 68
DP DALI 1200 32W 830 IP65 GY	4058075541689	2 x 36W FL	32	4000	125	3000	50000	110	DALI-2	1200 x 82 x 68
DP DALI 1200 32W 840 IP65 GY	4058075541702	2 x 36W FL	32	4400	135	4000	50000	110	DALI-2	1200 x 82 x 68
DP DALI 1200 32W 865 IP65 GY	4058075541726	1 x 36W FL	32	4000	125	6500	50000	110	DALI-2	1200 x 82 x 68
DP DALI 1500 26W 840 IP65 GY	4058075541740	1 x 58W FL	26	3500	135	4000	50000	110	DALI-2	1500 x 82 x 68
DP DALI 1500 26W 865 IP65 GY	4058075541764	1 x 58W FL	26	3500	135	6500	50000	110	DALI-2	1500 x 82 x 68
DP DALI 1500 46W 830 IP65 GY	4058075541788	2 x 58W FL	46	5750	125	3000	50000	110	DALI-2	1500 x 82 x 68
DP DALI 1500 46W 840 IP65 GY	4058075541801	2 x 58W FL	46	6400	135	4000	50000	110	DALI-2	1500 x 82 x 68
DP DALI 1500 46W 865 IP65 GY	4058075541825	2 x 58W FL	46	6400	135	6500	50000	110	DALI-2	1500 x 82 x 68
DP DALI 1500 58W 840 IP65 GY	4058075541849	2 x 70W FL	58	8000	135	4000	50000	110	DALI-2	1500 x 82 x 68
DP DALI 1500 58W 865 IP65 GY	4058075541863	2 x 70W FL	58	8000	135	6500	50000	110	DALI-2	1500 x 82 x 68

## DAMP PROOF 5X THROUGHWIRING

Damp-proof luminaires, classic shape with 5 x 2.5 mm<sup>2</sup> through-wiring

Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>3</sup>			L x W x H [mm] Ø x H [mm]
DP 5TH 1200 32W 840 IP65 GY	4058075541924	2 x 36W FL	32	4400	135	4000	50000	110	—	1200 x 82 x 68
DP 5TH 1500 46W 840 IP65 GY	4058075541948	2 x 58W FL	46	6400	135	4000	50000	110	—	1500 x 82 x 68

<sup>1</sup> The Damp Proof luminaires are certified as follows: On /Off, DALI and through-wiring versions: TÜV Süd and ENEC, Emergency versions: CE.

<sup>2</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>3</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)

## DAMP PROOF EMERGENCY

Damp-proof luminaires, classic shape with integrated emergency lighting function



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
DP EM 1200 18W 840 IP65 GY	4058075541320	1 x 36 W FL	18	2400	135	4000	50000	110	1200 x 82 x 68
DP EM 1200 18W 865 IP65 GY	4058075541344	1 x 36 W FL	18	2400	135	6500	50000	110	1200 x 82 x 68
DP EM 1200 32W 830 IP65 GY	4058075541368	2 x 36 W FL	32	4000	125	3000	50000	110	1200 x 82 x 68
DP EM 1200 32W 840 IP65 GY	4058075541382	2 x 36 W FL	32	4400	135	4000	50000	110	1200 x 82 x 68
DP EM 1200 32W 865 IP65 GY	4058075541405	2 x 36 W FL	32	4400	125	6500	50000	110	1200 x 82 x 68
DP EM 1500 26W 840 IP65 GY	4058075541429	1 x 58 W FL	26	3500	150	4000	50000	110	1500 x 82 x 68
DP EM 1500 26W 865 IP65 GY	4058075541443	1 x 58 W FL	26	3500	135	6500	50000	110	1500 x 82 x 68
DP EM 1500 46W 830 IP65 GY	4058075541467	2 x 58 W FL	46	5750	125	3000	50000	110	1500 x 82 x 68
DP EM 1500 46W 840 IP65 GY	4058075541481	2 x 58 W FL	46	6400	135	4000	50000	110	1500 x 82 x 68
DP EM 1500 46W 865 IP65 GY	4058075541504	2 x 58 W FL	46	6400	135	6500	50000	110	1500 x 82 x 68
DP EM 1500 58W 840 IP65 GY	4058075541528	2 x 70 W FL	58	8000	135	4000	50000	110	1500 x 82 x 68
DP EM 1500 58W 865 IP65 GY	4058075541542	2 x 70 W FL	58	8000	135	6500	50000	110	1500 x 82 x 68
DP EM 1500 81W 840 IP65 GY	4058075541566	2 x 80 W FL	81	11000	135	4000	50000	110	1500 x 82 x 68
DP EM 1500 81W 865 IP65 GY	4058075541580	2 x 80 W FL	81	11000	135	6500	50000	110	1500 x 82 x 68

## EMERGENCY LIGHTING PROPERTIES

Product name	Battery life in emergency operation mode	Type of emergency operation test	Type of emergency light operation	Luminous flux in emergency operation mode	Type of Battery
DP EM 1200 18W 840 IP65 GY	3h	Automatic	Maintained/Non-maintained	500 lm	LiFeP04
DP EM 1200 18W 865 IP65 GY	3h	Automatic	Maintained/Non-maintained	500 lm	LiFeP04
DP EM 1200 32W 830 IP65 GY	3h	Automatic	Maintained/Non-maintained	500 lm	LiFeP04
DP EM 1200 32W 840 IP65 GY	3h	Automatic	Maintained/Non-maintained	500 lm	LiFeP04
DP EM 1200 32W 865 IP65 GY	3h	Automatic	Maintained/Non-maintained	500 lm	LiFeP04
DP EM 1500 26W 840 IP65 GY	3h	Automatic	Maintained/Non-maintained	500 lm	LiFeP04
DP EM 1500 26W 865 IP65 GY	3h	Automatic	Maintained/Non-maintained	500 lm	LiFeP04
DP EM 1500 46W 830 IP65 GY	3h	Automatic	Maintained/Non-maintained	500 lm	LiFeP04
DP EM 1500 46W 840 IP65 GY	3h	Automatic	Maintained/Non-maintained	500 lm	LiFeP04
DP EM 1500 46W 865 IP65 GY	3h	Automatic	Maintained/Non-maintained	500 lm	LiFeP04
DP EM 1500 58W 840 IP65 GY	3h	Automatic	Maintained/Non-maintained	500 lm	LiFeP04
DP EM 1500 58W 865 IP65 GY	3h	Automatic	Maintained/Non-maintained	500 lm	LiFeP04
DP EM 1500 81W 840 IP65 GY	3h	Automatic	Maintained/Non-maintained	500 lm	LiFeP04
DP EM 1500 81W 865 IP65 GY	3h	Automatic	Maintained/Non-maintained	500 lm	LiFeP04

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)







## DAMP PROOF SENSOR

Damp-proof luminaires, classic shape with high frequency sensor



### PRODUCT FEATURES

- High frequency sensor for daylight and motion detection
- Sensor with leader-follower and leader-leader functionality
- High luminous efficacy: up to 139 lm/W
- Beam angle: 110°

### PRODUCT BENEFITS

- Installation of multiple sensor switched luminaires possible due to leader-follower and leader-leader functionality
- Multiple adjustments of sensor range, daylight detection and hold time
- Low flicker ≤ 10 %
- Easy installation, no tools required for connection
- 5 years guarantee

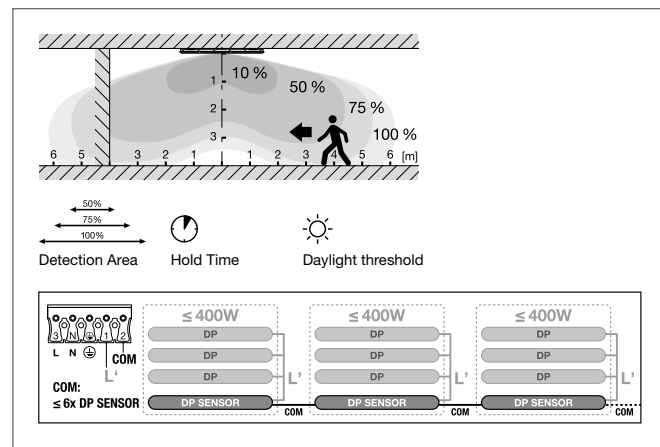
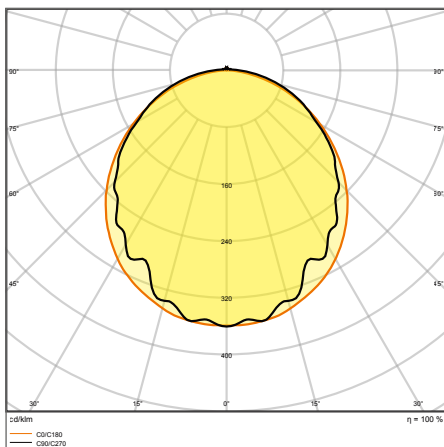
### AREAS OF APPLICATION

- Industrial and storage facilities
- Car parks and underpasses
- Garages
- Workshops, assembly lines

### EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available as optional separate accessory
- Mounting brackets, antitheft protection, triangle, 2nd cable gland and 2 grommets included

### FURTHER PRODUCT DETAILS



DP S 1200 32W 840 IP65 GY

## DAMP PROOF SENSOR

Damp-proof luminaires, classic shape with high frequency sensor



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
DP S 1200 32W 840 IP65 GY	4058075541962	2 x 36W FL	32	4400	138	4000	50000	110	1200 x 82 x 68
DP S 1500 46W 840 IP65 GY	4058075541986	2 x 58W FL	46	6400	139	4000	50000	110	1500 x 82 x 68
DP S 1500 58W 840 IP65 GY	4058075542006	2 x 70W FL	58	8000	138	4000	50000	110	1500 x 82 x 68

## SENSOR PROPERTIES

Product name	Type of sensor	Sensor technology	Detection threshold of daylight sensor	Detection range of motion sensor	Sensor detection angle	Sensor controlled switching time
DP S 1200 32W 840 IP65 GY	Motion/Light	Microwave	2...50 lx	6...14 m	110°	5 s...15 min
DP S 1500 46W 840 IP65 GY	Motion/Light	Microwave	2...50 lx	6...14 m	110°	5 s...15 min
DP S 1500 58W 840 IP65 GY	Motion/Light	Microwave	2...50 lx	6...14 m	110°	5 s...15 min

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25°C (T<sub>a</sub>)/t[h]; L80/B10 @ 25°C (T<sub>a</sub>)

## DAMP PROOF SPECIAL GEN 2

Tubular damp-proof luminaire with extra high IP rating, ammonium-resistant and for outdoor applications



### PRODUCT FEATURES

- Sealed housing made of PMMA
- Ammonium resistant
- Type of protection: IP67 (DIN EN 60529), IP69K (ISO 20653:2013)
- Through-wiring cable already installed in the luminaire

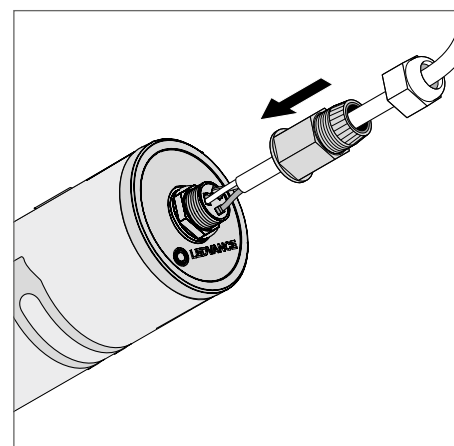
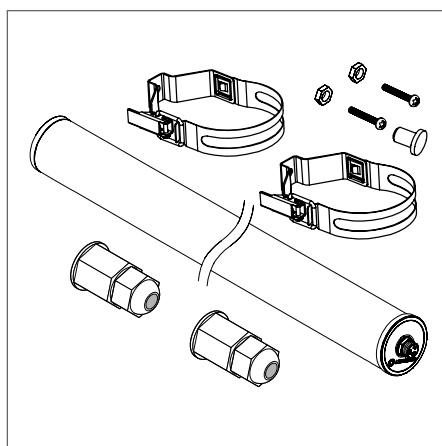
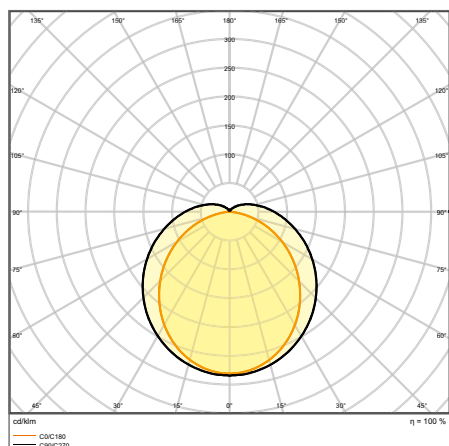
### PRODUCT BENEFITS

- Completely sealed for use in agricultural applications
- Also usable in uncovered outdoor areas
- Via the rotatable mounting the luminaire can be fixed in any position for optimal light steering
- Easy installation as mounting brackets can be positioned freely on the luminaire
- 5 years guarantee

### AREAS OF APPLICATION

- Keeping farm animals except poultry
- Food industry
- Open car parks and underpasses
- Garages
- Workshops, assembly lines

### FURTHER PRODUCT DETAILS



DP SPECIAL 1500 50 W 4000 K WT IP67

## DAMP PROOF SPECIAL GEN 2

Tubular damp-proof luminaire with extra high IP rating, ammonium-resistant and for outdoor applications



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
DP SPECIAL 1200 22 W 4000 K WT IP67	4058075452114	1 x 36W FL	22	2800	130	4000	50000	120	1200 x 82
DP SPECIAL 1200 42 W 4000 K WT IP67	4058075452152	2 x 36W FL	42	5500	130	4000	50000	120	1200 x 82
DP SPECIAL 1500 30 W 4000 K WT IP67	4058075452138	1 x 58W FL	30	3900	130	4000	50000	120	1500 x 82
DP SPECIAL 1500 50 W 4000 K WT IP67	4058075452176	2 x 58W FL	50	6500	130	4000	50000	120	1500 x 82

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]; L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)

## DAMP PROOF HOUSING

Damp-proof luminaire for T8 LED lamps



### PRODUCT FEATURES

- Luminaire housing, available for 1 or 2 T8 LED tubes
- Suitable for LED TUBE T8 EM and LED TUBE T8 CONNECTED
- Type of protection: IP65
- Integrated electrical fuse

### PRODUCT BENEFITS

- Easy and quick installation
- Prewired for easy installation of tubular AC LED lamps
- Toolless installation
- Robust housing
- Sustainable solution thanks to exchangeable light sources
- 5 years guarantee

### AREAS OF APPLICATION

- Parking lots, warehouses, production areas
- Car parks and underpasses
- Garages


### EQUIPMENT / ACCESSORIES

- All required accessories included
- Through-wiring cable kit available

## DAMP PROOF HOUSING GEN 3

Damp-proof luminaire for T8 LED lamps with tool-free luminaire connector



Product name	EAN (GTIN)		L x W x H [mm] Ø x H [mm]
DP HOUSING 600 P 1XLAMP IP65	4099854118050	G13	675 x 65 x 70
DP HOUSING 600 P 2XLAMP IP65	4099854118074	G13	675 x 95 x 70
DP HOUSING 1200 P 1XLAMP IP65	4099854118098	G13	1280 x 65 x 70
DP HOUSING 1200 P 2XLAMP IP65	4099854118111	G13	1280 x 95 x 70
DP HOUSING 1500 P 1XLAMP IP65	4099854118159	G13	1585 x 65 x 70
DP HOUSING 1500 P 2XLAMP IP65	4099854118210	G13	1585 x 95 x 70

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

## DAMP PROOF HOUSING GEN 3 DALI

Damp-proof luminaire for dimmable LED TUBE



Product name	EAN (GTIN)			L x W x H [mm] Ø x H [mm]
DP HOUSING DALI 1200 P 1XLAMP IP65	4099854146442	G13	DALI-2	1280 x 65 x 70
DP HOUSING DALI 1200 P 2XLAMP IP65	4099854146466	G13	DALI-2	1280 x 95 x 70
DP HOUSING DALI 1500 P 1XLAMP IP65	4099854146480	G13	DALI-2	1585 x 65 x 70
DP HOUSING DALI 1500 P 2XLAMP IP65	4099854146503	G13	DALI-2	1585 x 95 x 70

## DAMP PROOF HOUSING EMERGENCY

Damp-proof luminaire for emergency lighting application



Product name	EAN (GTIN)			L x W x H [mm] Ø x H [mm]
DP HOUSING EM 1200 P 1XLAMP IP65	4099854148880	G13	DALI-2	1280 x 65 x 70
DP HOUSING EM 1200 P 2XLAMP IP65	4099854148903	G13	DALI-2	1280 x 95 x 70
DP HOUSING EM 1500 P 1XLAMP IP65	4099854148927	G13	DALI-2	1585 x 65 x 70
DP HOUSING EM 1500 P 2XLAMP IP65	4099854148941	G13	DALI-2	1585 x 95 x 70

## EMERGENCY LIGHTING PROPERTIES


Product name	Battery life in emergency operation mode	Type of emergency operation test	Type of emergency light operation	Luminous flux in emergency operation mode	Type of Battery
DP HOUSING EM 1200 P 1XLAMP IP65	3 h	Automatic	Maintained	330 lm	LiFePO4
DP HOUSING EM 1200 P 2XLAMP IP65	3 h	Automatic	Maintained	320 lm	LiFePO4
DP HOUSING EM 1500 P 1XLAMP IP65	3 h	Automatic	Maintained	330 lm	LiFePO4
DP HOUSING EM 1500 P 2XLAMP IP65	3 h	Automatic	Maintained	320 lm	LiFePO4

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

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Find out more:  
[ledvance.com/tubes](https://ledvance.com/tubes)



# THE DREAM TEAM FOR WAREHOUSES AND CAR PARKS

The LEDVANCE DAMP PROOF HOUSING is a functional and robust luminaire which is ideal for warehouse and car park applications with ceiling heights of up to 4 meters. But it gets even better. In combination with LEDVANCE LED TUBE T8 EM CONNECTED and the LEDVANCE CONNECTED SENSOR ST8 LOW BAY you can create an intelligent lighting system in no time.

Using the Zigbee 3.0 wireless standard, the motion sensor controls the coupled LED tubes without wiring. The result: light in the right place at the right time and significantly reduced energy consumption.

## LEDVANCE LED TUBE T8 EM CONNECTED P 4058075824010 EAN (GTIN): Operation on CCG

Light on demand: intelligent control via a sensor reduces energy consumption.

- Communication via Zigbee 3.0
- Low-flicker according to EU 2019/2020 (SVM ≤ 0.4; P<sub>st</sub>LM ≤ 1)
- Glass tube with shatter protection thanks to special PET coating
- Only in connection with the LEDVANCE CONNECTED SENSOR ST8 LOW BAY (4058075232969 EAN (GTIN)): Installation height: up to 4 m



## A STRONG COMBINATION, E. G. FOR LARGE INDOOR CAR PARKS:

### LEDVANCE LED TUBE T8 EM CONNECTED P

LED tube, installed in the robust DAMP PROOF HOUSING (IP65), is connected wirelessly to LEDVANCE CONNECTED SENSOR ST8 LOW BAY via Zigbee. Two-stage switching (0% ⇌ 100% and 20% ⇌ 100%) increases efficiency even further.



## ENERGY SAVINGS

Lighting technology	Net luminous flux	Number of luminaires	Luminaire wattage incl. losses	Connected load	Energy consumption per year	Energy savings vs old system
<b>LED TUBE T8 EM CONNECTED P 24 W/4000K 1500 mm</b>	<b>3 600 lm</b>	<b>50</b>	<b>24 W</b>	<b>1 200 W</b>	<b>4 992 kWh</b>	<b>66%*</b>
Conventional: damp-proof luminaire T8 1 × 58 W	3 454 lm	50	70 W	3 500 W	14 560 kWh	

**OPERATING DATA:** Operation per year (days): 260 · Operation per day (hours): 16 · Estimated active times per day (hours): 8

The energy consumption refers to the LED lighting solution without LMS and does not take into account any lighting scenes or their dimming states.  
 \* Assumed savings through LMS in relation to the new system with LEDs: 40%; based on the following assumptions: Motion detector with comfort dimming 40%. During operating times, the lighting system will only be dimmed down to 20%. This is more comfortable for users because they do not have to enter the space in complete darkness. The assumptions made for the LMS savings calculations are approximate and are based on practical experience from the lighting industry. Energy savings through LMS always need to be calculated based on the specific project.

## DAMP PROOF HOUSING ACCESSORIES

Through-wiring kits for DAMP PROOF HOUSING GEN 2 and GEN 3



### PRODUCT FEATURES

- Through-wiring kits with tool-free connectors

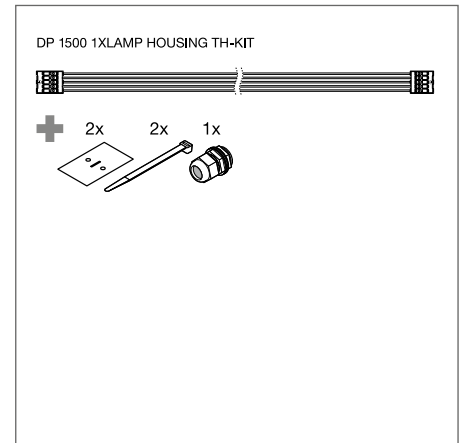
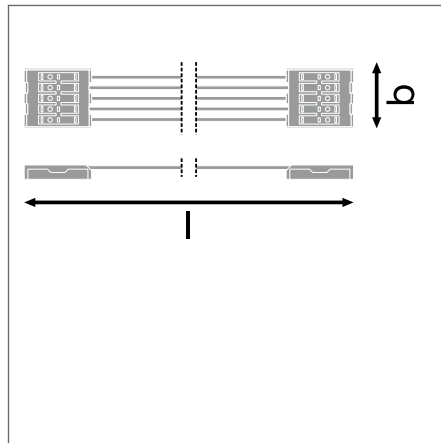
### PRODUCT BENEFITS

- Easy installation and electrical connection thanks to tool-free electrical connectors

### EQUIPMENT/ACCESSORIES

- 5 × 2.5 mm<sup>2</sup> cables with tool-free connectors, cable gland and cable holders
- All required accessories included

### FURTHER PRODUCT DETAILS



Product name	EAN (GTIN)	L × W × H [mm] Ø × H [mm]	MATERIAL	COLOR
DP 1200 1XLAMP HOUSING TH-KIT 5X2.5LEDV	4058075695078	1150 × 27 × 16	Polycarbonate (PC)	Multicolored
DP 1500 1XLAMP HOUSING TH-KIT 5X2.5LEDV	4058075695092	1450 × 27 × 16	Polycarbonate (PC)	Multicolored
DP 1200 2XLAMP HOUSING TH-KIT 5X2.5LEDV	4058075695115	1150 × 50 × 23	Polycarbonate (PC)	Multicolored
DP 1500 2XLAMP HOUSING TH-KIT 5X2.5LEDV	4058075695139	1450 × 50 × 23	Polycarbonate (PC)	Multicolored

## DAMP PROOF SLIM VALUE

Damp-proof luminaire with slim housing



### PRODUCT FEATURES

- Polycarbonate housing with stainless steel mounting brackets and suspension and anti-theft kit
- Type of protection: IP65
- Wide beam angle: 120°
- High luminous efficacy: up to 110 lm/W

### PRODUCT BENEFITS

- Homogeneous quality of light with a wide beam angle
- Easy installation as mounting brackets can be positioned freely on the luminaire
- Easy access to electrical terminal thanks end caps with clip mechanism
- Elegant, slim design
- Tool-free electrical connection due to push button connector

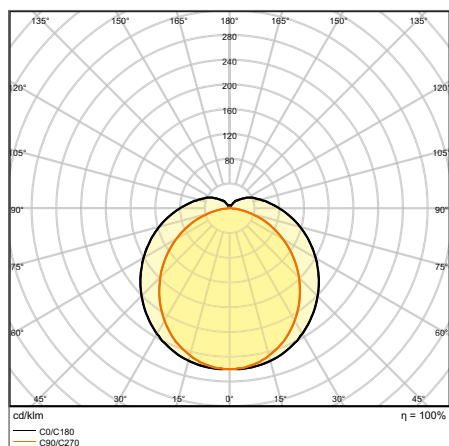
### AREAS OF APPLICATION

- Industrial and storage facilities
- Car parks and underpasses
- Garages
- Workshops, assembly lines

### EQUIPMENT / ACCESSORIES

- Stainless steel clamps with safety screws included
- Mounting accessories included (suspension kit, theft protection kit)

