

PRODUCT DATASHEET

LB FLEX 1500 DALI P 105W 840 W

LOW BAY FLEX 1500 | Low-bay luminaires with attractive linear design, up to 160 lm/W



PERFOR-
MANCE
CLASS

Areas of application

- Replacement for luminaires with mercury vapor or metal halide lamps
- Warehouses
- Logistics halls
- Industrial and storage facilities
- Discounters, supermarkets
- Sports halls
- Indoor sports facilities

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

Product features

- Different luminous flux and beam angle for mounting heights of ~ 4 m to ~14 m in 4000 K
- Through-wiring cable already installed
- Long Lifetime (L80/B10): up to 100,000 h
- High color consistency: ≤ 3 SDCM



TECHNICAL DATA**Electrical data**

Nominal wattage	105 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	450 mA
Inrush current	17.3 A
Inrush current time T_{h50}	164 μ s
Max. number of luminaires per miniature circuit breaker B16	27
Max. number of luminaires per miniature circuit breaker C10	17
Max. number of luminaires per miniature circuit breaker C16	28
Power factor λ	≥ 0.90
Total harmonic distortion	≤ 20 %
Protection class	I
Operating mode	Electronic control gear (ECG)
Dimming interface	DALI-2 / IoT

Photometrical data

Luminous flux	16800 lm
Luminous efficacy	160 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥ 80
Standard deviation of color matching	< 3 sdcn
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	90 °

Product color	White
Housing color	White
Body material	Steel
Cover material	Polycarbonate (PC)
Light emitting surface material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-25...+50 °C
Temperature range at storage	-20...+80 °C
Type of connection	Screwless terminal
Type of protection	IP23
Protection class IK (shock resistance)	IK08
Dimmable	Yes
Type of dimming	DALI2
IoT ready	Support of DALI data type PART 251, 252, 253 ¹⁾
Mounting type	Surface/Suspended
Mounting location	Ceiling
Application environment	Indoor
Adjustable	No
With light source	Yes
Replaceable light source	No

¹⁾ Internet of Things. Supports data transfer via gateway to cloud-based monitoring platforms, such as LEDVANCE VIVARES