### FURTHER PRODUCT DETAILS



DP SLIM VALUE 1500 50 W 4000 K IP65 GY

## DAMP PROOF SLIM VALUE

Damp-proof luminaire with slim housing

VALUE  
CLASS

Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
DP SLIM VALUE 1200 36 W 4000 K IP65 GY	4058075066458	2 x 36W FL	36	4000	110	4000	27000	120	1200 x 35 x 48
DP SLIM VALUE 1200 36 W 6500 K IP65 GY	4058075066472	2 x 36W FL	36	4000	110	6500	27000	120	1200 x 35 x 48
DP SLIM VALUE 1500 50 W 4000 K IP65 GY	4058075066496	2 x 58W FL	50	5500	110	4000	27000	120	1500 x 35 x 48
DP SLIM VALUE 1500 50 W 6500 K IP65 GY	4058075066519	2 x 58W FL	50	5500	110	6500	27000	120	1500 x 35 x 48

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25°C (T<sub>a</sub>)/t[h]; L80/B10 @ 25°C (T<sub>a</sub>)

## DAMP PROOF VALUE

Damp-proof luminaires, classic shape



### PRODUCT FEATURES

- High luminous efficacy: up to 120 lm/W
- Type of protection: IP65
- Beam angle: 115°
- Through-wiring possible
- Polycarbonate housing

### PRODUCT BENEFITS

- Evenly distributed light
- Energy savings of up to 50 % (compared to luminaires that use fluorescent lamps)
- Easy installation, no tools required for connection
- 3 years guarantee

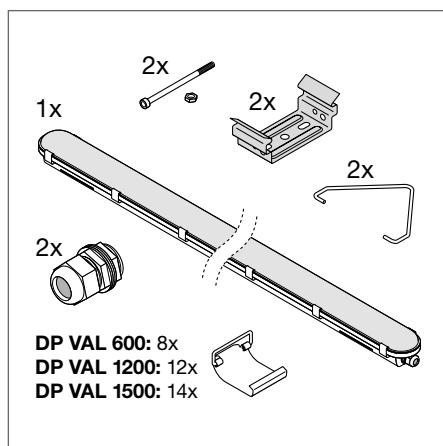
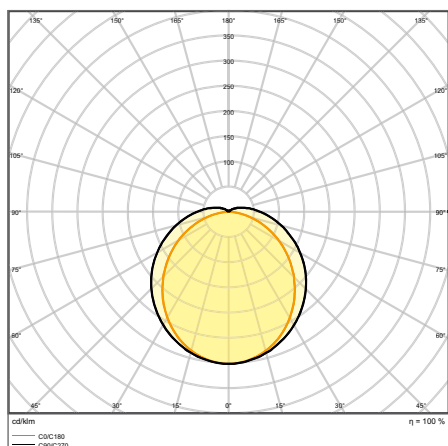
### AREAS OF APPLICATION

- Industrial and storage facilities
- Car parks and underpasses
- Garages
- Workshops, assembly lines

### EQUIPMENT / ACCESSORIES

- Stainless steel clamps with safety screws included
- Mounting accessories included (suspension kit, theft protection kit)

### FURTHER PRODUCT DETAILS



DP VAL 1800 70 W 4000 K IP65

## DAMP PROOF VALUE

Damp-proof luminaires, classic shape



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L70 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
DP VAL 600 9 W 4000 K IP65	4058075300705	1 x 18W FL	9	1080	120	4000	50000	115	600 x 77 x 66
DP VAL 600 18 W 4000 K IP65	4058075300743	2 x 18W FL	18	2160	120	4000	50000	115	600 x 77 x 66
DP VAL 1200 20 W 4000 K IP65	4058075300781	1 x 36W FL	20	2400	120	4000	50000	115	1200 x 77 x 66
DP VAL 1200 40 W 4000 K IP65	4058075300828	2 x 36W FL	40	4800	120	4000	50000	115	1200 x 77 x 66
DP VAL 1500 25 W 4000 K IP65	4058075300866	1 x 58W FL	25	3000	120	4000	50000	115	1500 x 77 x 66
DP VAL 1500 50 W 4000 K IP65	4058075300903	2 x 58W FL	50	6000	120	4000	50000	115	1500 x 77 x 66
DP VAL 1800 34 W 4000 K IP65	4058075300941	1 x 70W FL	34	3700	110	4000	30000	115	1800 x 96 x 83
DP VAL 1800 70 W 4000 K IP65	4058075300989	2 x 70W FL	70	7500	105	4000	30000	115	1800 x 96 x 83

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>2</sup> t[h]: L70/B50 @ 25°C (T<sub>a</sub>)/t[h]; L80/B10 @ 25°C (T<sub>a</sub>)



# HIGH-BAY LUMINAIRES

HIGH EFFICIENCY AND OPTIMUM QUALITY OF LIGHT

## HIGH BAY GEN 4



PERFORMANCE CLASS

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### NEW HIGH BAY GENERATION WITH HIGH LUMINOUS EFFICACY

- Suitable for industrial use due to broad temperature range and long lifetime
- Energy savings of up to 64 % compared to conventional high-bay luminaires
- Suitable for use in dusty and damp locations thanks to high IP rating

## HIGH BAY GEN 4 SENSOR



PERFORMANCE CLASS

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### HIGHLY INTELLIGENT AND EFFICIENT

- Multiple adjustments of sensor with corridor functionality
- Energy savings of up to 64 % compared to conventional high-bay luminaires
- Suitable for use in dusty and damp locations thanks to high IP rating

## HIGH BAY GEN 3 DALI



PERFORMANCE CLASS

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### FOR HIGH LIGHTING DEMANDS

- LED high-bay luminaires with DALI-2 interface
- Different versions for ceiling heights from 6 m to 14 m
- Low-flicker light thanks to special electronic control gear

## HIGH BAY ACCESSORIES



Page 180

- HIGH BAY REFLECTOR
- HIGH BAY REFRACTOR
- HIGH BAY BRACKET
- HIGH BAY REMOTE CONTROL



### HIGHLY INTELLIGENT AND EFFICIENT

- High-quality aluminum reflector or polycarbonate refractor for optimization of UGR and beam shaping
- Sturdy steel bracket, with huge adjustment range of +/- 90°
- Remote control for configuration sensor

## HIGH BAY COMPACT



VALUE CLASS

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### GOOD LIGHTING FOR EVERYDAY APPLICATIONS

- Modern slim design with optimized weight and size
- Energy savings of up to 60 % compared to conventional high bay luminaires

## HIGH BAY COMPACT ACCESSORIES



Page 184

- HIGH BAY COMPACT REFLECTOR
- HIGH BAY COMPACT BRACKET



### ACCESSORIES FOR OPTIMUM QUALITY OF LIGHT

- High-quality aluminum reflector for beam shaping and glare reduction
- Sturdy steel bracket, with huge adjustment range of +/- 60°

# HIGH BAY GEN 4 SENSOR EFFICIENT LIGHT FOR HIGH CEILINGS



The new sensor version of HIGH BAY GEN 4 enables you to implement intelligent lighting even in warehouses, industrial facilities and logistics centers with ceiling heights of up to approximately 12 meters with minimal effort. Quick and convenient: configuration via remote control.

## SIMPLE BASIC CONFIGURATION DIRECTLY ON THE SENSOR

### SWITCH 1: DETECTION AREA

In this area the RF sensor detects movement.

### SWITCHES 2 AND 3: HOLD TIME

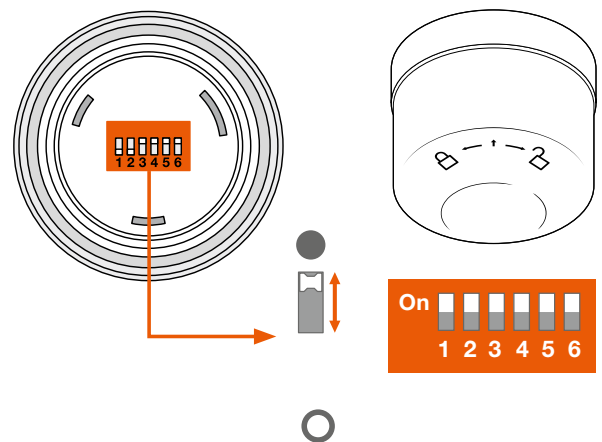
During this time, the light is still switched on 100 % after moving objects have left the detection area.

### SWITCH 4: DAYLIGHT THRESHOLD

Here you can define the sensor's dependence on daylight. When the daylight function is activated the motion sensor does not react until the ambient brightness is below 100 lux. When it is deactivated the sensor always reacts to movement.

### SWITCHES 5 AND 6: DIMMING LEVEL

The luminaire dims to this defined brightness value during standby after the set hold time has elapsed.



### DETECTION AREA



●	100 %
○	5 %

### HOLD TIME



●	●	30 s
●	○	1 min
○	●	5 min
○	○	10 min

### DAYLIGHT SENSOR

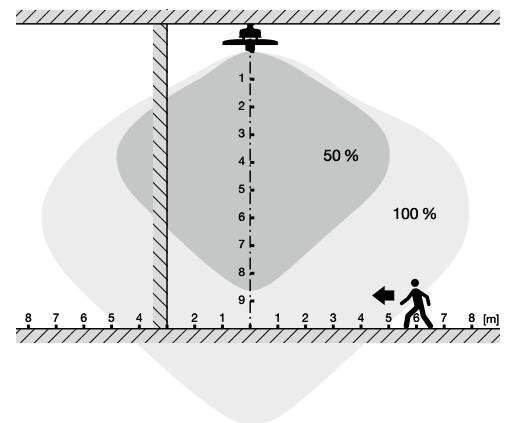


●	Disable
○	100 lux

### DIMMING LEVEL



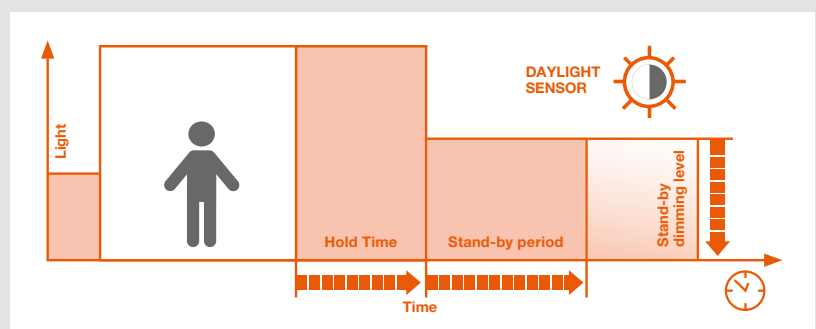
●	●	Off
○	●	10 %
●	○	30 %



## ECONOMICAL THANKS TO INTELLIGENT CORRIDOR FUNCTION

Wherever 24-hour lighting is required the corridor function helps to efficiently provide the necessary light.

The lighting can be activated depending on presence and, if required, on daylight to suit individual requirements. If it does not detect presence it will dim to the set level or switch off completely for a certain time.



## HIGH BAY GEN 4

High bay luminaires up to 150 lm/W and attractive UGR



### PRODUCT FEATURES

- High frequency sensor for daylight and motion detection
- Different luminous flux and beam angle for mounting heights of ~6 m to 14 m in 4 000 K or 6 500 K or ~6 m to 10 m in 4 000 K for sensor version

### PRODUCT BENEFITS

- High luminous efficacy
- Energy savings of up to 64 % compared to conventional high bay luminaires
- 5 years guarantee
- Suitable for use in dusty and damp locations thanks to high IP rating
- Multiple adjustments of sensor range, daylight detection and hold time on sensor version

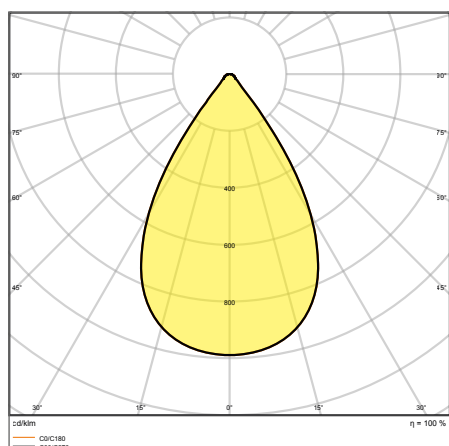
### AREAS OF APPLICATION

- Replacement for high bay luminaires with mercury vapor or metal halide lamps
- Warehouses
- Logistics halls
- Industry
- High ceiling (e.g. in shopping malls, airports, commercial buildings, lobbies)

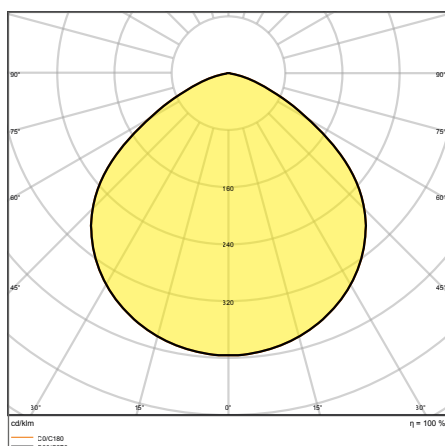
### EQUIPMENT / ACCESSORIES

- Mounting brackets, reflectors and refractors available as optional separate accessory. High Bay Sensor versions include bracket
- Mounting hook included

### FURTHER PRODUCT DETAILS



HB P 87W 840 70DEG IP65



HB P 87W 840 110DEG IP65

## HIGH BAY GEN 4

High bay luminaires up to 150 lm/W and attractive UGR



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>2</sup>	°	L × W × H [mm] Ø × H [mm]	Light No.
HB P 87W 840 70DEG IP65	4058075692787	250 W HID	87	13000	150	4000	50000	70	280 × 155	1
HB P 87W 840 110DEG IP65	4058075692718	250 W HID	87	13000	150	4000	50000	110	280 × 155	1
HB P 87W 865 70DEG IP65	4058075692855	250 W HID	87	13000	150	6500	50000	70	280 × 155	1
HB P 87W 865 110DEG IP65	4058075692848	250 W HID	87	13000	150	6500	50000	110	280 × 155	1
HB P 147W 840 70DEG IP65	4058075692800	400 W HID	147	22000	150	4000	50000	70	321 × 152	1
HB P 147W 840 110DEG IP65	4058075692794	400 W HID	147	22000	150	4000	50000	110	321 × 152	1
HB P 147W 865 70DEG IP65	4058075764248	400 W HID	147	22000	150	6500	50000	70	321 × 152	1
HB P 147W 865 110DEG IP65	4058075692862	400 W HID	147	22000	150	6500	50000	110	321 × 152	1
HB P 190W 840 70DEG IP65	4058075692824	500 W HID	190	27000	140	4000	50000	70	321 × 156	1
HB P 190W 840 110DEG IP65	4058075692817	500 W HID	190	27000	140	4000	50000	110	321 × 156	1
HB P 190W 865 70DEG IP65	4058075692879	500 W HID	190	27000	140	6500	50000	70	321 × 156	1
HB P 190W 865 110DEG IP65	4058075764255	500 W HID	190	27000	140	6500	50000	110	321 × 156	1
HB P 210W 840 70DEG IP65	4058075692831	500 W HID	210	30000	140	4000	50000	70	321 × 156	1
HB P 210W 865 70DEG IP65	4058075692886	500 W HID	210	30000	140	6500	50000	70	321 × 156	1

## HIGH BAY SENSOR GEN 4

High bay luminaires in IP65 with high frequency sensor



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>2</sup>	°	L × W × H [mm] Ø × H [mm]	Light No.
HB SEN P 87W 840 110DEG IP65	4058075603257	250 W HID	87	13000	150	4000	50000	110	280 × 190	2
HB SEN P 147W 840 70DEG IP65	4058075603271	400 W HID	147	22000	150	4000	50000	70	321 × 188	2
HB SEN P 147W 840 110DEG IP65	4058075603264	400 W HID	147	22000	150	4000	50000	110	321 × 188	2
HB SEN P 190W 840 110DEG IP65	4058075603288	500 W HID	190	27000	140	4000	50000	110	321 × 192	2

## SENSOR PROPERTIES

Product name	Type of sensor	Sensor technology	Detection threshold of daylight sensor	Detection range of motion sensor	Sensor detection angle	Sensor controlled switching time
HB SEN P 87W 840 110DEG IP65	Motion/Light	Microwave	100 lx	6...15 m	< 150°	30 s...10 min
HB SEN P 147W 840 70DEG IP65	Motion/Light	Microwave	100 lx	6...15 m	< 150°	30 s...10 min
HB SEN P 147W 840 110DEG IP65	Motion/Light	Microwave	100 lx	6...15 m	< 150°	30 s...10 min
HB SEN P 190W 840 110DEG IP65	Motion/Light	Microwave	100 lx	6...15 m	< 150°	30 s...10 min

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)

## HIGH BAY GEN 3 DALI

LED high-bay luminaires with DALI interface



### PRODUCT FEATURES

- Robust aluminum housing with 1.5 m connection cable 3 × 1.5 mm<sup>2</sup>, high-quality PC cover
- Ambient temperature in operation: -30...+50 °C
- High luminous efficacy: up to 140 lm/W
- Includes mounting hook for suspended installation. Surface-mounting possible via separate bracket.
- Type of protection: IP65

### PRODUCT BENEFITS

- High luminous efficacy
- Usable from 6 m to 14 m ceiling height
- Low flicker light thanks to special electronic control gear
- D-marking for mounting on surfaces with limited surface temperature
- 5 years guarantee

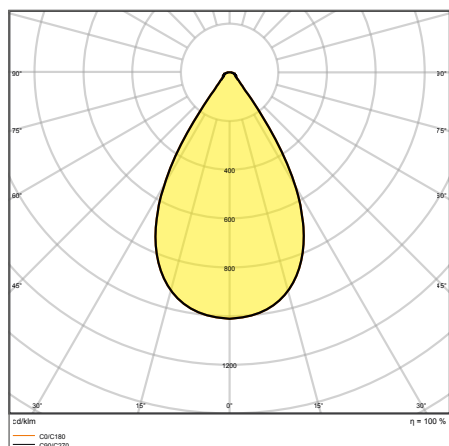
### AREAS OF APPLICATION

- Replacement for high bay luminaires with mercury vapor or metal halide lamps
- Warehouses
- Logistics halls
- Industry
- High ceiling (e.g. in shopping malls, airports, commercial buildings, lobbies)

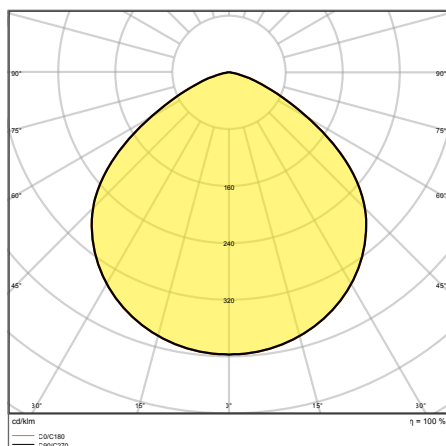
### EQUIPMENT / ACCESSORIES

- Mounting hook included
- Mounting brackets, reflectors and refractors available as optional separate accessory\*

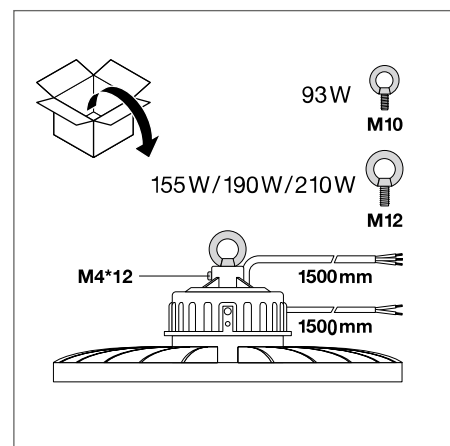
### FURTHER PRODUCT DETAILS



HB DALI 190 W-4000 K 70DEG IP65



HB DALI 190 W-4000 K 110DEG IP65



DALI versions

\*All DALI versions include mounting brackets. The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

## HIGH BAY GEN 3 DALI

LED high-bay luminaires with DALI interface



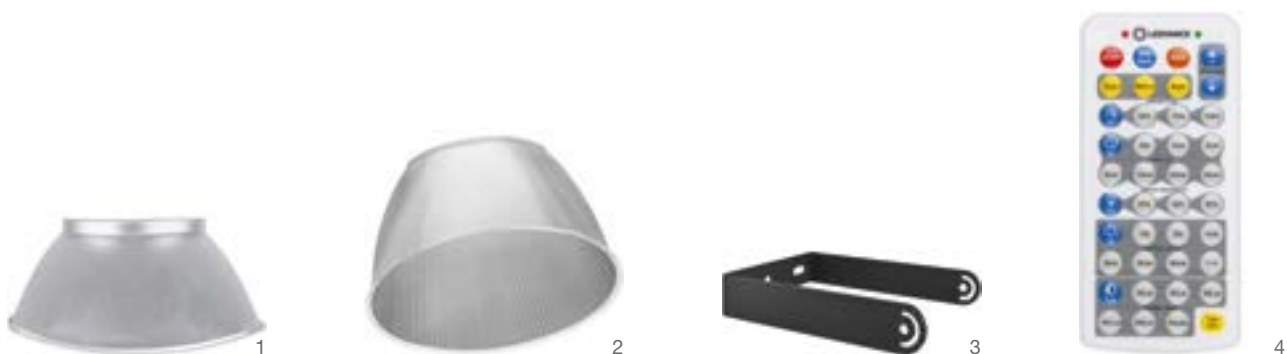
Product name	EAN (GTIN)	W	lm	lm/W	K	L80 <sup>2</sup>			L x W x H [mm] Ø x H [mm]
HB DALI 93 W-4000 K 70DEG IP65	4058075543911	93	13000	140	4000	50000	70	DALI-2	280 x 160
HB DALI 93 W-4000 K 110DEG IP65	4058075543904	93	13000	141	4000	50000	110	DALI-2	280 x 160
HB DALI 155 W-4000 K 70DEG IP65	4058075543935	155	22000	142	4000	50000	70	DALI-2	321 x 163
HB DALI 155 W-4000 K 110DEG IP65	4058075543928	155	22000	143	4000	50000	110	DALI-2	321 x 163
HB DALI 190 W-4000 K 70DEG IP65	4058075543959	190	27000	144	4000	50000	70	DALI-2	321 x 168
HB DALI 190 W-4000 K 110DEG IP65	4058075543942	190	27000	145	4000	50000	110	DALI-2	321 x 168
HB DALI 210 W-4000 K 70DEG IP65	4058075543966	210	30000	146	4000	50000	70	DALI-2	321 x 168

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)



## HIGH BAY ACCESSORIES

Reflectors, refractors and mounting accessories for HIGH BAY luminaires



- High quality aluminum reflector
- High quality polycarbonate refractor
- Brackets made of black steel with adjustable swivel angle:  $\pm 90^\circ$ \*
- Remote control for advanced sensor settings

Product name	EAN (GTIN)	L × W × H [mm] Ø × H [mm]	MATERIAL	COLOR		
HB ALU REFLECTOR 87W	4058075 <b>699397</b>	415 × 205	Aluminum	Silver	1	1
HB ALU REFLECTOR 93 W	4058075 <b>507043</b>	415 × 208	Aluminum	Silver	2	—
HB ALU REFLECTOR 155 W - 210 W	4058075 <b>507050</b>	499 × 81	Aluminum	Silver	2	—
HB ALU REFLECTOR 147 190 210W	4058075 <b>699410</b>	500 × 235	AluminumSilver	Silver	1	1
HB PC REFRACTOR 87W	4058075 <b>699359</b>	413 × 205	Polycarbonate (PC)	Transparent	1	2
HB PC REFRACTOR 93 W	4058075 <b>507029</b>	309 × 76	Polycarbonate (PC)	—	2	—
HB PC REFRACTOR 147 190 210W	4058075 <b>699373</b>	480 × 250	Polycarbonate (PC)	Transparent	1	2
HB PC REFRACTOR 155 W - 210 W	4058075 <b>507036</b>	414 × 138	Polycarbonate (PC)	—	2	—
HB BRACKET 87 147 190 210W	4058075 <b>695191</b>	138 × 35 × 150	Steel	Black	1	3
HB BRACKET 190 W - 210 W	4058075 <b>505308</b>	— × 150	Steel	Black	1	3
HB SENSOR REMOTE CONTROL 93W - 190W	4058075 <b>611436</b>	117 × 56 × 15	Polycarbonate (PC)	—	1	4

\* Bracket only for standard types. Sensor types already include bracket.

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

## COMPATIBILITY OF HIGH BAY ACCESSORIES

Product name	EAN (GTIN)	HB Gen 4 Compatibility*
HB ALU REFLECTOR 87W	4058075 <b>699397</b>	✓
HB ALU REFLECTOR 93W	4058075 <b>507043</b>	Fits to 87W
HB ALU REFLECTOR 155W-210W	4058075 <b>507050</b>	Fits to 147W, 190W, 210W
HB ALU REFLECTOR 147 190 210W	4058075 <b>699410</b>	✓
HB PC REFRACTOR 87W	4058075 <b>699359</b>	✓
HB PC REFRACTOR 93W	4058075 <b>507029</b>	Fits to 87W
HB PC REFRACTOR 147 190 210W	4058075 <b>699373</b>	✓
HB PC REFRACTOR 155W-210W	4058075 <b>507036</b>	Fits to 147W, 190W, 210W
HB BRACKET 87 147 190 210W	4058075 <b>695191</b>	✓
HB BRACKET 190W-210W	4058075 <b>505308</b>	Fits to all wattages

\* Not for High Bay Sensor & DALI types. Brackets are already included with each of these types.

## HIGH BAY COMPACT

High bay luminaires up to 120 lm/W



### PRODUCT FEATURES

- Operating temperature: -20...45 °C
- Black aluminum housing, tempered glass cover
- Opal cover
- Type of protection: IP65
- Lifetime (L70): up to 50 000 h
- High luminous efficacy: up to 120 lm/W

### PRODUCT BENEFITS

- Modern exclusive design
- Energy savings of up to 60 % compared to conventional high bay luminaires
- 3 years guarantee
- Optimized weight and size due to compact design

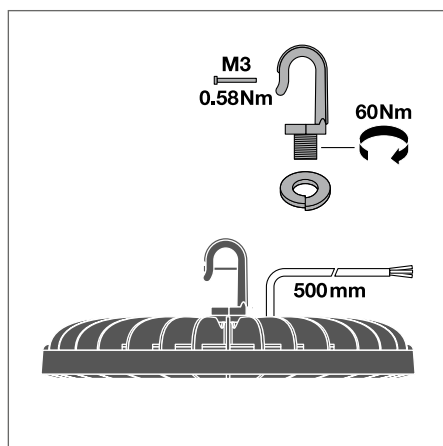
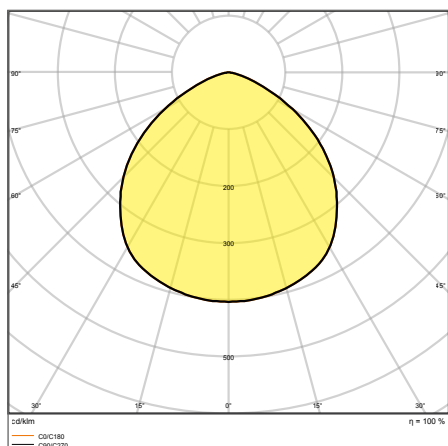
### AREAS OF APPLICATION

- Replacement for high bay luminaires with mercury vapor or metal halide lamps
- Warehouses
- Logistics halls
- Industry
- High ceiling (e.g. in shopping malls, airports, commercial buildings, lobbies)

### EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available as an optional accessory

### FURTHER PRODUCT DETAILS



HB COMP V 83W 840 110DEG IP65

## HIGH BAY COMPACT

High bay luminaires up to 120 lm/W



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
HB COMP V 83W 840 110DEG IP65 VS1	4058075708174	250W HID	83	10000	120	4000	45000	110	180 x 50
HB COMP V 83W 865 110DEG IP65 VS1	4058075708211	250W HID	83	10000	120	6500	45000	110	180 x 50
HB COMP V 133W 840 110DEG IP65 VS1	4058075708181	400W HID	133	16000	120	4000	45000	110	220 x 50
HB COMP V 133W 865 110DEG IP65	4058075764453	400W HID	133	16000	120	6500	45000	110	220 x 50
HB COMP V 166W 840 110DEG IP65 VS1	4058075708198	500W HID	166	20000	120	4000	45000	110	260 x 50
HB COMP V 166W 865 110DEG IP65 VS1	4058075708228	500W HID	166	20000	120	6500	45000	110	260 x 50
HB COMP V 225W 840 110DEG IP65 VS1	4058075708204	500W HID	225	27000	120	4000	45000	110	300 x 50
HB COMP V 225W 865 110DEG IP65	4058075775138	500W HID	225	27000	120	6500	45000	110	300 x 50

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25°C (T<sub>a</sub>)/t[h]: L80/B10 @ 25°C (T<sub>a</sub>)

## HIGH BAY COMPACT ACCESSORIES

Reflectors and mounting accessories for HIGH BAY COMPACT luminaires



1



2

- Reflector Beam angle: 80°
- High-quality aluminum reflector
- Brackets made of black steel
- Bracket's adjustable swivel angle: ±60°



Product name	EAN (GTIN)	L × W × H [mm] ∅ × H [mm]	MATERIAL	COLOR			
HB COMP V REFL 83W 80DEG SI	4058075715233	274 × 70	Aluminum	Silver	80	2	1
HB COMP V REFL 133W 80DEG SI	4058075715240	320 × 80	Aluminum	Silver	80	2	1
HB COMP V REFL 166W 80DEG SI	4058075715257	363 × 112	Aluminum	Silver	80	2	1
HB COMP V REFL 225W 80DEG SI	4058075715264	475 × 140	Aluminum	Silver	80	2	1
HB COMP V BRACKET 83W	4058075715271	116 × 22 × 78	Steel	Black	—	1	2
HB COMP V BRACKET 133W	4058075715295	152 × 22 × 108	Steel	Black	—	1	2
HB COMP V BRACKET 166W	4058075715318	190 × 35 × 123	Steel	Black	—	1	2
HB COMP V BRACKET 225W	4058075715332	233 × 35 × 138	Steel	Black	—	1	2

<sup>1</sup>Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.





# LOW-BAY LUMINAIRES

A MULTI-TALENTED SOLUTION FOR CEILINGS UP TO 14 METERS HIGH

## LOW BAY FLEX

Page 188



PERFOR-  
MANCE  
CLASS



### LUMINAIRE DESIGNED FOR VARIOUS APPLICATIONS

- Economical thanks to high luminous efficacy up to 160 lm/W
- Easy and quick installation thanks to toolless connector box with 5- and 7-pole terminals



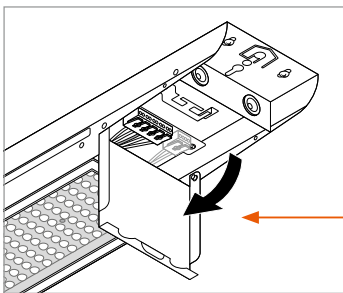


# LOW BAY FLEX: A MULTI-TALENTED SOLUTION FOR CEILING HEIGHTS UP TO 14 METERS HIGH

The LOW BAY FLEX luminaires are designed for various applications such as warehouses and logistics centers with ceiling heights between 4 and 14 meters. Using the new BALL PROOF COVER accessory, the LOW BAY FLEX can be easily transformed for use in applications that require certified ball-proof protection such as indoor sporting facilities. This easy-to-install solution offers high efficiency of up to 160 lm/W and a life of up to 100 000 hours<sup>1</sup>. It covers many different applications thanks to various mounting options and 4 beam angles. Tool-free open/close end caps, pre-mounted clamps for strain relief and complete through-wiring make installation effortless for larger installations.

## CONVENIENT AND TIME-SAVING: WIRING

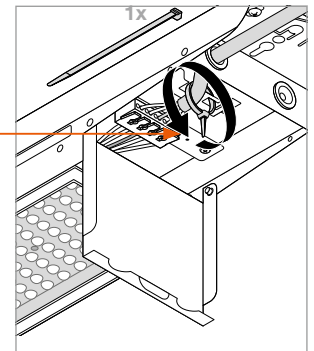
The end caps can be opened and the electrical wiring can be connected without any tools. And the pre-mounted clamp for strain relief makes installation even easier.



Tool-free open/close end caps giving access to electrical connectors



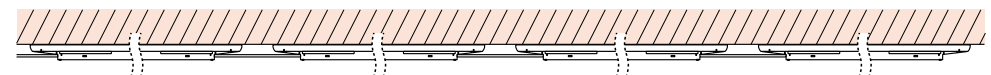
Tool-free electrical connectors



Pre-mounted clamp for power cable strain relief via simple cable clip (not included)

## COMPLETE THROUGH-WIRING POSSIBLE

LOW BAY FLEX luminaires are well equipped for complete through-wiring – in both ON/OFF and DALI operation.

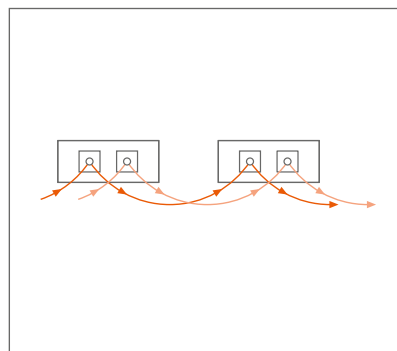


1 x LOW BAY FLEX / LOW BAY FLEX DALI

2 x LOW BAY FLEX / LOW BAY FLEX DALI

3 x LOW BAY FLEX / LOW BAY FLEX DALI

n x LOW BAY FLEX / LOW BAY FLEX DALI



	B16	C10	C16
LOWBAY FLEX 1200 P 42W	18	19	30
LOWBAY FLEX 1200 P 73W	13	13	22
LOWBAY FLEX 1200 DALI P 42W	16	10	16
LOWBAY FLEX 1200 DALI P 73W	27	23	36
LOWBAY FLEX 1500 P 73W	13	13	22
LOWBAY FLEX 1500 P 105W	10	11	18
LOWBAY FLEX 1500 P 140W	9	9	15
LOWBAY FLEX 1500 DALI P 73W	27	23	36
LOWBAY FLEX 1500 DALI P 105W	27	17	28
LOWBAY FLEX 1500 DALI P 140W	16	10	16

<sup>1</sup>t [h]: L70/B50 @ 25°C (T<sub>a</sub>)

## LOW BAY FLEX

Low-bay luminaires with attractive linear design, up to 160 lm/W



### PRODUCT FEATURES

- Different luminous flux and beam angle for mounting heights of ~4 m to ~10 m in 4000 K
- Through-wiring cable already installed
- Long lifetime (L80/B10): up to 100 000 h
- High color consistency:  $\leq 3$  SDCM

### PRODUCT BENEFITS

- Economical thanks to high luminous efficacy up to 160 lm/W
- Easy and quick installation thanks to toolless connector box with 5- and 7-pole terminals
- Modern and robust design
- 5 years guarantee

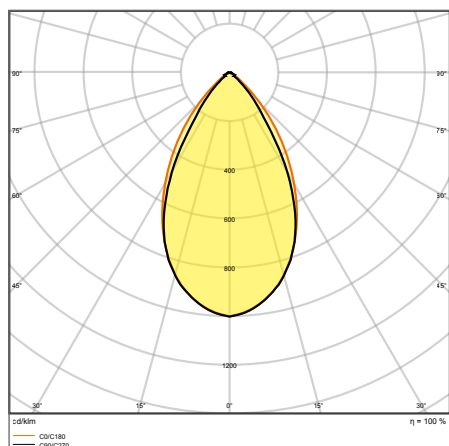
### AREAS OF APPLICATION

- Replacement for luminaires with mercury vapor or metal halide lamps
- Warehouses
- Logistics halls
- Industrial and storage facilities
- Discounters, supermarkets

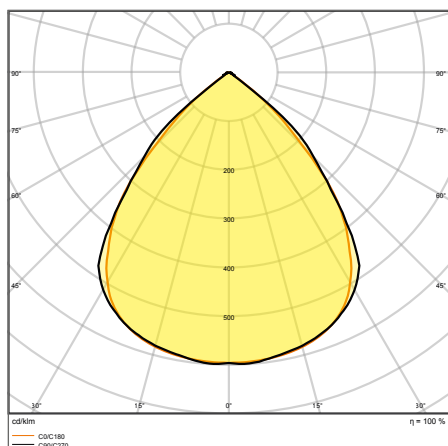
### EQUIPMENT/ACCESSORIES

- Suspension kit available as optional separate accessory.

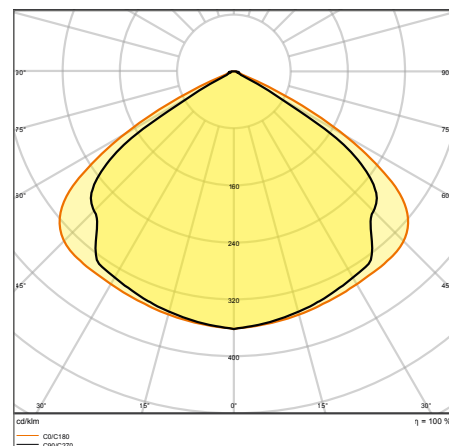
### FURTHER PRODUCT DETAILS



LB FLEX 1500 P 105W 840 N



LB FLEX 1500 P 105W 840 W



LB FLEX 1500 P 105W 840 VW

## LOW BAY FLEX

Low-bay luminaires with attractive linear design, up to 160 lm/W



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>2</sup>	⌒	L x W x H [mm] Ø x H [mm]
<b>NEW</b> LB FLEX 1200 P 42W 840 N	4099854163654	2 x 54W FL T5	42	6510	155	4000	100000	60	1236 x 115 x 65
LB FLEX 1200 P 42W 840 W	4058075676060	2 x 58W FL	42	6510	155	4000	100000	90	1236 x 115 x 65
LB FLEX 1200 P 42W 840 VW	4058075676084	2 x 58W FL	42	6510	155	4000	100000	120	1236 x 115 x 65
<b>NEW</b> LB FLEX 1200 P 42W 840 OV	4099854163838	2 x 54W FL T5	42	6510	155	4000	100000	40 x 90	1236 x 115 x 65
<b>NEW</b> LB FLEX 1200 P 73W 840 N	4099854163876	3 x 54W FL T5	73	11315	155	4000	100000	60	1236 x 115 x 65
LB FLEX 1200 P 73W 840 W	4058075676107	4 x 58W FL	73	11315	155	4000	100000	90	1236 x 115 x 65
LB FLEX 1200 P 73W 840 VW	4058075676121	4 x 58W FL	73	11315	155	4000	100000	120	1236 x 115 x 65
<b>NEW</b> LB FLEX 1200 P 73W 840 OV	4099854164118	3 x 54W FL T5	73	11315	155	4000	100000	40 x 90	1236 x 115 x 65
<b>NEW</b> LB FLEX 1500 P 73W 840 N	4099854164248	2 x 80W FL T5	73	11680	160	4000	100000	60	1527 x 115 x 65
<b>NEW</b> LB FLEX 1500 P 73W 840 W	4099854164262	2 x 80W FL T5	73	11680	160	4000	100000	90	1527 x 115 x 65
<b>NEW</b> LB FLEX 1500 P 73W 840 VW	4099854164286	2 x 80W FL T5	73	11680	160	4000	100000	120	1527 x 115 x 65
<b>NEW</b> LB FLEX 1500 P 73W 840 OV	4099854164309	2 x 80W FL T5	73	11680	160	4000	100000	40 x 90	1527 x 115 x 65
LB FLEX 1500 P 105W 840 N	4058075676244	4 x 80W FL	105	16800	160	4000	100000	60	1527 x 115 x 65
LB FLEX 1500 P 105W 840 W	4058075676268	4 x 80W FL	105	16800	160	4000	100000	90	1527 x 115 x 65
LB FLEX 1500 P 105W 840 VW	4058075676282	4 x 80W FL	105	16800	160	4000	100000	120	1527 x 115 x 65
<b>NEW</b> LB FLEX 1500 P 105W 840 OV	4099854163616	3 x 80W FL T5	105	16800	155	4000	100000	40 x 90	1527 x 115 x 65
<b>NEW</b> LB FLEX 1500 P 140W 840 N	4099854163630	4 x 80W FL T5	140	22000	155	4000	100000	60	1527 x 115 x 65
<b>NEW</b> LB FLEX 1500 P 140W 840 W	4099854163678	4 x 80W FL T5	140	22000	155	4000	100000	90	1527 x 115 x 65
<b>NEW</b> LB FLEX 1500 P 140W 840 VW	4099854163692	4 x 80W FL T5	140	22000	155	4000	100000	120	1527 x 115 x 65
<b>NEW</b> LB FLEX 1500 P 140W 840 OV	4099854163715	4 x 80W FL T5	140	22000	155	4000	100000	40 x 90	1527 x 115 x 65

## LOW BAY FLEX DALI

Low-bay luminaires with attractive linear design, up to 160 lm/W with DALI-2 technology



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>2</sup>	⌒	⌒	L x W x H [mm] Ø x H [mm]
<b>NEW</b> LB FLEX 1200 DALI P 42W 840 N	4099854164132	2 x 54W FL T5	42	6510	155	4000	100000	60	DALI2	1236 x 115 x 65
LB FLEX 1200 DALI P 42W 840 W	4058075676145	2 x 58W FL	42	6510	155	4000	100000	90	DALI2	1236 x 115 x 65
LB FLEX 1200 DALI P 42W 840 VW	4058075676169	2 x 58W FL	42	6510	155	4000	100000	120	DALI2	1236 x 115 x 65
<b>NEW</b> LB FLEX 1200 DALI P 42W 840 OV	4099854164156	2 x 54W FL T5	42	6510	155	4000	100000	40 x 90	DALI2	1236 x 115 x 65
<b>NEW</b> LB FLEX 1200 DALI P 73W 840 N	4099854164170	3 x 54W FL T5	73	11315	155	4000	100000	60	DALI2	1236 x 115 x 65
LB FLEX 1200 DALI P 73W 840 W	4058075676206	4 x 58W FL	73	11315	155	4000	100000	90	DALI2	1236 x 115 x 65
LB FLEX 1200 DALI P 73W 840 VW	4058075676220	4 x 58W FL	73	11315	155	4000	100000	120	DALI2	1236 x 115 x 65
<b>NEW</b> LB FLEX 1200 DALI P 73W 840 OV	4099854164224	3 x 54W FL T5	73	11315	155	4000	100000	40 x 90	DALI2	1236 x 115 x 65
<b>NEW</b> LB FLEX 1500 DALI P 73W 840 N	4099854163753	2 x 80W FL T5	73	11680	160	4000	100000	60	DALI2	1527 x 115 x 65
<b>NEW</b> LB FLEX 1500 DALI P 73W 840 W	4099854163791	2 x 80W FL T5	73	11680	160	4000	100000	90	DALI2	1527 x 115 x 65
<b>NEW</b> LB FLEX 1500 DALI P 73W 840 VW	4099854163814	2 x 80W FL T5	73	11680	160	4000	100000	120	DALI2	1527 x 115 x 65
<b>NEW</b> LB FLEX 1500 DALI P 73W 840 OV	4099854163852	2 x 80W FL T5	73	11680	160	4000	100000	40 x 90	DALI2	1527 x 115 x 65
LB FLEX 1500 DALI P 105W 840 N	4058075676305	4 x 80W FL	105	16800	160	4000	100000	60	DALI2	1527 x 115 x 65
LB FLEX 1500 DALI P 105W 840 W	4058075676329	4 x 80W FL	105	16800	160	4000	100000	90	DALI2	1527 x 115 x 65
LB FLEX 1500 DALI P 105W 840 VW	4058075676343	4 x 80W FL	105	16800	160	4000	100000	120	DALI2	1527 x 115 x 65
<b>NEW</b> LB FLEX 1500 DALI P 105W 840 OV	4099854163975	3 x 80W FL T5	105	16800	160	4000	100000	40 x 90	DALI2	1527 x 115 x 65
<b>NEW</b> LB FLEX 1500 DALI P 140W 840 N	4099854163999	4 x 80W FL T5	140	22000	155	4000	100000	60	DALI2	1527 x 115 x 65
<b>NEW</b> LB FLEX 1500 DALI P 140W 840 W	4099854164019	4 x 80W FL T5	140	22000	155	4000	100000	90	DALI2	1527 x 115 x 65
<b>NEW</b> LB FLEX 1500 DALI P 140W 840 VW	4099854164033	4 x 80W FL T5	140	22000	155	4000	100000	120	DALI2	1527 x 115 x 65
<b>NEW</b> LB FLEX 1500 DALI P 140W 840 OV	4099854164071	4 x 80W FL T5	140	22000	155	4000	100000	40 x 90	DALI2	1527 x 115 x 65

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions | <sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)



# PERFECT FOR INDOOR SPORTING FACILITIES

## BALL PROOF COVER AND ANGULATION MOUNTING KIT

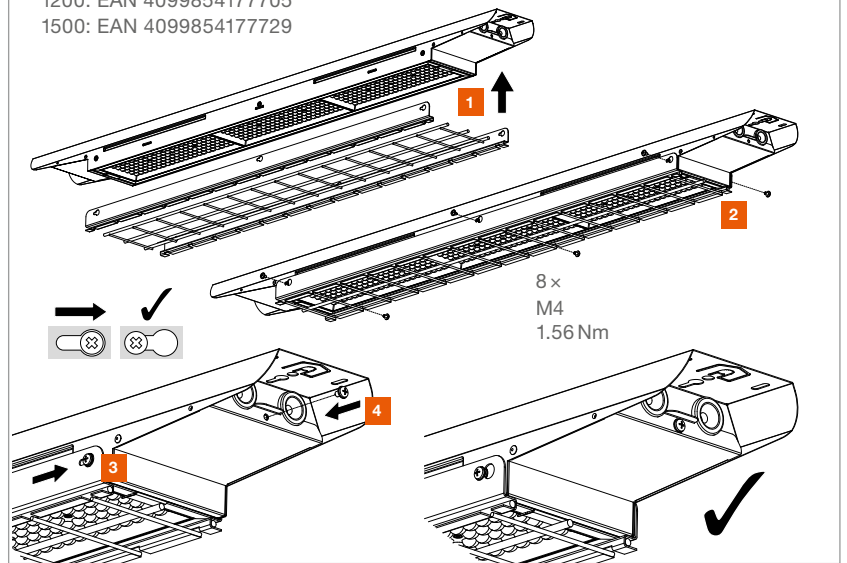
### BALL PROOF COVER

The new separately available to order BALL PROOF COVER accessory can be easily attached in 4 easy steps to the LOW BAY FLEX luminaires providing them with certified ball-proof protection for use in indoor sporting facilities.



### 4 EASY MOUNTING STEPS

LOWBAY FLEX 1200/1500 P / LOWBAY FLEX 1200/1500 DALI P  
 + LB FLEX 1200/1500 BALL PROOF COVER  
 1200: EAN 4099854177705  
 1500: EAN 4099854177729

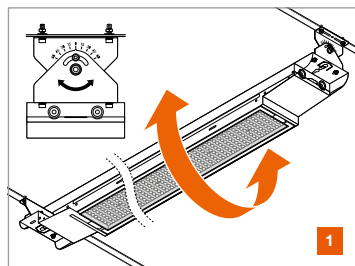


### ANGULATION MOUNTING KIT

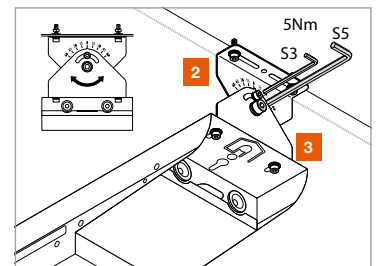
This kit allows the LOW BAY FLEX luminaire to be mounted in a tilted position, for applications such as the illumination of indoor tennis courts where direct overhead light is not permitted.



Angulation mounting kit shown with LOW BAY FLEX.



To mount, tilt luminaire to set the desired angle.



Fix angle on angulation mounting kit using two screws as shown.

## LOW BAY FLEX ACCESSORIES

Accessories for LOW BAY FLEX luminaires



### Suspension Kit:

- Wire suspension with bracket and 5 m adjustable steel cable
- Easy installation with click-in suspension brackets

### Ball Proof Cover:

- Easy installation with 6 included screws
- Ball-proof cover with increased physical robustness (according to DIN 18032-3 and DIN 57710-13)
- Ball-proof certification only valid when luminaire is surface mounted

### Angulation Mounting Kit:

- Enables tilting angle adjustment
- Easy installation and simple handling



Product name	EAN (GTIN)	L x W x H [mm] Ø x H [mm]	MATERIAL	No.	No.
LB FLEX SUSPENSION KIT BT1	4058075 <b>693722</b>	125 x 30 x 46	Steel	1	1
<b>NEW</b> LB FLEX 1200 BP COVER	40998541 <b>77705</b>	915 x 119 x 39	Steel	1	2
<b>NEW</b> LB FLEX 1500 BP COVER	40998541 <b>77729</b>	1206 x 119 x 39	Steel	1	2
<b>NEW</b> LB FLEX ANGULATION MOUNTING KIT	40998541 <b>77934</b>	90 x 42 x 71	Steel	2	3

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.



# FLOODLIGHTS

THE RIGHT ILLUMINATION FOR A WIDE VARIETY OF OUTDOOR AREA AND SPORTS LIGHTING PROJECTS

## GENERAL OUTDOOR LIGHTING



### FLOODLIGHT: POWERFUL ALL-ROUNDERS



Broad floodlight portfolio for highly efficient and long-lasting illumination across a wide range of applications.

PERFORMANCE CLASS

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### FLOODLIGHT SENSOR AND PHOTOCELL SENSOR: INTELLIGENT AND EFFICIENT

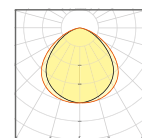


Luminaires with programmable, adjustable IP65 daylight and motion sensor. As well as products with highly protected photocell daylight sensor.

PERFORMANCE CLASS

Page 198

Distribution of light  
SYM 100



Symmetrical light pattern 100° x 100°  
General outdoor and facade lighting



### FLOODLIGHT COMPACT: VERSATILE

Luminaires equipped with all essential features for safe and worry-free outdoor lighting.

VALUE CLASS

Page 202



### FLOODLIGHT COMPACT SENSOR: FUNCTIONAL

Luminaires for optimized outdoor lighting by means of motion and daylight sensor.

VALUE CLASS

Page 204





## AREA & SPORTS LIGHTING



### FLOODLIGHT MAX: HIGHEST LUMEN OUTPUT

Extremely robust, yet very modular high-power floodlight with four beam angles and up to 164 000 lumen light output. Suitable for replacing high-pressure discharge luminaires of up to 2 kW.

PERFORMANCE CLASS

Page 206

<p><b>Distribution of light SYM 10</b></p> <p><b>Symmetrical 10°</b> Illumination of small areas with very high light level requirements</p>	<p><b>Distribution of light SYM 30</b></p> <p><b>Symmetrical 30°</b> Illumination of sports grounds and applications that require high illumination levels</p>	<p><b>Distribution of light SYM 60</b></p> <p><b>Symmetrical 60°</b> Illumination of sports areas and applications with high or medium light levels</p>	<p><b>Distribution of light ASYM 50 x 110</b></p> <p><b>Asymmetrical wide beam 50° x 110°</b> Illumination of areas, parking lots and sports grounds</p>
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Typical application results with products installed as displayed. Grey dot shows mast position.



### FLOODLIGHT PERFORMANCE: POWERFUL AND PRECISE

Highly durable and efficient floodlights, with up to 140 lm/W. Available in four light distributions and light output configurations ranging from 6300 to 40 800 lumen, ideal for replacing conventional luminaires and new installations alike. Also available with DALI connectivity.

PERFORMANCE CLASS

Page 210

<p><b>Distribution of light ASYM 55 x 110</b></p> <p><b>Asymmetrical wide beam 55° x 110°</b> Illumination of areas, parking lots, sports grounds and facades</p>	<p><b>Distribution of light ASYM 45 x 140</b></p> <p><b>Asymmetrical extra wide beam 45° x 140°</b> Illumination of areas, parking lots and (industrial) roads with wide mast spacing</p>	<p><b>Distribution of light SYM R30</b></p> <p><b>Rotationally symmetrical 30°</b> Illumination of sports grounds and applications that require high illuminance levels</p>	<p><b>Distribution of light SYM 60</b></p> <p><b>Symmetrical 60°</b> Illumination of sports areas and applications with high or medium light levels</p>
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Typical application results with products installed as displayed. Grey dot shows mast position.



### FLOODLIGHT AREA: UNIVERSAL LIGHT

Highly efficient and flexible floodlight for universal area lighting.

VALUE CLASS

Page 216



<p><b>Distribution of light ASYM 48 x 92</b></p> <p><b>Assymmetric beam angle 48° x 92°</b> Ideal for area and small field sports lighting</p>
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Typical application results with products installed as displayed. Grey dot shows mast position.

## FLOODLIGHT 10W – 50W

Floodlight with reflector based, symmetric light distribution up to 120 lm/W



### PRODUCT FEATURES

- Aluminum housing with toughened glass, black or white
- Symmetrical beam angle: 100° × 100°
- Mounting bracket with 30° angle and wide rotation
- Connection via flexible 1 m cable, wiring required
- Surge protection: up to 4 kV (L/N-PE), 2 kV (L-N)

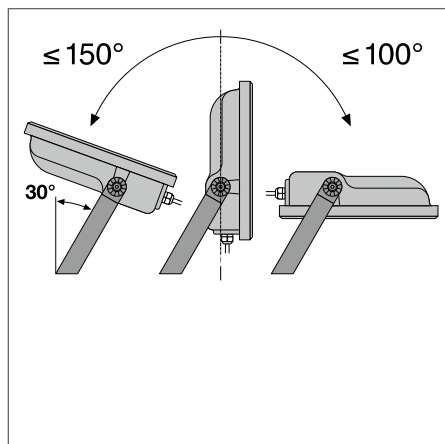
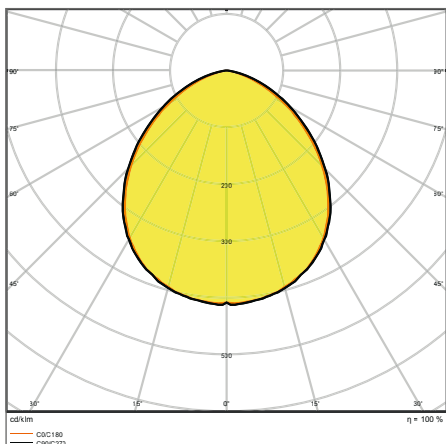
### PRODUCT BENEFITS

- Frosted cover made of tempered glass for uniform illumination
- Energy savings of up to 90 % compared to halogen lamp floodlights
- No upper light output ratio (ULOR 0 %) when mounted at 0° tilt
- Impact resistance: IK07
- 5 years guarantee

### AREAS OF APPLICATION

- Replacement for floodlights with halogen lamps
- Outdoor use (IP65)
- Public areas
- Building facades
- Construction areas

### FURTHER PRODUCT DETAILS



FL PFM 50 W 6500 K SYM 100 WT

## FLOODLIGHT 10 W – 50 W

Floodlight with reflector based, symmetric light distribution up to 120 lm/W

PERFOR-  
MANCE  
CLASSCRI  
≥ 80

IP65

IK07

LEDVANCE<sup>1</sup>  
5  
year  
guarantee

Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
FL PFM 10 W 3000 K SYM 100 BK	4058075420847	80W HAL	10	1100	110	3000	55000	100 x 100	122 x 131 x 36
FL PFM 10 W 3000 K SYM 100 WT	4058075420861	80W HAL	10	1100	110	3000	55000	100 x 100	122 x 131 x 36
FL PFM 10 W 4000 K SYM 100 BK	4058075420885	80W HAL	10	1200	120	4000	55000	100 x 100	122 x 131 x 36
FL PFM 10 W 4000 K SYM 100 WT	4058075420908	80W HAL	10	1200	120	4000	55000	100 x 100	122 x 131 x 36
FL PFM 10 W 6500 K SYM 100 BK	4058075420922	80W HAL	10	1200	120	6500	55000	100 x 100	122 x 131 x 36
FL PFM 10 W 6500 K SYM 100 WT	4058075420946	80W HAL	10	1200	120	6500	55000	100 x 100	122 x 131 x 36
FL PFM 20 W 3000 K SYM 100 BK	4058075420960	160W HAL	20	2200	110	3000	55000	100 x 100	144 x 156 x 42
FL PFM 20 W 3000 K SYM 100 WT	4058075420991	160W HAL	20	2200	110	3000	55000	100 x 100	144 x 156 x 42
FL PFM 20 W 4000 K SYM 100 BK	4058075421011	160W HAL	20	2400	120	4000	55000	100 x 100	144 x 156 x 42
FL PFM 20 W 4000 K SYM 100 WT	4058075421035	160W HAL	20	2400	120	4000	55000	100 x 100	144 x 156 x 42
FL PFM 20 W 6500 K SYM 100 BK	4058075421059	160W HAL	20	2400	120	6500	55000	100 x 100	144 x 156 x 42
FL PFM 20 W 6500 K SYM 100 WT	4058075421073	160W HAL	20	2400	120	6500	55000	100 x 100	144 x 156 x 42
FL PFM 30 W 3000 K SYM 100 BK	4058075421097	250W HAL	30	3300	110	3000	55000	100 x 100	177 x 186 x 42
FL PFM 30 W 3000 K SYM 100 WT	4058075421110	250W HAL	30	3300	110	3000	55000	100 x 100	177 x 186 x 42
FL PFM 30 W 4000 K SYM 100 BK	4058075421134	250W HAL	30	3600	120	4000	55000	100 x 100	177 x 186 x 42
FL PFM 30 W 4000 K SYM 100 WT	4058075421165	250W HAL	30	3600	120	4000	55000	100 x 100	177 x 186 x 42
FL PFM 30 W 6500 K SYM 100 BK	4058075421189	250W HAL	30	3600	120	6500	55000	100 x 100	177 x 186 x 42
FL PFM 30 W 6500 K SYM 100 WT	4058075421202	250W HAL	30	3600	120	6500	55000	100 x 100	177 x 186 x 42
FL PFM 50 W 3000 K SYM 100 BK	4058075421226	400W HAL	50	5500	110	3000	55000	100 x 100	206 x 218 x 46
FL PFM 50 W 3000 K SYM 100 WT	4058075421240	400W HAL	50	5500	110	3000	55000	100 x 100	206 x 218 x 46
FL PFM 50 W 4000 K SYM 100 BK	4058075421264	400W HAL	50	6000	120	4000	55000	100 x 100	206 x 218 x 46
FL PFM 50 W 4000 K SYM 100 WT	4058075421288	400W HAL	50	6000	120	4000	55000	100 x 100	206 x 218 x 46
FL PFM 50 W 6500 K SYM 100 BK	4058075421301	400W HAL	50	6000	120	6500	55000	100 x 100	206 x 218 x 46
FL PFM 50 W 6500 K SYM 100 WT	4058075421325	400W HAL	50	6000	120	6500	55000	100 x 100	206 x 218 x 46

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)

## FLOODLIGHT 65W – 200W

Floodlight with reflector based, symmetric light distribution up to 125 lm/W



### PRODUCT FEATURES

- Aluminum housing with toughened glass
- Symmetrical beam angle: 100° x 100°
- Mounting bracket with 30° angle and wide rotation
- Breather membrane to optimize air exchange, without compromising IP protection
- Surge protection: up to 6 kV (L/N-PE), 4 kV (L-N)

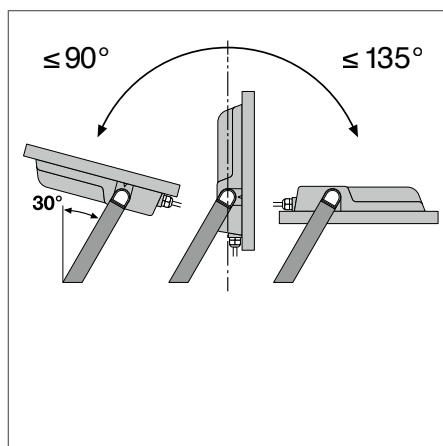
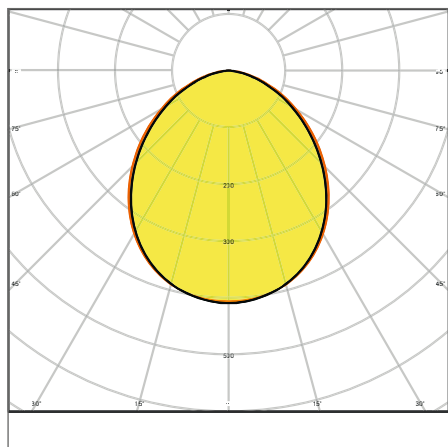
### PRODUCT BENEFITS

- Frosted cover made of tempered glass for uniform illumination
- Energy savings of up to 90 % compared to halogen lamp floodlights
- No upper light output ratio (ULOR 0 %) when mounted at 0° tilt
- Impact resistance: IK08
- 5 years guarantee

### AREAS OF APPLICATION

- Replacement for floodlights with halogen lamps
- Outdoor use (IP65)
- Public areas
- Building facades
- Construction areas

### FURTHER PRODUCT DETAILS



FL PFM 200 W 6500 K SYM 100 BK

## FLOODLIGHT 65 W – 200 W

Floodlight with reflector based, symmetric light distribution up to 125 lm/W

PERFORMANCE  
CLASS

Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>3</sup>		L x W x H [mm] Ø x H [mm]
FL PFM 65 W 3000 K SYM 100 BK	4058075422445	500 W HAL	65	7150	110	3000	55000	100 x 100	268 x 237 x 49
FL PFM 65 W 4000 K SYM 100 BK	4058075422469	500 W HAL	65	8000	123	4000	55000	100 x 100	268 x 237 x 49
FL PFM 65 W 6500 K SYM 100 BK	4058075422483	500 W HAL	65	8000	123	6500	55000	100 x 100	268 x 237 x 49
FL PFM 80 W 3000 K SYM 100 BK	4058075422506	750 W HAL	80	8800	110	3000	55000	100 x 100	335 x 250 x 55
FL PFM 80 W 4000 K SYM 100 BK	4058075422520	750 W HAL	80	10000	125	4000	55000	100 x 100	335 x 250 x 55
FL PFM 80 W 6500 K SYM 100 BK	4058075422544	750 W HAL	80	10000	125	6500	55000	100 x 100	335 x 250 x 55
FL PFM 125 W 3000 K SYM 100 BK	4058075423695	1000 W HAL	125	13750	110	3000	55000	100 x 100	381 x 290 x 59
FL PFM 125 W 4000 K SYM 100 BK	4058075423701	1000 W HAL	125	15000	120	4000	55000	100 x 100	381 x 290 x 59
FL PFM 125 W 6500 K SYM 100 BK	4058075423718	1000 W HAL	125	15000	120	6500	55000	100 x 100	381 x 290 x 59
FL PFM 165 W 3000 K SYM 100 BK	4058075423725	1500 W HAL	165	18150	110	3000	55000	100 x 100	418 x 322 x 60
FL PFM 165 W 4000 K SYM 100 BK	4058075423732	1500 W HAL	165	20000	121	4000	55000	100 x 100	418 x 322 x 60
FL PFM 165 W 6500 K SYM 100 BK	4058075423749	1500 W HAL	165	20000	121	6500	55000	100 x 100	418 x 322 x 60
FL PFM 200 W 3000 K SYM 100 BK	4058075423756	2000 W HAL	200	22000	110	3000	55000	100 x 100	454 x 354 x 62
FL PFM 200 W 4000 K SYM 100 BK	4058075423763	2000 W HAL	200	25000	125	4000	55000	100 x 100	454 x 354 x 62
FL PFM 200 W 6500 K SYM 100 BK	4058075423770	2000 W HAL	200	25000	125	6500	55000	100 x 100	454 x 354 x 62

<sup>1</sup> Applies only to 125 W, 165 W and 200 W<sup>2</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions<sup>3</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)

## FLOODLIGHT SENSOR

Floodlight with flexible motion and daylight sensor



### PRODUCT FEATURES

- Aluminum housing with toughened glass, black or white
- Symmetrical beam angle: 100° × 100°
- Mounting bracket with 30° angle and wide rotation
- PIR motion and daylight sensor
- Connection via flexible 1 m cable, wiring required

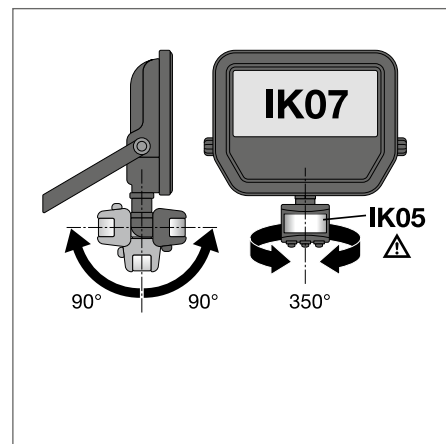
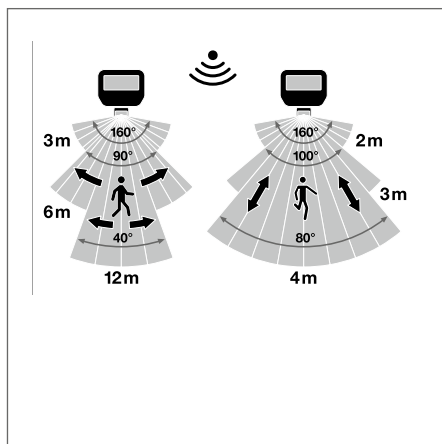
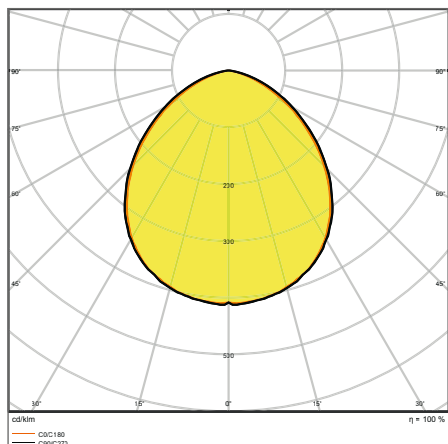
### PRODUCT BENEFITS

- Demand optimized illumination due to flexible and programmable sensor
- Easy configuration of sensor range, daylight and motion detection via rotary switch
- Always-on override, activated via special mains switching pattern
- No upper light output ratio (ULOR 0%) when mounted at 0° tilt
- 5 years guarantee

### AREAS OF APPLICATION

- Replacement for floodlights with halogen lamps
- Outdoor use (IP65)
- Public areas
- Building facades
- Construction areas

### FURTHER PRODUCT DETAILS



FL PFM 50 W 4000 K SYM 100 S BK



## FLOODLIGHT SENSOR

Floodlight with flexible motion and daylight sensor

PERFORMANCE  
CLASS

Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
FL PFM 10 W 3000 K SYM 100 S BK	4058075460836	80W HAL	10	1100	110	3000	55000	100 x 100	159 x 131 x 53
FL PFM 10 W 3000 K SYM 100 S WT	4058075460850	80W HAL	10	1100	110	3000	55000	100 x 100	159 x 131 x 53
FL PFM 10 W 4000 K SYM 100 S BK	4058075460874	80W HAL	10	1200	120	4000	55000	100 x 100	159 x 131 x 53
FL PFM 10 W 4000 K SYM 100 S WT	4058075460898	80W HAL	10	1200	120	4000	55000	100 x 100	159 x 131 x 53
FL PFM 20 W 3000 K SYM 100 S BK	4058075460911	160W HAL	20	2200	110	3000	55000	100 x 100	176 x 156 x 55
FL PFM 20 W 3000 K SYM 100 S WT	4058075460935	160W HAL	20	2200	110	3000	55000	100 x 100	176 x 156 x 55
FL PFM 20 W 4000 K SYM 100 S BK	4058075460959	160W HAL	20	2400	120	4000	55000	100 x 100	176 x 156 x 55
FL PFM 20 W 4000 K SYM 100 S WT	4058075460973	160W HAL	20	2400	120	4000	55000	100 x 100	176 x 156 x 55
FL PFM 50 W 3000 K SYM 100 S BK	4058075460997	400W HAL	50	5500	110	3000	55000	100 x 100	225 x 219 x 59
FL PFM 50 W 3000 K SYM 100 S WT	4058075461017	400W HAL	50	5500	110	3000	55000	100 x 100	225 x 219 x 59
FL PFM 50 W 4000 K SYM 100 S BK	4058075461031	400W HAL	50	6000	120	4000	55000	100 x 100	225 x 219 x 59
FL PFM 50 W 4000 K SYM 100 S WT	4058075461055	400W HAL	50	6000	120	4000	55000	100 x 100	225 x 219 x 59

## SENSOR PROPERTIES

Product name	Type of sensor	Sensor technology	Detection threshold of daylight sensor	Detection range of motion sensor	Sensor detection angle	Sensor controlled switching time
FLOODLIGHT SENSOR 10 W	Motion/Light	Passive infrared/Photocell	10...2000 lx	2...12 m	40°...160°	10 s...12 min
FLOODLIGHT SENSOR 20 W	Motion/Light	Passive infrared/Photocell	10...2000 lx	2...12 m	40°...160°	10 s...12 min
FLOODLIGHT SENSOR 50 W	Motion/Light	Passive infrared/Photocell	10...2000 lx	2...12 m	40°...160°	10 s...12 min

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)

## FLOODLIGHT PHOTOCELL

Floodlight with daylight sensor



### PRODUCT FEATURES

- Aluminum housing with toughened glass, black
- Integrated photocell daylight sensor, auto on <35 lx, auto off >95 lx
- Symmetrical beam angle: 100° x 100°
- Mounting bracket with 30° angle and wide rotation
- Connection via flexible 1 m cable, wiring required

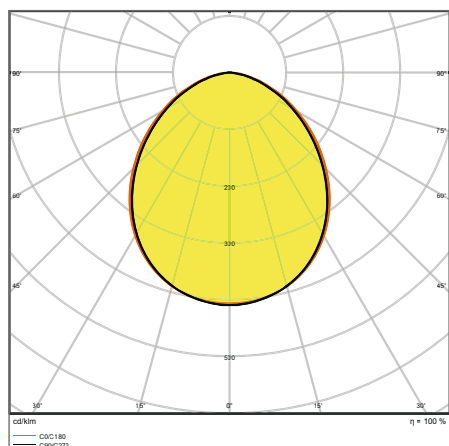
### PRODUCT BENEFITS

- Automatically switches on and off according to the amount of available daylight thanks to photocell light sensor
- Always-on override, activated via special mains switching pattern
- No upper light output ratio (ULOR 0 %) when mounted at 0° tilt
- Impact resistance: IK08 (IK08 photocell sensor)
- 5 years guarantee

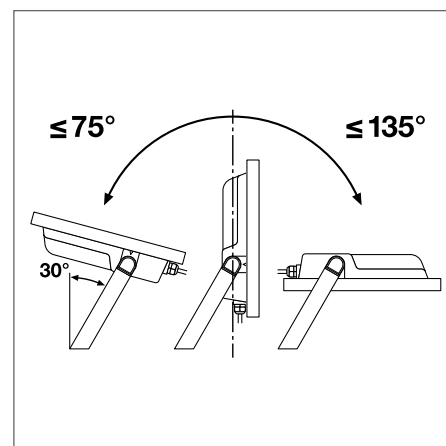
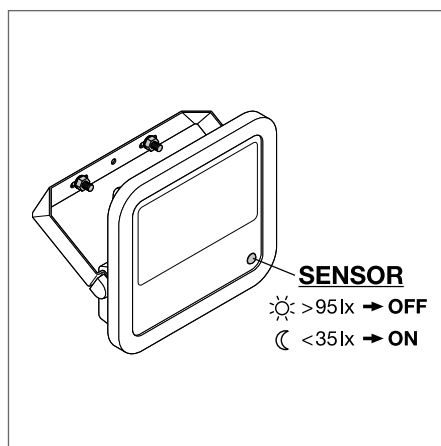
### AREAS OF APPLICATION

- Replacement for floodlights with halogen lamps
- Outdoor use (IP65)
- Industry
- Public areas
- Construction areas

### FURTHER PRODUCT DETAILS



FL PFM 200 W 4000 K SYM 100 SL BK



## FLOODLIGHT PHOTOCELL

Floodlight with daylight sensor



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
FL PFM 65 W 4000 K SYM 100 SL BK	4058075 <b>461093</b>	500 W HAL	65	8000	125	4000	55000	100 x 100	268 x 237 x 49
FL PFM 80 W 4000 K SYM 100 SL BK	4058075 <b>461130</b>	750 W HAL	80	10000	125	4000	55000	100 x 100	335 x 250 x 55
FL PFM 125 W 4000 K SYM 100 SL BK	4058075 <b>461161</b>	1000 W HAL	125	15000	125	4000	55000	100 x 100	381 x 290 x 59
FL PFM 165 W 4000 K SYM 100 SL BK	4058075 <b>461185</b>	1500 W HAL	165	20000	125	4000	55000	100 x 100	418 x 322 x 60
FL PFM 200 W 4000 K SYM 100 SL BK	4058075 <b>461208</b>	2000 W HAL	200	25000	125	4000	55000	100 x 100	454 x 354 x 62

## SENSOR PROPERTIES

Product name	Type of sensor	Sensor technology	Detection threshold of daylight sensor
FLOODLIGHT PHOTOCELL 65 W	Light	Photocell	35...95 lx
FLOODLIGHT PHOTOCELL 80 W	Light	Photocell	35...95 lx
FLOODLIGHT PHOTOCELL 125 W	Light	Photocell	35...95 lx
FLOODLIGHT PHOTOCELL 165 W	Light	Photocell	35...95 lx
FLOODLIGHT PHOTOCELL 200 W	Light	Photocell	35...95 lx

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)

## FLOODLIGHT COMPACT

Floodlight with reflector based, symmetric light distribution



### PRODUCT FEATURES

- Luminaire efficacy: up to 100 lm/W
- Symmetrical beam angle: 100° x 100°
- Mounting bracket with 30° angle and wide rotation area
- Flexible motion and daylight sensor
- Sensor with 350° pan and 180° tilt

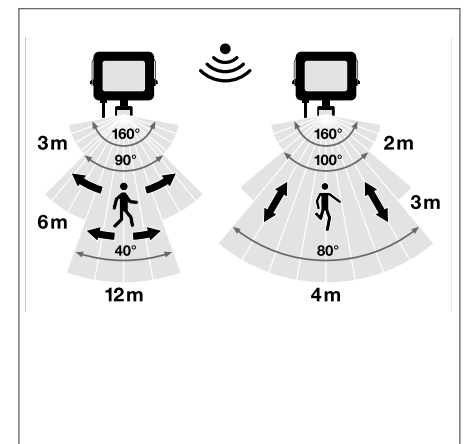
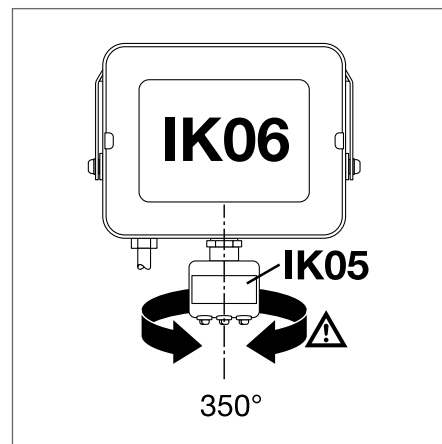
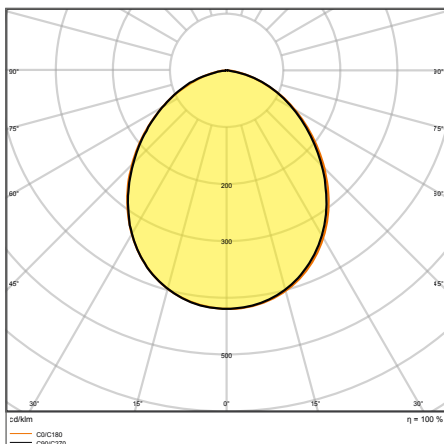
### PRODUCT BENEFITS

- Robust, yet light and compact design
- Safe and very uniform illumination, due to frosted and tempered glass diffuser
- No upper light output ratio (ULOR 0 %) when mounted at 0° tilt
- Demand optimized illumination due to flexible and programmable sensor
- Easy adjustment of sensor range, daylight detection and hold time

### AREAS OF APPLICATION

- Replacement for floodlights with halogen lamps
- Outdoor use (IP65)
- Public areas
- Building facades
- Construction areas

### FURTHER PRODUCT DETAILS



FL COMP V 135W 840 SYM 100 BK

## FLOODLIGHT COMPACT

Floodlight with reflector based, symmetric light distribution

VALUE  
CLASSFLICKER  
VALUE  
<10%CRI  
≥80

IP65

IK08

LEDVANCE  
3  
year  
guarantee

Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>3</sup>		L x W x H [mm] Ø x H [mm]
FL COMP V 10W 830 SYM 100 BK	4058075574557	80 W HAL	10	900	90	3000	35000	100 x 100	114 x 109 x 29
FL COMP V 10W 830 SYM 100 WT	4058075574571	80 W HAL	10	900	90	3000	35000	100 x 100	114 x 109 x 29
FL COMP V 10W 840 SYM 100 BK	4058075574595	80 W HAL	10	1000	100	4000	35000	100 x 100	114 x 109 x 29
FL COMP V 10W 840 SYM 100 WT	4058075574618	80 W HAL	10	1000	100	4000	35000	100 x 100	114 x 109 x 29
FL COMP V 10W 865 SYM 100 BK	4058075574656	80 W HAL	10	1000	100	6500	35000	100 x 100	114 x 109 x 29
FL COMP V 10W 865 SYM 100 WT	4058075574694	80 W HAL	10	1000	100	6500	35000	100 x 100	114 x 109 x 29
FL COMP V 20W 830 SYM 100 BK	4058075574731	160 W HAL	20	1800	90	3000	35000	100 x 100	124 x 122 x 29
FL COMP V 20W 830 SYM 100 WT	4058075574755	160 W HAL	20	1800	90	3000	35000	100 x 100	124 x 122 x 29
FL COMP V 20W 840 SYM 100 BK	4058075574779	160 W HAL	20	2000	100	4000	35000	100 x 100	124 x 122 x 29
FL COMP V 20W 840 SYM 100 WT	4058075574793	160 W HAL	20	2000	100	4000	35000	100 x 100	124 x 122 x 29
FL COMP V 20W 865 SYM 100 BK	4058075574816	160 W HAL	20	2000	100	6500	35000	100 x 100	124 x 122 x 29
FL COMP V 20W 865 SYM 100 WT	4058075574830	160 W HAL	20	2000	100	6500	35000	100 x 100	124 x 122 x 29
FL COMP V 50W 830 SYM 100 BK	4058075574854	400 W HAL	50	4500	90	3000	35000	100 x 100	160 x 170 x 36
FL COMP V 50W 830 SYM 100 WT	4058075574878	400 W HAL	50	4500	90	3000	35000	100 x 100	160 x 170 x 36
FL COMP V 50W 840 SYM 100 BK	4058075574892	400 W HAL	50	5000	100	4000	35000	100 x 100	160 x 170 x 36
FL COMP V 50W 840 SYM 100 WT	4058075574915	400 W HAL	50	5000	100	4000	35000	100 x 100	160 x 170 x 36
FL COMP V 50W 865 SYM 100 BK	4058075574939	400 W HAL	50	5000	100	6500	35000	100 x 100	160 x 170 x 36
FL COMP V 50W 865 SYM 100 WT	4058075574960	400 W HAL	50	5000	100	6500	35000	100 x 100	160 x 170 x 36
FL COMP V 90W 830 SYM 100 BK	4058075574984	750 W HAL	90	8100	90	3000	35000	100 x 100	236 x 255 x 40
FL COMP V 90W 840 SYM 100 BK	4058075575004	750 W HAL	90	9000	100	4000	35000	100 x 100	236 x 255 x 40
FL COMP V 90W 865 SYM 100 BK	4058075575080	750 W HAL	90	9000	100	6500	35000	100 x 100	236 x 255 x 40
FL COMP V 135W 830 SYM 100 BK	4058075575103	1000 W HAL	135	12150	90	3000	35000	100 x 100	274 x 305 x 48
FL COMP V 135W 840 SYM 100 BK	4058075575127	1000 W HAL	135	13500	100	4000	35000	100 x 100	274 x 305 x 48
FL COMP V 135W 865 SYM 100 BK	4058075575141	1000 W HAL	135	13500	100	6500	35000	100 x 100	274 x 305 x 48
FL COMP V 180 W 830 SYM 100 BK	4058075575165	1500 W HAL	180	16800	90	3000	35000	100 x 100	300 x 340 x 55
FL COMP V 180W 840 SYM 100 BK	4058075575189	1500 W HAL	180	18000	100	4000	35000	100 x 100	300 x 340 x 55
FL COMP V 180W 865 SYM 100 BK	4058075575202	1500 W HAL	180	18000	100	6500	35000	100 x 100	300 x 340 x 55

<sup>1</sup> 10W–50W have IK06<sup>2</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions<sup>3</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)

## FLOODLIGHT COMPACT SENSOR

Floodlight with motion and daylight sensor

VALUE  
CLASS

Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
FL COMP SEN V 10W 830 SYM 100 BK	4058075575226	80W HAL	10	900	90	3000	35000	100 x 100	153 x 109 x 53
FL COMP SEN V 10W 840 SYM 100 BK	4058075575240	80W HAL	10	1000	100	4000	35000	100 x 100	153 x 109 x 53
FL COMP SEN V 20W 830 SYM 100 BK	4058075575264	160W HAL	20	1800	90	3000	35000	100 x 100	165 x 122 x 53
FL COMP SEN V 20W 840 SYM 100 BK	4058075575288	160W HAL	20	2000	100	4000	35000	100 x 100	165 x 122 x 53
FL COMP SEN V 50W 830 SYM 100 BK	4058075575301	400W HAL	50	4500	90	3000	35000	100 x 100	202 x 170 x 60
FL COMP SEN V 50W 840 SYM 100 BK	4058075575325	400W HAL	50	5000	100	4000	35000	100 x 100	202 x 170 x 60

## SENSOR PROPERTIES

Product name	Type of sensor	Sensor technology	Detection threshold of daylight sensor	Detection range of motion sensor	Sensor detection angle	Sensor controlled switching time
FLOODLIGHT COMPACT SENSOR 10W	Motion/Light	Passive infrared/Photocell	10...2000 lx	2...12 m	40°...160°	10 s...12 min
FLOODLIGHT COMPACT SENSOR 20W	Motion/Light	Passive infrared/Photocell	10...2000 lx	2...12 m	40°...160°	10 s...12 min
FLOODLIGHT COMPACT SENSOR 50W	Motion/Light	Passive infrared/Photocell	10...2000 lx	2...12 m	40°...160°	10 s...12 min

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)





# FLOODLIGHT MAX LUMINAIRE HEAD

High-power floodlight for large area and sports lighting



## PRODUCT FEATURES

- Modular, high-power floodlight with up to 137 lm/W
- Joint or separate installation possible with Floodlight Max power supply
- Available with 10°, 30° and 60° symmetric beam angles, and 50° x 110° asymmetric light distribution
- Mounting bracket for up to 180° tilting
- Highly-transparent, tempered glass diffuser

## PRODUCT BENEFITS

- Very bright, robust and durable
- Energy savings of up to 45 % compared to luminaires that use conventional discharge lamps
- Easy dimming up to 50 % by wiring
- No upper light output ratio (ULOR 0 %) when mounted at 0° tilt
- 5 years guarantee

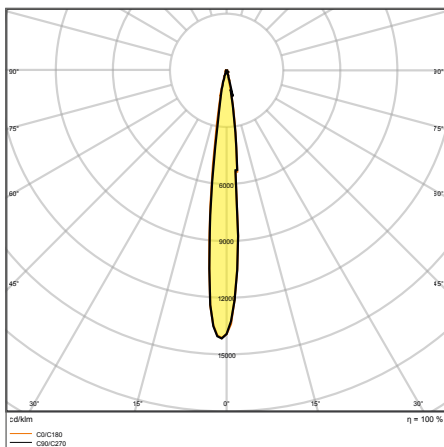
## AREAS OF APPLICATION

- Outdoor use (IP66)
- Lighting of large areas
- Sports facilities
- Construction areas
- Direct replacement for luminaires using HID lamps

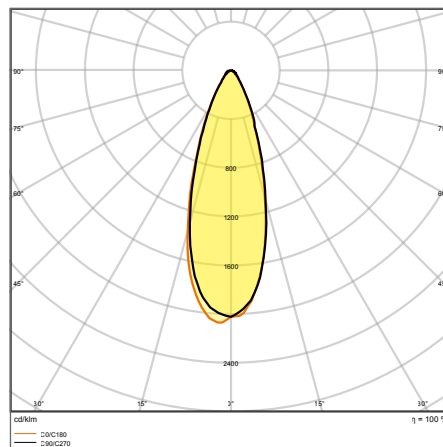
## EQUIPMENT/ACCESSORIES

- Operation only with separately available official matching power supply

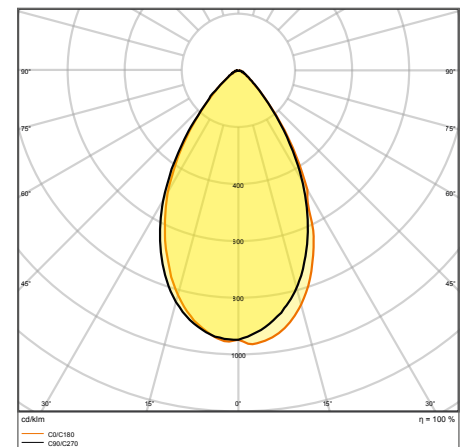
## FURTHER PRODUCT DETAILS



FL MAX LUM P 600W 757 SYM 10 WAL

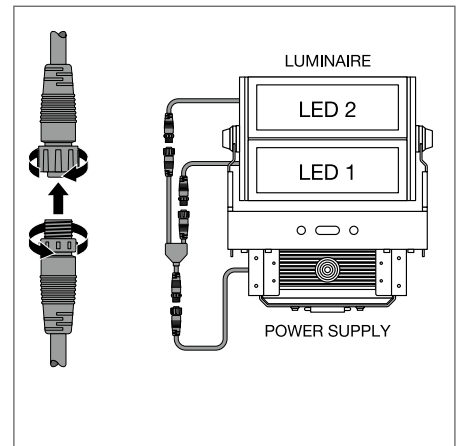
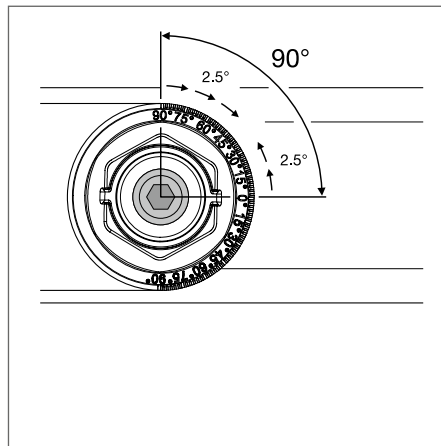
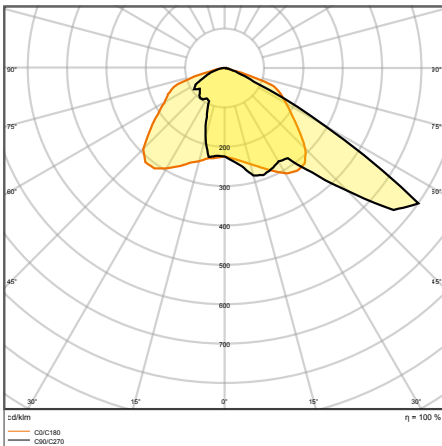


FL MAX LUM P 600W 757 SYM 30 WAL



FL MAX LUM P 600W 757 SYM 60 WAL

FURTHER PRODUCT DETAILS



FL MAX LUM P 600W 757 ASYM50x110WAL

FLOODLIGHT MAX SYM 10

High-power floodlight with 10° symmetric light distribution for large area and sports lighting



Product name	EAN (GTIN)	W	lm	lm/W	K	L80 <sup>2</sup>	°	L × W × H [mm] ∅ × H [mm]	No.
FL MAX LUM P 600W 757 SYM 10 WAL	4058075580589	600	78000	130	5700	75000	10	472 × 591 × 279	1
FL MAX LUM P 900W 757 SYM 10 WAL	4058075580626	900	117000	130	5700	75000	10	660 × 591 × 279	2
FL MAX LUM P 1200W 757 SYM 10 WAL	4058075580664	1200	155000	129	5700	75000	10	841 × 591 × 282	3

FLOODLIGHT MAX SYM 30

High-power floodlight with 30° symmetric light distribution for large area and sports lighting



Product name	EAN (GTIN)	W	lm	lm/W	K	L80 <sup>2</sup>	°	L × W × H [mm] ∅ × H [mm]	No.
FL MAX LUM P 600W 757 SYM 30 WAL	4058075580596	600	81000	135	5700	75000	30	472 × 591 × 279	1
FL MAX LUM P 900W 757 SYM 30 WAL	4058075580633	900	121000	134	5700	75000	30	660 × 591 × 279	2
FL MAX LUM P 1200W 757 SYM 30 WAL	4058075580671	1200	162000	135	5700	75000	30	841 × 591 × 282	3

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25°C (T<sub>a</sub>)/t[h]; L80/B10 @ 25°C (T<sub>a</sub>)

### FLOODLIGHT MAX SYM 60

High-power floodlight with 60° symmetric light distribution for large area and sports lighting



Product name	EAN (GTIN)	W	lm	lm/W	K	L80 <sup>2</sup>	°	L x W x H [mm] Ø x H [mm]	No.
FL MAX LUM P 600W 757 SYM 60 WAL	4058075 <b>580602</b>	600	80500	134	5700	75000	60	472 x 591 x 279	1
FL MAX LUM P 900W 757 SYM 60 WAL	4058075 <b>580640</b>	900	120000	133	5700	75000	60	660 x 591 x 279	2
FL MAX LUM P 1200W 757 SYM 60 WAL	4058075 <b>580688</b>	1200	161000	134	5700	75000	60	841 x 591 x 282	3

### FLOODLIGHT MAX ASYM 50 x 110

High-power floodlight with 50° x 110° asymmetric light distribution for large area and sports lighting



Product name	EAN (GTIN)	W	lm	lm/W	K	L80 <sup>2</sup>	°	L x W x H [mm] Ø x H [mm]	No.
FL MAX LUM P 600W 757 ASYM 50x110 WAL	4058075 <b>580619</b>	600	82000	137	5700	75000	50 x 110	472 x 591 x 279	1
FL MAX LUM P 900W 757 ASYM 50x110 WAL	4058075 <b>580657</b>	900	123000	137	5700	75000	50 x 110	660 x 591 x 279	2
FL MAX LUM P 1200W 757 ASYM 50x110 WAL	4058075 <b>580695</b>	1200	164000	137	5700	75000	50 x 110	841 x 591 x 282	3

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)

# FLOODLIGHT MAX POWER SUPPLY

Power supplies for FLOODLIGHT MAX luminaires



## PRODUCT FEATURES

- Power supply for Floodlight Max luminaire heads
- Joint or separate installation with Floodlight Max luminaire head
- M20 and M25 PG glands for mains cable feed-in
- LED-module wiring by means of pre-installed fast quick release connector
- High surge protection: up to 10 kV (L/N-PE and L-N)

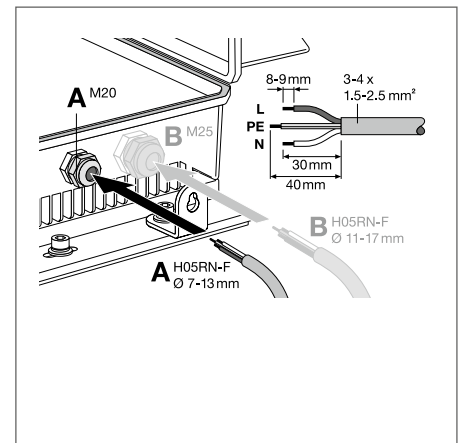
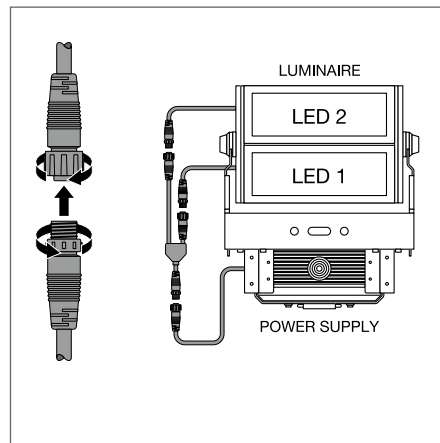
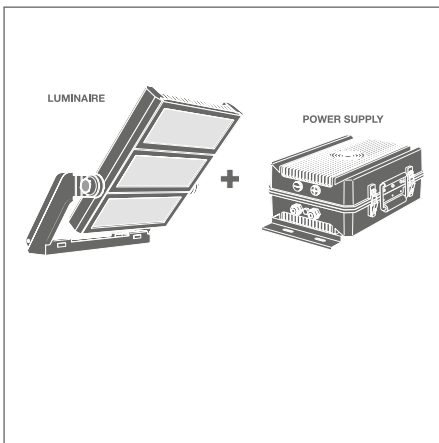
## PRODUCT BENEFITS

- Highly robust and durable
- Quick and easy wiring, due to tool-free housing opening
- Optimized logistic, luminaire head and power supply arrive in individual packaging
- 5 years guarantee

## AREAS OF APPLICATION

- Outdoor use (IP66)
- Sports facilities
- Construction areas

## FURTHER PRODUCT DETAILS



Product name	EAN (GTIN)	W	L x W x H [mm] Ø x H [mm]	No.
FL MAX POWER SUPPLY P 600W WAL	4058075580718	600	188 x 447 x 146	1
FL MAX POWER SUPPLY P 900W WAL	4058075580732	900	270 x 447 x 166	2
FL MAX POWER SUPPLY P 1200W WAL	4058075580749	1200	270 x 447 x 166	2

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.



## FLOODLIGHT PERFORMANCE

IP66 floodlight with lens based light distribution up to 140 lm/W



### PRODUCT FEATURES

- New versions with DALI 2.0 interface available, for light management system integration
- Aluminum die-cast housing, black (similar to RAL 9017) with toughened glass
- Robust design: IP66, IK08. -30 °C to +50 °C temperature resistance and surge protection < 10 kV
- Integrated breather for preventing condensation inside the luminaire
- Suitable for locations with fire hazards according to EN 60598-2-24 (D-mark)
- 2 m connection cable with open, crimped wire ends for flexible installation

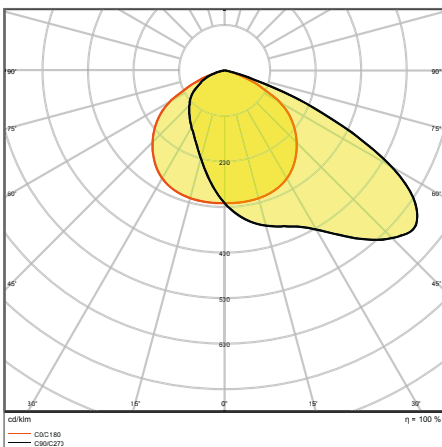
### PRODUCT BENEFITS

- Available in 5 power levels, for replacement of traditional luminaires, up to 2000 W (HAL)
- Available in 4 light distributions for optimum illumination of a wide range of applications
- Suitable for wall or mast mounting thanks to angled bracket with a great rotation range
- Highly efficient directional light through single lenses, with up to 140 lm/W luminous efficacy
- 5 years guarantee

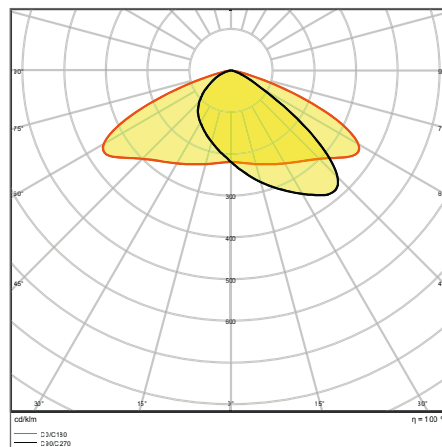
### AREAS OF APPLICATION

- Direct replacement for luminaires using HID lamps
- Outdoor use (IP66)
- Public areas
- Industry
- Sports facilities

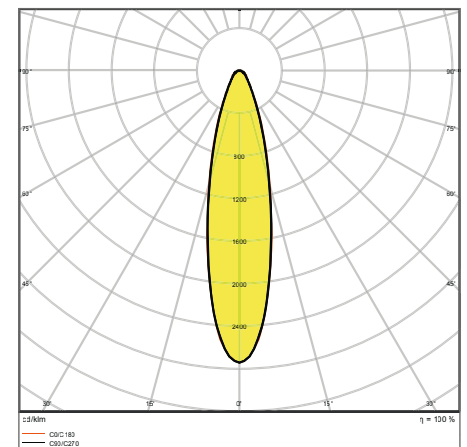
### FURTHER PRODUCT DETAILS



FL PFM ASYM 55x110 290W 4000K BK

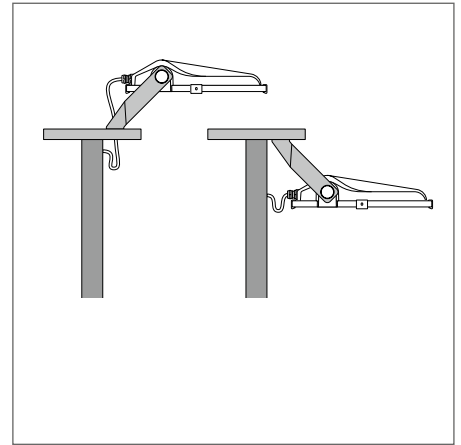
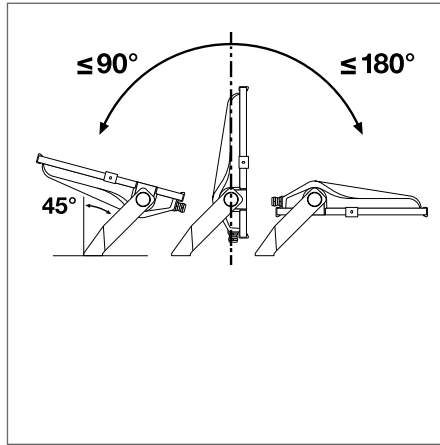
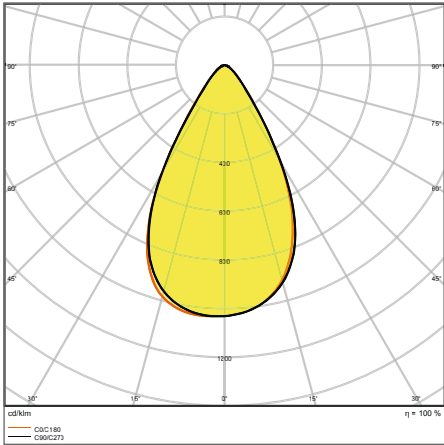


FL PFM ASYM 45x140 290W 4000K BK



FL PFM SYM R30 290W 4000K BK

FURTHER PRODUCT DETAILS 




FL PFM SYM 60 290W4000K BK

FLOODLIGHT PERFORMANCE ASYM 55 × 110

Floodlight with wide beam, asymmetric light distribution for various application areas



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>3</sup>		L × W × H [mm] Ø × H [mm]
FL PFM ASYM 55x110 50 W 3000 K BK	4058075353299	500 W HAL	50	5800	115	3000	70000	55 × 110	314 × 240 × 63
FL PFM ASYM 55x110 50 W 4000 K BK	4058075353305	500 W HAL	50	6300	125	4000	70000	55 × 110	314 × 240 × 63
FL PFM ASYM 55x110 100 W 3000 K BK	4058075353312	1000 W HAL	100	11900	120	3000	70000	55 × 110	418 × 330 × 77
FL PFM ASYM 55x110 100 W 4000 K BK	4058075353527	1000 W HAL	100	12900	130	4000	70000	55 × 110	418 × 330 × 77
FL PFM ASYM 55x110 150 W 3000 K BK	4058075353534	1500 W HAL	150	18400	125	3000	70000	55 × 110	451 × 330 × 77
FL PFM ASYM 55x110 150 W 4000 K BK	4058075353541	1500 W HAL	150	19900	135	4000	70000	55 × 110	451 × 330 × 77
FL PFM ASYM 55x110 200 W 3000 K BK	4058075353558	1500 W HAL	200	24400	130	3000	70000	55 × 110	494 × 395 × 87
FL PFM ASYM 55x110 200 W 4000 K BK	4058075353565	1500 W HAL	200	26400	140	4000	70000	55 × 110	494 × 395 × 87
FL PFM ASYM 55x110 290 W 3000 K BK	4058075353572	2000 W HAL	290	35600	125	3000	70000	55 × 110	567 × 465 × 97
FL PFM ASYM 55x110 290 W 4000 K BK	4058075353602	2000 W HAL	290	38500	135	4000	70000	55 × 110	567 × 465 × 97

<sup>1</sup> Applies to 100W–290W

<sup>2</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>3</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)



## FLOODLIGHT PERFORMANCE ASYM 45 × 140

Floodlight with very wide beam, asymmetric light distribution for area lighting

Product name	EAN (GTIN)	Replacement for	Performance Metrics							L × W × H [mm] Ø × H [mm]
			W	lm	lm/W	K	L80 <sup>3</sup>	Beam Angle		
FL PFM ASYM 45x140 50 W 3000 K BK	4058075353619	500 W HAL	50	5700	115	3000	70000	45 × 140	314 × 240 × 63	
FL PFM ASYM 45x140 50 W 4000 K BK	4058075353626	500 W HAL	50	6200	125	4000	70000	45 × 140	314 × 240 × 63	
FL PFM ASYM 45x140 100 W 3000 K BK	4058075353633	1000 W HAL	100	11800	120	3000	70000	45 × 140	418 × 330 × 77	
FL PFM ASYM 45x140 100 W 4000 K BK	4058075353688	1000 W HAL	100	12800	130	4000	70000	45 × 140	418 × 330 × 77	
FL PFM ASYM 45x140 150 W 3000 K BK	4058075353695	1500 W HAL	150	18300	120	3000	70000	45 × 140	451 × 330 × 77	
FL PFM ASYM 45x140 150 W 4000 K BK	4058075353701	1500 W HAL	150	19800	130	4000	70000	45 × 140	451 × 330 × 77	
FL PFM ASYM 45x140 200 W 3000 K BK	4058075353718	1500 W HAL	200	24200	130	3000	70000	45 × 140	494 × 395 × 87	
FL PFM ASYM 45x140 200 W 4000 K BK	4058075353725	1500 W HAL	200	26200	140	4000	70000	45 × 140	494 × 395 × 87	
FL PFM ASYM 45x140 290 W 3000 K BK	4058075353732	2000 W HAL	290	35300	120	3000	70000	45 × 140	567 × 465 × 97	
FL PFM ASYM 45x140 290 W 4000 K BK	4058075353749	2000 W HAL	290	38200	130	4000	70000	45 × 140	567 × 465 × 97	

## FLOODLIGHT PERFORMANCE SYM R30

Floodlight with rotational symmetric light distribution for high mast area lighting

Product name	EAN (GTIN)	Replacement for	Performance Metrics							L × W × H [mm] Ø × H [mm]
			W	lm	lm/W	K	L80 <sup>3</sup>	Beam Angle		
FL PFM SYM R30 150 W 3000 K BK	4058075353756	1500 W HAL	150	18700	125	3000	70000	30	451 × 330 × 77	
FL PFM SYM R30 150 W 4000 K BK	4058075353763	1500 W HAL	150	20200	135	4000	70000	30	451 × 330 × 77	
FL PFM SYM R30 200 W 3000 K BK	4058075353770	1500 W HAL	200	24800	130	3000	70000	30	494 × 395 × 87	
FL PFM SYM R30 200 W 4000 K BK	4058075353787	1500 W HAL	200	26800	140	4000	70000	30	494 × 395 × 87	
FL PFM SYM R30 290 W 3000 K BK	4058075353794	2000 W HAL	290	36200	125	3000	70000	30	567 × 465 × 97	
FL PFM SYM R30 290 W 4000 K BK	4058075353800	2000 W HAL	290	39100	135	4000	70000	30	567 × 465 × 97	

## FLOODLIGHT PERFORMANCE SYM 60

Floodlight with symmetric light distribution for medium to high mast area lighting

Product name	EAN (GTIN)	Replacement for	Performance Metrics							L × W × H [mm] Ø × H [mm]
			W	lm	lm/W	K	L80 <sup>3</sup>	Beam Angle		
FL PFM SYM 60 150 W 3000 K BK	4058075540989	1500 W HAL	150	19800	132	3000	70000	60 × 60	451 × 330 × 77	
FL PFM SYM 60 150 W 4000 K BK	4058075540996	1500 W HAL	150	21000	140	4000	70000	60 × 60	451 × 330 × 77	
FL PFM SYM 60 200 W 3000 K BK	4058075541009	1500 W HAL	200	26400	132	3000	70000	60 × 60	494 × 395 × 87	
FL PFM SYM 60 200 W 4000 K BK	4058075541016	1500 W HAL	200	28000	140	4000	70000	60 × 60	494 × 395 × 87	
FL PFM SYM 60 290 W 3000 K BK	4058075541023	2000 W HAL	290	38300	132	3000	70000	60 × 60	567 × 465 × 97	
FL PFM SYM 60 290 W 4000 K BK	4058075541030	2000 W HAL	290	40600	140	4000	70000	60 × 60	567 × 465 × 97	

<sup>1</sup>Applies to 100W–290W | <sup>2</sup>Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions | <sup>3</sup>t[h]: L70/B50 @ 25°C (T<sub>a</sub>)/t[h]: L80/B10 @ 25°C (T<sub>a</sub>)

## FLOODLIGHT PERFORMANCE DALI ASYM 55 × 110

DALI 2.0 based floodlight with wide beam, asymmetric light distribution for various application areas

Product name	EAN (GTIN)	Replacement for	W		lm		lm/w		K		L80 <sup>2</sup>		°		L × W × H [mm] Ø × H [mm]
			W	lm	lm/w	K	L80 <sup>2</sup>	°							
FL PFM DA 50W 3000K ASYM 55X110 BK	4058075760523	500W HAL	50	5800	116	3000	70000	55 × 110	DALI-2	314 × 240 × 63					
FL PFM DA 50W 4000K ASYM 55X110 BK	4058075760530	500W HAL	50	6300	126	4000	70000	55 × 110	DALI-2	314 × 240 × 63					
FL PFM DA 100W 3000K ASYM 55X110 BK	4058075760547	1000W HAL	100	11900	119	3000	70000	55 × 110	DALI-2	418 × 330 × 77					
FL PFM DA 100W 4000K ASYM 55X110 BK	4058075760554	1000W HAL	100	12900	129	4000	70000	55 × 110	DALI-2	418 × 330 × 77					
FL PFM DA 150W 3000K ASYM 55X110 BK	4058075760561	1500W HAL	150	18400	122	3000	70000	55 × 110	DALI-2	451 × 330 × 77					
FL PFM DA 150W 4000K ASYM 55X110 BK	4058075760578	1500W HAL	150	19900	132	4000	70000	55 × 110	DALI-2	451 × 330 × 77					
FL PFM DA 200W 3000K ASYM 55X110 BK	4058075760585	1500W HAL	200	24400	122	3000	70000	55 × 110	DALI-2	494 × 395 × 87					
FL PFM DA 200W 4000K ASYM 55X110 BK	4058075760592	1500W HAL	200	26400	132	4000	70000	55 × 110	DALI-2	494 × 395 × 87					
FL PFM DA 290W 3000K ASYM 55X110 BK	4058075760608	2000W HAL	290	35600	122	3000	70000	55 × 110	DALI-2	567 × 465 × 97					
FL PFM DA 290W 4000K ASYM 55X110 BK	4058075760615	2000W HAL	290	38500	132	4000	70000	55 × 110	DALI-2	567 × 465 × 97					

## FLOODLIGHT PERFORMANCE DALI ASYM 45 × 140

DALI 2.0 based floodlight with very wide beam, asymmetric light distribution for area lighting

Product name	EAN (GTIN)	Replacement for	W		lm		lm/w		K		L80 <sup>2</sup>		°		L × W × H [mm] Ø × H [mm]
			W	lm	lm/w	K	L80 <sup>2</sup>	°							
FL PFM DA 50W 3000K ASYM 45X140 BK	4058075760622	500W HAL	50	5700	114	3000	70000	45 × 140	DALI-2	314 × 240 × 63					
FL PFM DA 50W 4000K ASYM 45X140 BK	4058075760639	500W HAL	50	6200	124	4000	70000	45 × 140	DALI-2	314 × 240 × 63					
FL PFM DA 100W 3000K ASYM 45X140 BK	4058075760646	1000W HAL	100	11800	118	3000	70000	45 × 140	DALI-2	418 × 330 × 77					
FL PFM DA 100W 4000K ASYM 45X140 BK	4058075760653	1000W HAL	100	12800	128	4000	70000	45 × 140	DALI-2	418 × 330 × 77					
FL PFM DA 150W 3000K ASYM 45X140 BK	4058075760660	1500W HAL	150	18300	122	3000	70000	45 × 140	DALI-2	451 × 330 × 77					
FL PFM DA 150W 4000K ASYM 45X140 BK	4058075760677	1500W HAL	150	19800	132	4000	70000	45 × 140	DALI-2	451 × 330 × 77					
FL PFM DA 200W 3000K ASYM 45X140 BK	4058075760684	1500W HAL	200	24200	121	3000	70000	45 × 140	DALI-2	494 × 395 × 87					
FL PFM DA 200W 4000K ASYM 45X140 BK	4058075760691	1500W HAL	200	26200	131	4000	70000	45 × 140	DALI-2	494 × 395 × 87					
FL PFM DA 290W 3000K ASYM 45X140 BK	4058075760707	2000W HAL	290	35300	121	3000	70000	45 × 140	DALI-2	567 × 465 × 97					
FL PFM DA 290W 4000K ASYM 45X140 BK	4058075760714	2000W HAL	290	38200	131	4000	70000	45 × 140	DALI-2	567 × 465 × 97					

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]: L80/B10 @ 25 °C (T<sub>a</sub>)

## FLOODLIGHT PERFORMANCE DALI SYM R30

DALI 2.0 based floodlight with rotational symmetric light distribution for high mast area lighting



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>2</sup>	Beam angle	Beam type	DALI-2	L x W x H [mm] Ø x H [mm]
FL PFM DA 150W 3000K SYM R30 BK	4058075760721	1500 W HAL	150	18700	124	3000	70000	30	DALI-2		451 x 330 x 77
FL PFM DA 150W 4000K SYM R30 BK	4058075760738	1500 W HAL	150	20200	134	4000	70000	30	DALI-2		451 x 330 x 77
FL PFM DA 200W 3000K SYM R30 BK	4058075760745	1500 W HAL	200	24800	124	3000	70000	30	DALI-2		494 x 395 x 87
FL PFM DA 200W 4000K SYM R30 BK	4058075760752	1500 W HAL	200	26800	134	4000	70000	30	DALI-2		494 x 395 x 87
FL PFM DA 290W 3000K SYM R30 BK	4058075760769	2000 W HAL	290	36200	124	3000	70000	30	DALI-2		567 x 465 x 97
FL PFM DA 290W 4000K SYM R30 BK	4058075760776	2000 W HAL	290	39100	134	4000	70000	30	DALI-2		567 x 465 x 97

## FLOODLIGHT PERFORMANCE DALI SYM 60

DALI 2.0 based floodlight with symmetric light distribution for medium to high mast area lighting



Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>2</sup>	Beam angle	Beam type	DALI-2	L x W x H [mm] Ø x H [mm]
FL PFM DA 150W 3000K SYM 60 BK	4058075760783	1500 W HAL	150	19800	132	3000	70000	60 x 60	DALI-2		451 x 330 x 77
FL PFM DA 150W 4000K SYM 60 BK	4058075760790	1500 W HAL	150	21000	140	4000	70000	60 x 60	DALI-2		451 x 330 x 77
FL PFM DA 200W 3000K SYM 60 BK	4058075760837	1500 W HAL	200	26400	132	3000	70000	60 x 60	DALI-2		494 x 395 x 87
FL PFM DA 200W 4000K SYM 60 BK	4058075760844	1500 W HAL	200	28000	140	4000	70000	60 x 60	DALI-2		494 x 395 x 87
FL PFM DA 290W 3000K SYM 60 BK	4058075760851	2000 W HAL	290	38300	132	3000	70000	60 x 60	DALI-2		567 x 465 x 97
FL PFM DA 290W 4000K SYM 60 BK	4058075760868	2000 W HAL	290	40600	140	4000	70000	60 x 60	DALI-2		567 x 465 x 97

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)





## FLOODLIGHT AREA

Floodlight with lens based asymmetric light distribution up to 140 lm/W



### PRODUCT FEATURES

- Asymmetric light distribution: 48° × 92°
- Robust design: IP65, IK08, -30 °C to +50 °C temperature resistance, up to 6 kV surge protection (L/N-PE)
- Integrated breather for preventing condensation inside the luminaire
- Pre-installed, flexible 1m cable (H05RN-F)

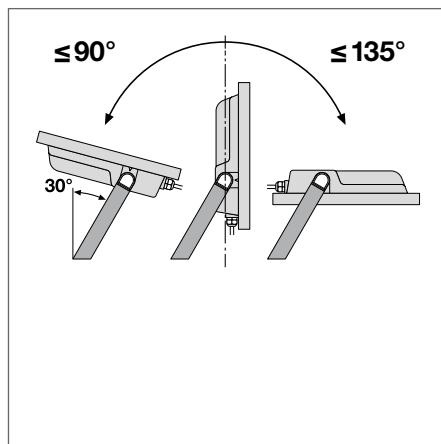
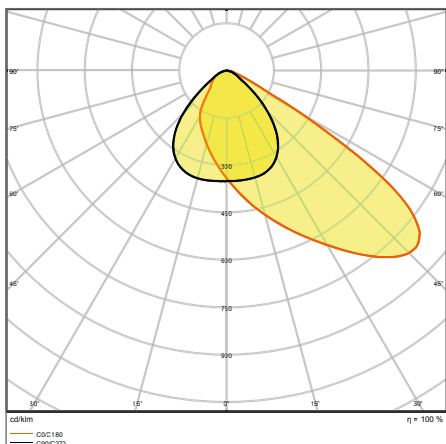
### PRODUCT BENEFITS

- Energy savings of up to 90 % compared to halogen lamp floodlights
- Energy savings of up to 45 % compared to luminaires that use conventional discharge lamps
- High light uniformity
- No upper light output ration (ULOR 0 %) when mounted at 0° tilt
- 5 years guarantee

### AREAS OF APPLICATION

- Direct replacement for luminaires using HID lamps
- Outdoor use (IP65)
- Public areas & parking
- Industry
- Sports facilities

### FURTHER PRODUCT DETAILS



FL AREA 105W 840 ASYM 48X92 BK

## FLOODLIGHT AREA

Floodlight with lens based asymmetric light distribution up to 140 lm/W

VALUE  
CLASSFLICKER  
VALUE  
<10%CRI  
≥80

IP65

IK08

LEDVANCE<sup>1</sup>  
5 year  
guarantee

Product name	EAN (GTIN)	Replacement for	W	lm	lm/W	K	L80 <sup>2</sup>		L x W x H [mm] Ø x H [mm]
FL AREA ASYM 48x92 72 W 3000 K BK	4058075539730	750 W HAL	72	9200	129	3000	50000	48 x 92	381 x 290 x 59
FL AREA ASYM 48x92 72 W 4000 K BK	4058075539747	750 W HAL	72	10000	139	4000	50000	48 x 92	381 x 290 x 59
FL AREA ASYM 48x92 105 W 3000 K BK	4058075539754	1000 W HAL	105	13750	132	3000	50000	48 x 92	418 x 322 x 60
FL AREA ASYM 48x92 105 W 4000 K BK	4058075539761	1000 W HAL	105	15000	143	4000	50000	48 x 92	418 x 322 x 60
FL AREA ASYM 48x92 145 W 3000 K BK	4058075539778	1500 W HAL	145	18400	129	3000	50000	48 x 92	454 x 354 x 62
FL AREA ASYM 48x92 145 W 4000 K BK	4058075539785	1500 W HAL	145	20000	138	4000	50000	48 x 92	454 x 354 x 62

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions<sup>2</sup> t[h]: L70/B50 @ 25 °C (T<sub>a</sub>)/t[h]; L80/B10 @ 25 °C (T<sub>a</sub>)



# STREETLIGHTS

VERSATILE, DURABLE AND HIGHLY SUSTAINABLE ILLUMINATION OF URBAN SPACES

## STREETLIGHT FLEX



PERFORMANCE CLASS

Page 220

STREETLIGHT FLEX  
SMALL, MEDIUM & LARGE



### HIGHLY FLEXIBLE AND EFFICIENT STREETLIGHTS

- Modern and durable design for long lasting performance, up to 100 000 h L90/B10 (at 25 °C)
- Extremely high efficiency, up to 155 lm/W, for great TCO in many replacement scenarios
- Broad range for wide application fit in road lighting and parking: 7 LED configurations, 3 CCTs, 2 beam angles

## STREETLIGHT FLEX ACCESSORIES



PERFORMANCE CLASS

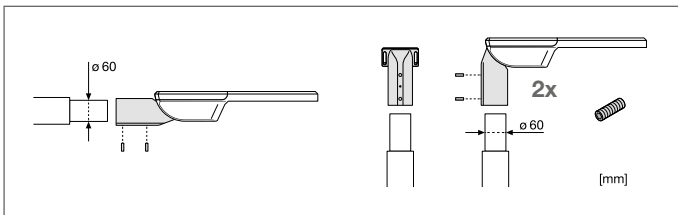
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### MOUNTING ACCESSORIES FOR INCREASED VERSATILITY

- Larger pole adapter, suitable for 76 mm poles
- Reduction piece, enabling the standard adapter to be installed on 42 mm poles
- Suitable for all Streetlight Flex types

## VERY SIMPLE AND FLEXIBLE INSTALLATION



- Pole adapter for 60 mm pole diameter is included as standard with all Streetlight Flex luminaires
- The flexible design allows for either side-entry or post-top installation of the luminaire
- +/- 15° tilt angle adjustment without opening the housing



# STREETLIGHT FLEX: EFFICIENT, DURABLE, FLEXIBLE

Designed for ease of installation and featuring materials of the highest quality, an extremely long service life and two different light distribution patterns, Streetlight Flex is our efficient and flexible answer to the high demands placed on modern street and parking lot lighting.

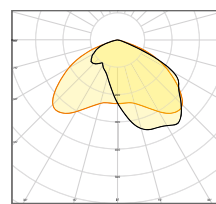
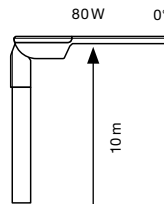
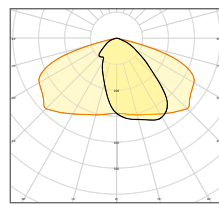
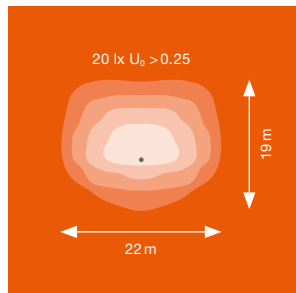
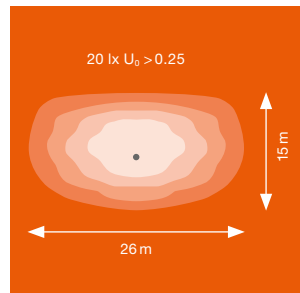
## LIGHT DISTRIBUTION OPTIONS

### RV25ST light distribution

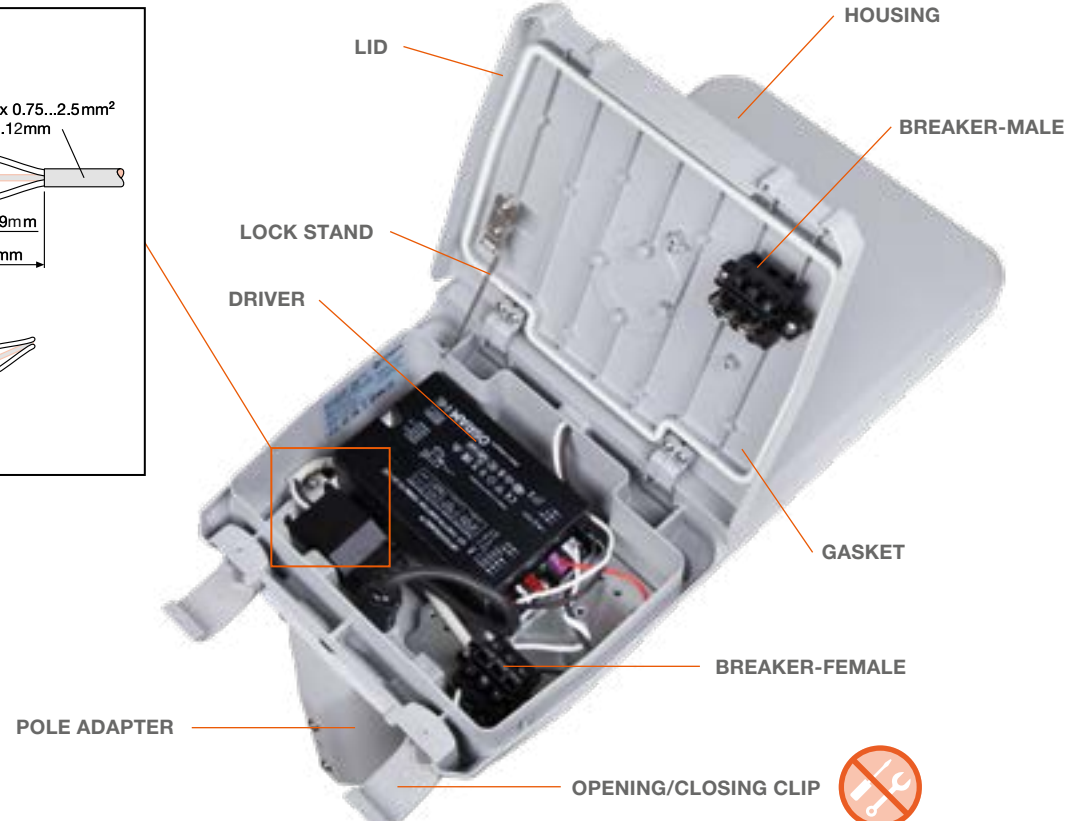
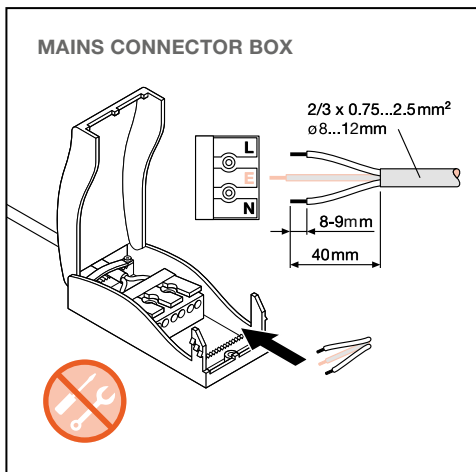
- For normal roads with a typical width equal to or greater than the road height (width approx. 1 to 1.25 x pole height)
- For rectangular-shaped parking areas in front of the pole

### RW35ST light distribution

- For very wide roads with road width greater than the pole height
- For square-shaped parking and area lighting in front of the pole



## WIRING IS TOOL-FREE, FAST AND CONVENIENT



## STREETLIGHT FLEX SMALL

IP66 streetlight with up to 144 lm/W



### PRODUCT FEATURES

- High luminous efficacy: up to 144 lm/W
- Very long lifetime (L90/B10): up to 100000h (at 25 °C)
- Spigot included, suitable for 48...60 mm diameter poles
- Adjustable spigot for both side-entry and post-top installation
- +/-15° tilt angle adjustment without opening the housing

### PRODUCT BENEFITS

- Durable IP66 & IK08 design and highest quality component selection for long lasting performance
- Easy installation due to tool-free housing opening and push button wiring terminal
- High light uniformity
- No upper light output ratio (ULOR 0 %) when mounted at 0° tilt
- 5 years guarantee

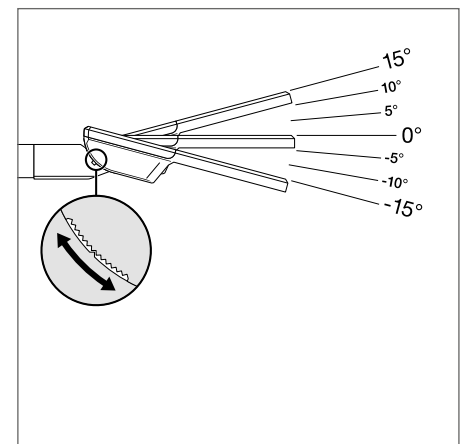
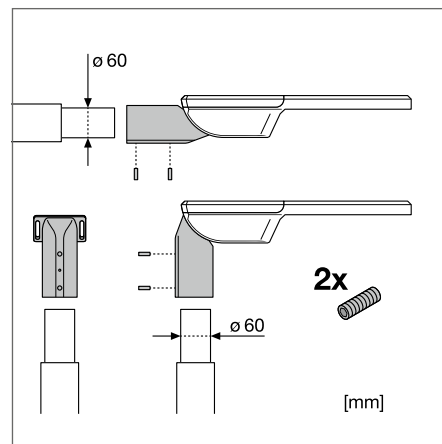
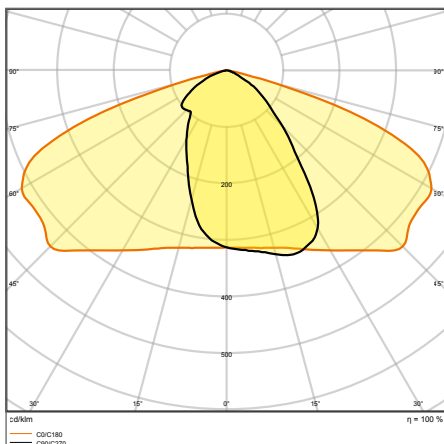
### AREAS OF APPLICATION

- Outdoor use (IP66)
- M-, C- and P-class roads acc. to EN 13201
- Parking
- Public areas
- Industry

### EQUIPMENT/ACCESSORIES

- Spigot for 42 and 76 mm poles available separately

### FURTHER PRODUCT DETAILS



SL FLEX SM RV25ST P 36W 740 WAL

## STREETLIGHT FLEX SMALL RV25ST

Very wide light distribution for general road lighting

PERFOR-  
MANCE  
CLASS

Product name	EAN (GTIN)	W	lm	lm/w	K	L90 <sup>2</sup>		CRI	L x W x H [mm] Ø x H [mm]
SL FLEX SM RV25ST P 13W 727 WAL	4058075552234	13	1650	127	2700	100000	25 × 145	70	445 × 250 × 90
SL FLEX SM RV25ST P 13W 730 WAL	4058075552241	13	1700	131	3000	100000	25 × 145	70	445 × 250 × 90
SL FLEX SM RV25ST P 13W 740 WAL	4058075552258	13	1780	137	4000	100000	25 × 145	70	445 × 250 × 90
SL FLEX SM RV25ST P 25W 727 WAL	4058075552265	25	3270	131	2700	100000	25 × 145	70	445 × 250 × 90
SL FLEX SM RV25ST P 25W 730 WAL	4058075552272	25	3370	135	3000	100000	25 × 145	70	445 × 250 × 90
SL FLEX SM RV25ST P 25W 740 WAL	4058075552289	25	3550	141	4000	100000	25 × 145	70	445 × 250 × 90
SL FLEX SM RV25ST P 36W 727 WAL	4058075552296	36	4850	135	2700	100000	25 × 145	70	445 × 250 × 90
SL FLEX SM RV25ST P 36W 730 WAL	4058075552302	36	4950	138	3000	100000	25 × 145	70	445 × 250 × 90
SL FLEX SM RV25ST P 36W 740 WAL	4058075552319	36	5180	144	4000	100000	25 × 145	70	445 × 250 × 90

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions<sup>2</sup> t[h]; L90/B10 @ 25 °C (T<sub>a</sub>)

## STREETLIGHT FLEX MEDIUM

IP66 streetlight with up to 147 lm/W



### PRODUCT FEATURES

- High luminous efficacy: up to 147 lm/W
- Very long lifetime (L90/B10): up to 100000h (at 25 °C)
- Spigot included, suitable for 48...60 mm diameter poles
- Adjustable spigot for both side-entry and post-top installation
- +/-15° tilt angle adjustment without opening the housing

### PRODUCT BENEFITS

- Durable IP66 & IK08 design and highest quality component selection for long lasting performance
- Easy installation due to tool-free housing opening and push button wiring terminal
- High light uniformity
- No upper light output ratio (ULOR 0 %) when mounted at 0° tilt
- 5 years guarantee

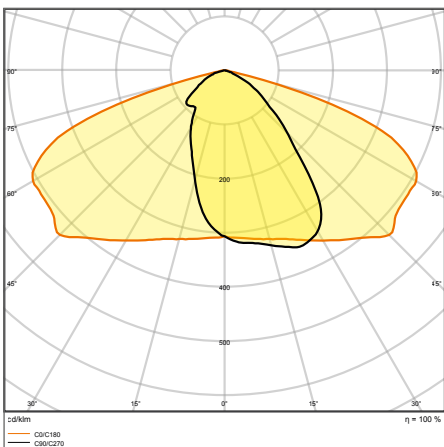
### AREAS OF APPLICATION

- Outdoor use (IP66)
- M-, C- and P-class roads acc. to EN 13201
- Parking
- Public areas
- Industry

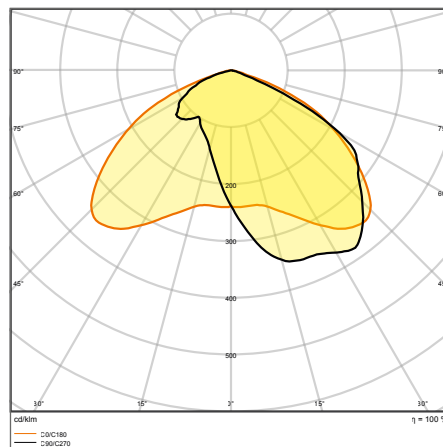
### EQUIPMENT/ACCESSORIES

- Spigot for 42 and 76 mm poles available separately

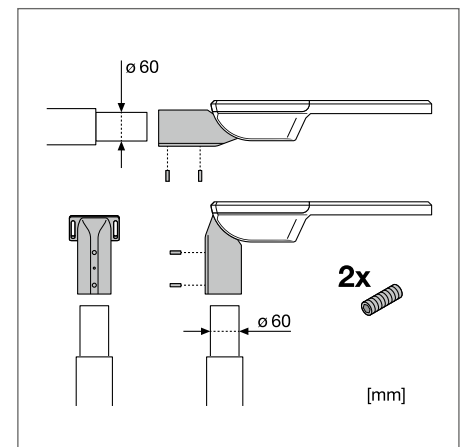
### FURTHER PRODUCT DETAILS



SL FLEX MD RV25ST P 80W 740 WAL



SL FLEX MD RW35ST P 80W 740 WAL



## STREETLIGHT FLEX MEDIUM RV25ST

Very wide light distribution for general road lighting

PERFOR-  
MANCE  
CLASSFLICKER  
VALUE  
≤10%

IP66

IK08

LEDVANCE<sup>1</sup>  
5  
year  
guarantee

Product name	EAN (GTIN)	W	lm	lm/w	K	L90 <sup>2</sup>		CRI	L x W x H [mm] Ø x H [mm]
SL FLEX MD RV25ST P 58W 727 WAL	4058075552326	58	7750	134	2700	100000	25 × 145	70	496 × 250 × 90
SL FLEX MD RV25ST P 58W 730 WAL	4058075552333	58	8250	142	3000	100000	25 × 145	70	496 × 250 × 90
SL FLEX MD RV25ST P 58W 740 WAL	4058075552340	58	8500	147	4000	100000	25 × 145	70	496 × 250 × 90
SL FLEX MD RV25ST P 80W 727 WAL	4058075552357	80	10550	132	2700	100000	25 × 145	70	496 × 250 × 90
SL FLEX MD RV25ST P 80W 730 WAL	4058075552371	80	11400	143	3000	100000	25 × 145	70	496 × 250 × 90
SL FLEX MD RV25ST P 80W 740 WAL	4058075552395	80	11650	146	4000	100000	25 × 145	70	496 × 250 × 90

## STREETLIGHT FLEX MEDIUM RW35ST

Wide light distribution optimized for wider roads and area lighting

PERFOR-  
MANCE  
CLASSFLICKER  
VALUE  
≤10%

IP66

IK08

LEDVANCE<sup>1</sup>  
5  
year  
guarantee

Product name	EAN (GTIN)	W	lm	lm/w	K	L90 <sup>2</sup>		CRI	L x W x H [mm] Ø x H [mm]
SL FLEX MD RW35ST P 80W 727 WAL	4058075552364	80	10500	131	2700	100000	35 × 135	70	496 × 250 × 90
SL FLEX MD RW35ST P 80W 730 WAL	4058075552388	80	11300	141	3000	100000	35 × 135	70	496 × 250 × 90
SL FLEX MD RW35ST P 80W 740 WAL	4058075552401	80	11500	144	4000	100000	35 × 135	70	496 × 250 × 90

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions<sup>2</sup> t[h]; L90/B10 @ 25 °C (T<sub>a</sub>)



# STREETLIGHT FLEX LARGE

IP66 streetlight with up to 155 lm/W



## PRODUCT FEATURES

- High luminous efficacy: up to 155 lm/W
- Very long lifetime (L90/B10): up to 100000h (at 25 °C)
- Spigot included, suitable for 48...60 mm diameter poles
- Adjustable spigot for both side-entry and post-top installation
- +/-15° tilt angle adjustment without opening the housing

## PRODUCT BENEFITS

- Durable IP66 & IK08 design and highest quality component selection for long lasting performance
- Easy installation due to tool-free housing opening and push button wiring terminal
- High light uniformity
- No upper light output ratio (ULOR 0 %) when mounted at 0° tilt
- 5 years guarantee

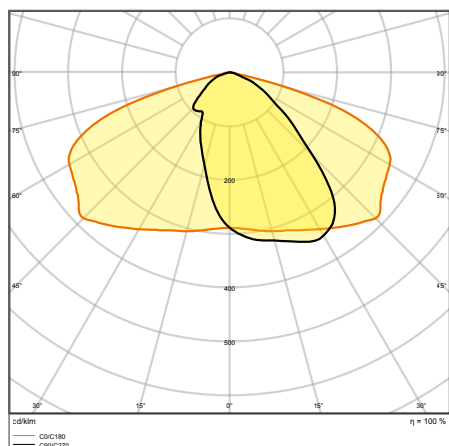
## AREAS OF APPLICATION

- Outdoor use (IP66)
- M-, C- and P-class roads acc. to EN 13201
- Parking
- Public areas
- Industry

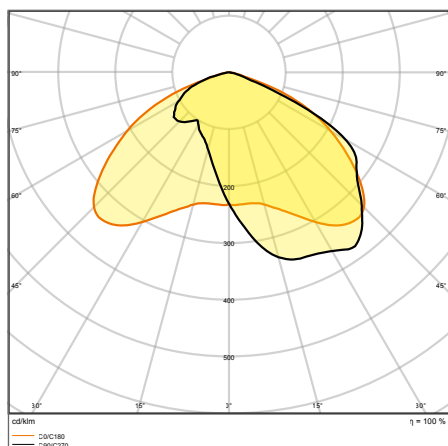
## EQUIPMENT/ACCESSORIES

- Spigot for 42 and 76 mm poles available separately

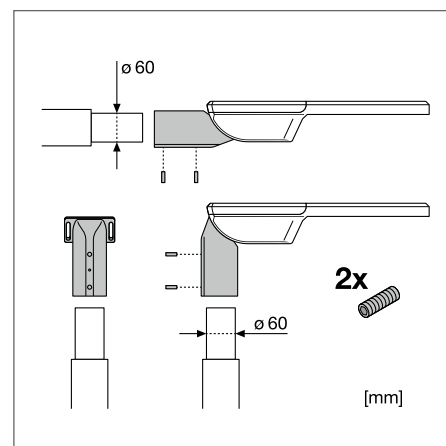
## FURTHER PRODUCT DETAILS



SL FLEX LA RV25ST P 158W 740 WAL



SL FLEX LA RW35ST P 158W 740 WAL



## STREETLIGHT FLEX LARGE RV25ST

Very wide light distribution for general road lighting

PERFOR-  
MANCE  
CLASSFLICKER  
VALUE  
≤10%

IP66

IK08

LEDVANCE<sup>1</sup>  
5  
year  
guarantee

Product name	EAN (GTIN)	W	lm	lm/w	K	L90 <sup>2</sup>		CRI	L x W x H [mm] Ø x H [mm]
SL FLEX LA RV25ST P 110W 727 WAL	4058075552418	110	15250	139	2700	100000	25 × 145	70	617 × 300 × 90
SL FLEX LA RV25ST P 110W 730 WAL	4058075552432	110	16500	150	3000	100000	25 × 145	70	617 × 300 × 90
SL FLEX LA RV25ST P 110W 740 WAL	4058075552456	110	16800	153	4000	100000	25 × 145	70	617 × 300 × 90
SL FLEX LA RV25ST P 158W 727 WAL	4058075552470	158	21150	134	2700	100000	25 × 145	70	617 × 300 × 90
SL FLEX LA RV25ST P 158W 730 WAL	4058075552494	158	23350	148	3000	100000	25 × 145	70	617 × 300 × 90
SL FLEX LA RV25ST P 158W 740 WAL	4058075552517	158	24450	155	4000	100000	25 × 145	70	617 × 300 × 90

## STREETLIGHT FLEX LARGE RW35ST

Wide light distribution optimized for wider roads and area lighting

PERFOR-  
MANCE  
CLASSFLICKER  
VALUE  
≤10%

IP66

IK08

LEDVANCE<sup>1</sup>  
5  
year  
guarantee

Product name	EAN (GTIN)	W	lm	lm/w	K	L90 <sup>2</sup>		CRI	L x W x H [mm] Ø x H [mm]
SL FLEX LA RW35ST P 110W 727 WAL	4058075552425	110	15200	138	2700	100000	35 × 135	70	617 × 300 × 90
SL FLEX LA RW35ST P 110W 730 WAL	4058075552449	110	16350	149	3000	100000	35 × 135	70	617 × 300 × 90
SL FLEX LA RW35ST P 110W 740 WAL	4058075552463	110	16650	151	4000	100000	35 × 135	70	617 × 300 × 90
SL FLEX LA RW35ST P 158W 727 WAL	4058075552487	158	21000	133	2700	100000	35 × 135	70	617 × 300 × 90
SL FLEX LA RW35ST P 158W 730 WAL	4058075552500	158	23200	147	3000	100000	35 × 135	70	617 × 300 × 90
SL FLEX LA RW35ST P 158W 740 WAL	4058075552524	158	23900	151	4000	100000	35 × 135	70	617 × 300 × 90

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions<sup>2</sup> t[h]: L90/B10 @ 25 °C (T<sub>a</sub>)

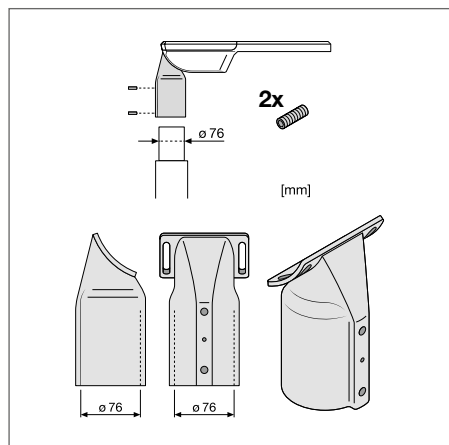
## STREETLIGHT FLEX ACCESSORIES

Mounting accessories for STREETLIGHT FLEX luminaires

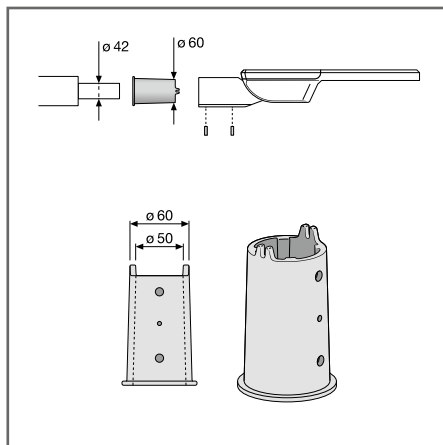


- Larger pole adapter, suitable for 76 mm poles
- Reduction piece, enabling the standard adapter for installation at 42 mm poles
- Suitable for all Streetlight Flex types

### FURTHER PRODUCT DETAILS



ADAPTER FOR 76 MM POLES



REDUCTION ADAPTER FOR 42 MM POLES



Product name	EAN (GTIN)	L x W x H [mm] Ø x H [mm]	MATERIAL	COLOR	No.
SL FLEX SPIGOT 76MM WAL	4058075552531	191 x 114 x 91	Aluminum	White Aluminum	1
SL FLEX REDUCTION 60 TO 42MM WAL	4058075552579	76 x 122	Aluminum	White Aluminum	2

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.







# EMERGENCY LIGHTING

SAFETY: A QUESTION OF LIGHT

Using the right emergency lighting, buildings can be evacuated quickly and safely. It helps prevent panic. This requires the installed luminaires to work even if power supply is interrupted. LEDVANCE offers a wide range of certified single-battery emergency luminaires and emergency lighting components that can be retrofitted:

## 1. LUMINAIRES WITH ADDITIONAL EMERGENCY LIGHTING FUNCTIONALITY

Many standard LEDVANCE luminaires are also available as single-battery luminaires. This allows you to implement the emergency lighting in the same style as your luminaire installation.

## 2. EMERGENCY CONVERSION BOX

With the Emergency Conversion Box, which is available separately, you can quickly and easily convert a selection of your LEDVANCE Panels and Downlights into single-battery emergency luminaires.

For details go to [www.ledvance.com/emergency](http://www.ledvance.com/emergency)



## STANDARD LUMINAIRES WITH EMERGENCY LIGHTING FUNCTIONALITY

1



SURFACE BULKHEAD EM



PANEL INDIVILED EM



DAMP PROOF LED EM



DAMP PROOF HOUSING EM



LINEAR SURFACE IP44 EM



TRUSYS FLEX EM



LINEAR ULTRA OUTPUT EM

**LEDVANCE OFFERS AN EXTENSIVE PORTFOLIO OF SINGLE-BATTERY EMERGENCY LUMINAIRES**

- Emergency luminaires certified to EN 60598-2-22
- Integrated automatic test function for simple testing of emergency lighting operation
- Emergency lighting and battery status display by means of integrated status LED
- Emergency lighting operated on a long-life LiFePO4 battery (3h discharge time)

For details of the available EANs see the relevant product sections of the luminaires displayed.

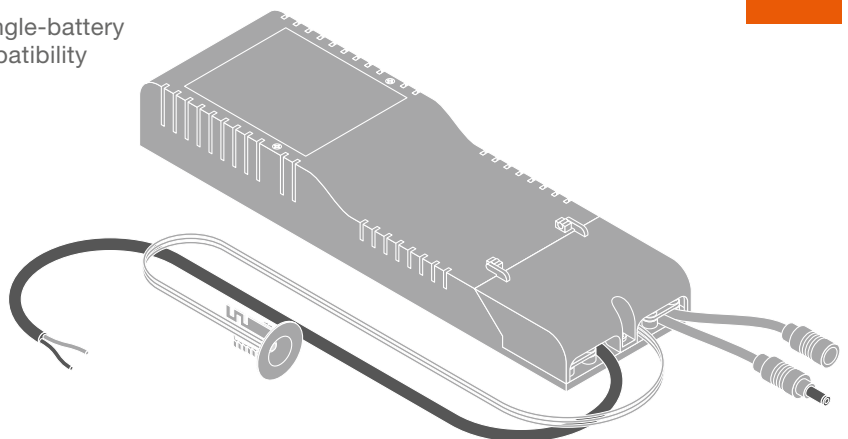
## LUMINAIRE UPGRADES WITH THE EMERGENCY CONVERSION BOX

2

Using our Emergency Conversion Box, certified luminaires can be equipped with single-battery emergency functionality. An up to date compatibility list is available through our website.

**YOUR BENEFITS OF UPGRADING WITH THE EMERGENCY CONVERSION BOX:**

- Plug-and-play system allows easy installation and quick conversion of existing luminaires
- Emergency lighting module reduces warehousing complexity for emergency luminaires
- Integrated automatic test function for simple testing of emergency lighting operation
- Emergency lighting operated on a long-life LiFePO4 battery (3h discharge time)



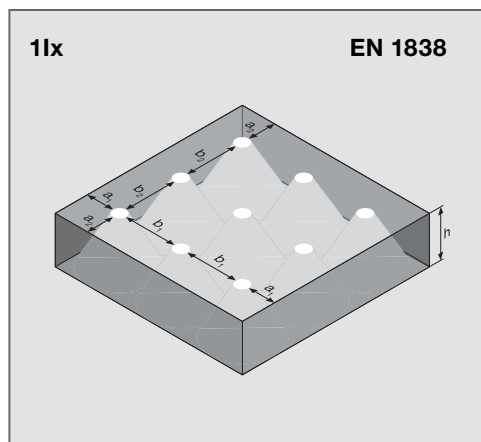


# DAMP PROOF LED EMERGENCY: PLANNING EXAMPLE FOR ANTI-PANIC AND ESCAPE ROUTE LIGHTING



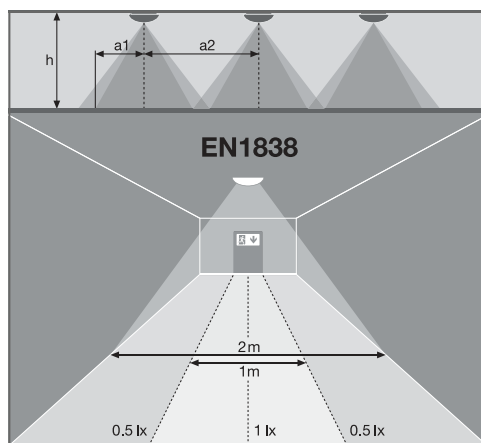
DAMP PROOF LED EM

For more information and planning aids for emergency luminaires see the eCatalog at [www.ledvance.com/professional](http://www.ledvance.com/professional)



## ANTI-PANIC LIGHTING

h [m]	a <sub>1</sub> [m]	b <sub>1</sub> [m]	a <sub>2</sub> [m]	b <sub>2</sub> [m]
2.5	4.0	9.5	4.0	9.0
3.0	4.5	10.0	4.5	9.5
3.5	5.0	10.5	5.0	10.0
4.0	5.5	11.0	5.5	10.5



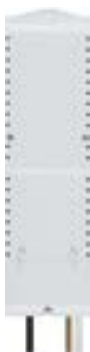
## ESCAPE ROUTE LIGHTING

h [m]	a <sub>1</sub> [m]	a <sub>2</sub> [m]
2.5	4.0	9.0
3.0	4.5	9.5
3.5	5.0	10.0
4.0	5.5	10.5



# EMERGENCY CONVERSION BOX

Emergency conversion box to convert recessed luminaires to self-contained emergency luminaires



- Self-contained emergency conversion unit
- Function test of emergency lighting: automatic (AT)
- Battery technology: LiFePO4
- Recessed ceiling mounting
- Conversion of selected LEDVANCE panels and downlights to emergency luminaires
- Emergency conversion unit reduces stock keeping complexity from emergency lighting
- Plug-and-play system allows easy installation
- Simple testing of luminaires with emergency lighting function thanks to integrated automatic test function
- Operation of integrated emergency lighting function with long life LiFePO4 battery with 3h battery discharge time



Product name	EAN (GTIN)	L x W x H [mm] Ø x H [mm]	MATERIAL	COLOR	1
EM Conversion Box	4058075237025	292 x 81 x 41	—	—	1

## EMERGENCY LIGHTING PROPERTIES

Product name	Battery life in emergency operation mode	Type of emergency operation test	Type of emergency light operation	Luminous flux in emergency operation mode	Type of Battery
EM Conversion Box	3h	Automatic	Maintained/Non-maintained	300...480 lm (depending on the luminaire)	LiFePO4

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions  
The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

# HIGH-QUALITY, COMPACT AND EFFICIENT LEDVANCE LED DRIVERS FOR CONSTANT CURRENT



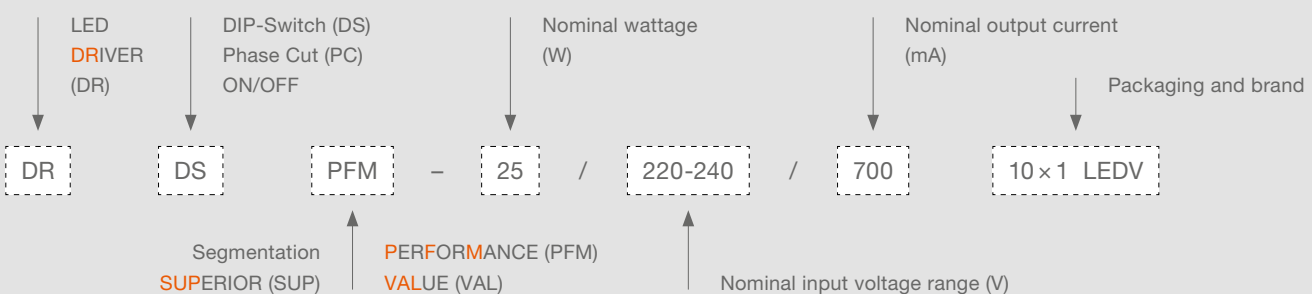
LEDVANCE also offers the right solution for integration in LED luminaires or operation of independent indoor downlighting/spotlighting with its drivers for constant current (CC).

The wide range of high-quality SELV-insulated LEDVANCE constant current LED drivers with output currents of 250 mA to 1 400 mA provides you with solid options for operating virtually all standard LED modules. Flexible power settings allow for correct integration in different LED luminaires. Leading-edge

and trailing-edge phase cut options are available for dimming applications. The compact housing design, optional cable clamps and simple wiring make installation quick and easy even in tight spaces, reducing your installation time and costs. The life of up to 50 000 hours is another strong argument.

## NAMING OF THE CC DRIVERS

The names of the CC drivers reveal their properties:



## LED DRIVER DALI PERFORMANCE G2

Compact constant current LED driver with DALI dimming interface



### PRODUCT BENEFITS

- Low flickering enables high light quality as well as good visual comfort
- Push DIM application for easy control
- High-quality dimming of 1...100 %
- Flexible dip switch current settings in 50 mA steps
- Toolless installation

### AREAS OF APPLICATION

- Suitable for indoor SELV installations
- Suitable for use in emergency lighting systems (DC capable)
- Attachment and installation in furniture
- Linear lighting for office, education, storage areas and retail



Product name	EAN (GTIN)	W	V	V <sub>OUT</sub>	Hz	I <sub>mA</sub>
DR DALI-PFM-26/220-240/700	4058075779631	26	220...240	9...52	50/60	150/200/250/300/350/400/450/500/550/600/650/700
DR DALI-PFM-44/220-240/1050	4058075779723	44	220...240	9...52	50/60	700/750/800/850/900/950/1000/1050
DR DALI-PFM-60/220-240/1A4	4058075779662	60	220...240	9...52	50/60	700/750/800/850/900/950/1000/1050/1100/1200/1250/1300/1350/1400

Product name	W	t <sub>inj</sub> <sup>2</sup>	T <sub>a</sub>	T <sub>c</sub>	PROTECTION CLASS	L x W x H [mm] Ø x H [mm]	Light No.
DR DALI-PFM-26/220-240/700	+/- 5	1...100	50000	-20...+50	85	II	98 x 44 x 32 1
DR DALI-PFM-44/220-240/1050	+/- 5	1...100	50000	-20...+50	90	II	98 x 44 x 32 2
DR DALI-PFM-60/220-240/1A4	+/- 5	1...100	50000	-20...+50	90	II	112 x 76 x 32 3

### EQUIPMENT/ACCESSORIES



Product name	DR AY ZB+DALI CLAMP DUO
Description	—
GTIN (EAN)	4058075483125
L x W x H [mm]	52.5 x 76 x 32



Product name	DR AY ZB+DALI CLAMP
Description	—
GTIN (EAN)	4058075483149
L x W x H [mm]	50 x 44 x 32

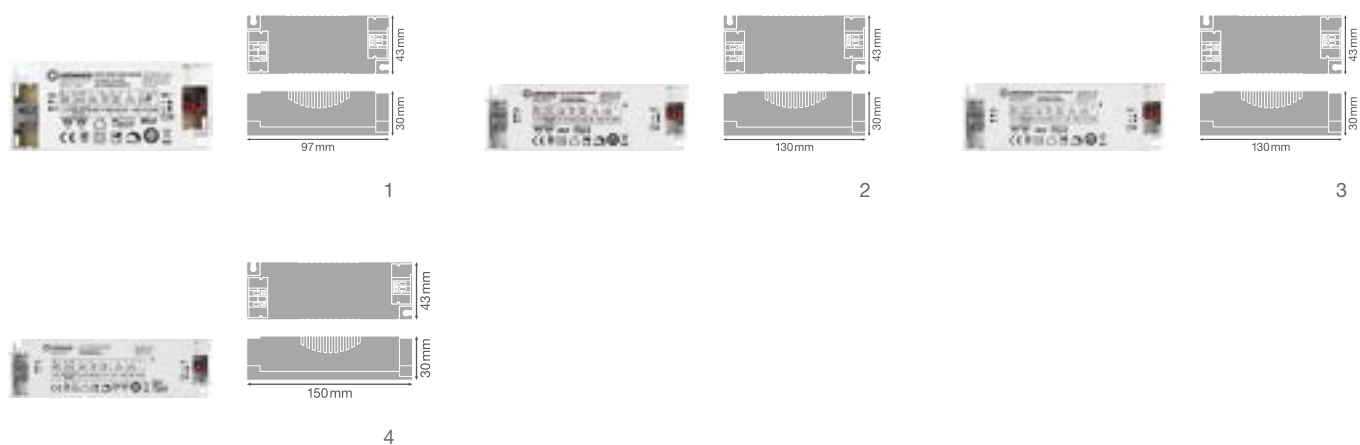
<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions

<sup>2</sup> At maximum T<sub>c</sub> = 75°C / 10% failure rate

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

## LED DRIVER PHASE-CUT PERFORMANCE

Constant current LED driver with phase-cut dimming interface



### PRODUCT BENEFITS

- Enables installation with commonly used leading-edge and trailing-edge dimmers
- 5 years guarantee
- Slim housing for narrow installations
- High efficiency and reliability

### AREAS OF APPLICATION

- Suitable for LED luminaires and LED modules
- Applicable for luminaires of protection classes I and II
- For indoor SELV installations
- Offices, shopping centers, hospitals, restaurants, hotels

PERFORMANCE CLASS

LEDVANCE  
**5** year guarantee

Product name	EAN (GTIN)	W	V	V <sub>OUT</sub>	Hz	I <sub>mA</sub>	
DR PC-PFM-13/220-240/350	4058075239814	13	220...240	17...36	50/60	350	< 5
DR PC-PFM-18/220-240/350	4058075239838	18	220...240	32...54	50/60	350	< 5
DR PC-PFM-25/220-240/700	4058075239852	25	220...240	20...36	50/60	700	< 5
DR PC-PFM-35/220-240/700	4058075239876	35	220...240	30...50	50/60	700	< 5

Product name	W	t <sub>h</sub> <sup>2</sup>	T <sub>a</sub>	T <sub>c</sub>	PROTECTION CLASS	L × W × H [mm] Ø × H [mm]	
DR PC-PFM-13/220-240/350	10...100	50000 <sup>a)</sup>	-20...+50	75	II	97 × 43 × 30	1
DR PC-PFM-18/220-240/350	10...100	50000 <sup>b)</sup>	-20...+50	70	II	130 × 43 × 30	2
DR PC-PFM-25/220-240/700	10...100	50000 <sup>b)</sup>	-20...+50	75	II	130 × 43 × 30	3
DR PC-PFM-35/220-240/700	10...100	50000 <sup>c)</sup>	-20...+50	85	II	150 × 43 × 30	4

### EQUIPMENT/ACCESSORIES

	<b>Product name</b>	DR AY PC-PFM-CLAMP DUO
	<b>Description</b>	Cable clamps for Phase-Cut LED Drivers
	<b>GTIN (EAN)</b>	4058075313170
	<b>L × W × H [mm]</b>	38.3×34×28.5

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions | <sup>2</sup> a) At maximum T<sub>c</sub> = 75°C / 10% failure rate, b) At maximum T<sub>c</sub> = 70°C / 10% failure rate, c) At maximum T<sub>c</sub> = 85°C / 10% failure rate  
The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

## LED DRIVER DIP-SWITCH

Constant current LED driver with dip-switch current setting



### PRODUCT BENEFITS

- High flexibility due to adjustable output currents via dip switch
- Low flickering enables high light quality as well as good visual comfort
- 5 years guarantee
- Slim housing for narrow installations
- High efficiency and reliability

### AREAS OF APPLICATION

- Suitable for LED luminaires and LED modules
- Applicable for luminaires of protection classes I and II
- Suitable for a broad range of luminaires (by broad range of dip switch currents)
- For indoor SELV installations
- Offices, shopping centers, hospitals, restaurants, hotels

PERFORMANCE CLASS



Product name	EAN (GTIN)	W	V	V <sub>OUT</sub>	Hz	I [mA]	
NEW DR DS-P-20/220-240/500	4099854077050	20	220...240	20...42	50/60	150/200/250/300/350/400/450/500	≤ 5
NEW DR DS-P-30/220-240/700	4099854077081	30	220...240	25...42	50/60	350/400/450/500/550/600/650/700	≤ 5
NEW DR DS-P-40/220-240/1A0	4099854077111	42	220...240	25...40	50/60	700/750/800/900/950/1000/1050	≤ 5

Product name	t <sub>in</sub> <sup>2</sup>	T <sub>a</sub>	T <sub>c</sub>	PROTECTION CLASS	L × W × H [mm] Ø × H [mm]	
DR DS-P-20/220-240/500	50000	-20...+50	< 90	II	98 × 44 × 26	1
DR DS-P-30/220-240/700	50000	-20...+50	< 80	II	98 × 44 × 26	2
DR DS-P-40/220-240/1A0	50000	-20...+50	85	II	98 × 44 × 26	3

### EQUIPMENT/ACCESSORIES



Product name	DR AY DS-P-CLAMP DUO
Description	Cable clamps for DIP-Switch LED Drivers
GTIN (EAN)	4099854077937
L × W × H [mm]	35 × 35 × 24

<sup>1</sup> Refer to [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) for precise conditions | <sup>2</sup> At maximum T<sub>c</sub> = 75°C / 10% failure rate  
The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.



**QUICK & EASY**

# TAILOR-MADE CALCULATIONS – WITH OUR FAST LIGHT CALCULATION TOOL OR DIALUX/RELUX

We have put together our tools and services for achieving accurate calculations for your projects. Do you want quick information from the Fast Light Calculation Tool or detailed professional planning with DIALux and RELUX? We'll give you individual advice and, together with you, we'll plan the optimum lighting for your complete project.

## FAST LIGHT CALCULATION TOOL

With the handy calculation tool on our website, we offer installers and lighting professionals a quick and easy way to plan lighting projects successfully. The results are compiled in a PDF document which you can attach to your email tenders, for example. For more information go to [ledvance.com/flct](http://ledvance.com/flct)



## THE INFORMATION PROVIDED BY THE TOOL INCLUDES THE FOLLOWING:

- Number of luminaires needed
- Floor plan showing the distribution of the luminaires
- Illuminance, total power (W) and specific load (W/m<sup>2</sup>)
- Light distribution curve for every luminaire

## MORE BENEFITS FOR YOU:

- Intuitive operation of the tool
- Preselection of application areas with minimum lux values
- Info boxes explaining the values to be entered
- Generation of a final PDF with the results, including a floor plan showing the distribution of the luminaires

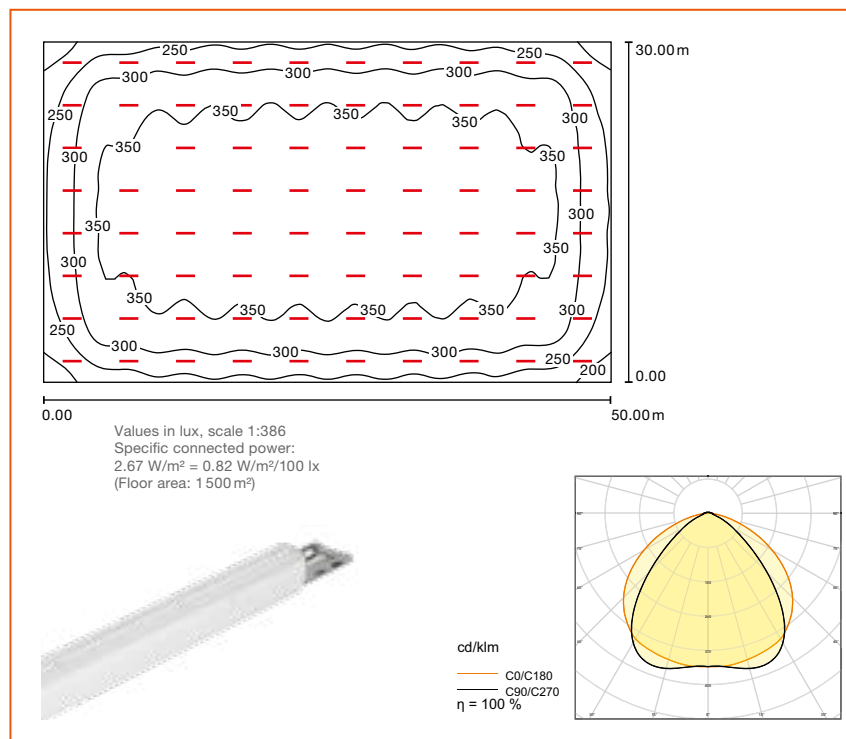
The Fast Light Calculation Tool is no substitute for comprehensive professional planning with DIALux or any other professional light planning software.

## PROFESSIONAL

## DIALUX AND RELUX

Good news for DIALux and RELUX users: Since the start of 2018 LEDVANCE has been working with the software producers. DIALux and RELUX users can now easily integrate LEDVANCE products in their lighting plans. Our luminaire data is also BIM-compatible.

We also support users with customized advice on planning their lighting systems and offer tailored solutions for an extremely wide variety of lighting requirements – all entirely from a single source.



## SAMPLE DIALUX CALCULATION WITH TRUSYS PFM 50W/4000K

## ROOM DEFINITION

Industrial storage

## ROOM DIMENSIONS

- Floor area:  $1500 \text{ m}^2$
- Ceiling height: 8 m
- Installation height: 7 m

## REFLECTANCE

- Ceiling: 70 %
- Walls (4): 50 %
- Flooring: 20 %

## BASIS FOR CALCULATION

- Relevant standard DIN EN12464-1
- Required illuminance  $E_m$ : 300 lx
- Required uniformity  $E_{min}/E_m$ : 0.40
- Maintenance factor: 0.80
- Boundary zone: 0.00 m

## RESULTS: ILLUMINANCE IN THE STORAGE ROOMS

Area	Average (target)	Min	Max	Uniformity $E_{min}/E_m$ (target)
work level, storage space	<b>325 lx</b> (300 lx)	168 lx	385 lx	<b>0.516</b> (0.4)

## YOUR BENEFITS AT A GLANCE

Tailored calculation for accurate planning of your project:

- Uniformly good light distribution
- Precise wattage per sqm
- Maximum efficient calculation of required number of luminaires

**See for yourself.**

CASE STUDY:

# EDUARDO TORROJA INSTITUTE OF CONSTRUCTION



**THE MOST IMPORTANT FACTS  
AT A GLANCE:**

- Over 800 new LED luminaires and lamps installed
- Modernization of lighting technology with a seamless integration into existing in-house control system
- Increased efficiency, enhanced light quality and reduced maintenance costs
- Compliance with workplace safety and energy efficiency regulations



# SCIENCES

## MODERN LED SOLUTIONS FROM A SINGLE SOURCE

The Eduardo Torroja Institute of Construction Sciences (IETCC) in Madrid focuses on scientific research and technological advancements in construction and materials. To modernize its lighting while preserving the original architectural design and identity, the institute sought to retrofit the historic buildings with energy-efficient LED technology and integrate them into the building's control system.

LEDVANCE successfully upgraded the lighting system in the buildings with over 800 modern LED luminaires and lamps, for example in entrance halls, stairwells, corridors, outside areas, the canteen and executive lobby. This modernization has ensured compliance with workplace safety and energy efficiency regulations, while providing the client with enhanced light quality and reduced maintenance expenses.

### PROJECT:

Upgrade to efficient LED lighting in the historic institute building 

**VERTICAL:** Facility management – Educational institutions

**APPLICATION:** Lighting for office and industrial

**TECHNOLOGY:** LED technology

### LEDVANCE PRODUCTS:



LED Panel Comfort 1200



LED Tracklight Spot Zoom Dim



LED Damp Proof



LED Surface Compact

# GOOD LIGHT ALL ROUND

## THE FULL LEDVANCE RANGE

LEDVANCE offers a wide portfolio of energy-efficient and future-proof lighting solutions. Whether you need luminaires, lamps, HCL systems, electronic components, light management systems or smart residential products, LEDVANCE is your expert partner for complex lighting projects. You can always rely on LEDVANCE for excellent brand quality, professional service and a good price/performance ratio.



### FUNCTIONAL AESTHETIC LUMINAIRES

The extensive luminaire portfolio covers virtually all professional and residential applications and delivers outstanding quality and functionality. LEDVANCE provides a constantly growing number of luminaires that communicate via DALI standard or Zigbee protocol. When using the right control units even IoT functionalities via cloud services are possible. Our systems provide users with tunable white light according to their personal preferences or even biologically effective light for more well-being. VIVARES is the umbrella brand for all those light management options available from one single source.

### HIGHLY EFFICIENT LAMPS

Our new professional LEDVANCE LED lamp portfolio offers you a comprehensive selection of shapes and base sizes as well as types with additional functions (e.g. sensors) to cover a wide variety of demands – all EU-compliant, future-proof, energy-efficient and cost-effective.

### FLEXIBLE LED STRIP SYSTEM

The LED Strip System comprises a large number of flexible LED strips, drivers and matching accessories. With a wide range of luminous fluxes and light colors, the system allows bespoke lighting solutions. And with our Cut on Demand service we design customer-specific project solutions for virtually any indoor or outdoor application. Easy to plan, easy to combine and easy to install – that's the principle here.

### LIGHT MANAGEMENT IS VIVARES

With the VIVARES light management systems (LMS), LEDVANCE offers everything you need for optimizing your light and saving energy, CO<sub>2</sub> and costs at the same time. Both floor solutions up to 1 000 m<sup>2</sup> and single room solutions up to 200 m<sup>2</sup> are covered by the exactly fitting LMS components and compatible light sources. The systems are simple in configuration and commissioning from plug and play to more complex, customizable solutions or app control and come with a 5-year guarantee. Light management is easy – with all components coming from one single source.

### SMART LIGHTING FOR RESIDENTIAL APPLICATIONS

Our smart residential products offer a comprehensive combination of innovation, quality, reliability and user friendliness. We provide a suitable solution for a variety of requirements that intelligent lighting has to meet.

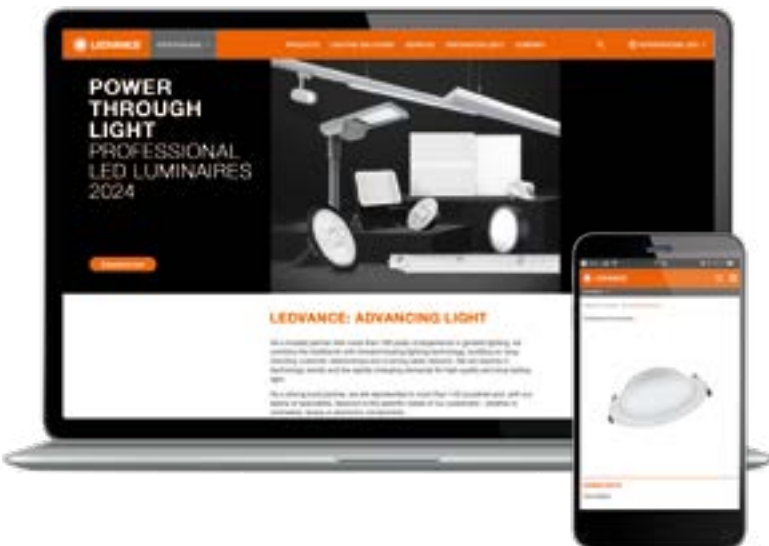
### MORE INFORMATION AND CLEVER TOOLS

Go to [ledvance.com](http://ledvance.com) for more information on LEDVANCE's extensive product portfolio, clever apps and tools that will help you in your day-to-day work.

[www.ledvance.com](http://www.ledvance.com)

# WHENEVER AND WHEREVER: THE ONLINE PORTAL WITH ALL THE INFORMATION, ADVICE AND EXPERTISE

Are you looking for information about our products and services? LEDVANCE always keeps you up to date: at wholesalers, through our sales employees or via our Customer Service Center (email: [contact@ledvance.com](mailto:contact@ledvance.com)). Here you'll find an overview of our competencies, databases and tools.



## ▶ PERFECTLY FILTERED

Use the online filters to find precisely what you're looking for in our luminaire portfolio – type of mounting, IP rating, light color, etc.: [ledvance.com/luminaires](https://www.ledvance.com/luminaires)

## ▶ REFERENCES PROVIDE INSPIRATION

A selection of some top lighting projects can be found at [ledvance.com/projects](https://www.ledvance.com/projects)

## ▶ LEDVANCE SERVICE-PLUS

Our specialized sales department supports and advises our commercial end customers – including face-to-face. Find out all you need to know at [ledvance.com/vam](https://www.ledvance.com/vam)

## ▶ DOWNLOAD CENTER

Catalogs, compatibility overviews, brochures, and much more are available for you in our download center: [ledvance.com/download](https://www.ledvance.com/download)

## ▶ OUR TOOLS FOR YOU

From the LED strip system configurator to the TCO calculator for lamps, you will find all the practical tools you need at [ledvance.com/tools](https://www.ledvance.com/tools)

## ▶ SERVICE AT A GLANCE

You will find a summary of all of our service offerings at [ledvance.com/services](https://www.ledvance.com/services)

## ▶ FIND OUR LATEST NEWS ON:



## THE ONLINE TRAINING PLATFORM

A host of application-oriented eLearnings for professional users, practical advice on installation, integrated standards checks, planning tips, and much more.

Register and find out more at [training.ledvance.com](https://www.training.ledvance.com)



## FAST LIGHT CALCULATOR

The light calculation tool – calculate your luminaire project requirement really conveniently, taking account of relevant parameters such as room size.<sup>1</sup> Available directly in the e-catalog!

## LIGHT CALCULATION WITH DIALUX AND RELUX

DIALux and RELUX users can now also integrate LEDVANCE products really easily into their lighting planning. We also support users through consultancy, calculation and aftersales support.

<sup>1</sup> The Fast Light Calculation Tool is no substitute for comprehensive professional planning with DIALux or any other professional light planning software.



## ABOUT LEDVANCE

With business activities in over 140 countries, LEDVANCE is one of the world's leading general lighting companies. Emerging from OSRAM's general lighting division, LEDVANCE's portfolio includes LED lamps and luminaires, intelligent lighting products, traditional lamps and renewable energy solutions.  
#POWERTHROUGHLIGHT



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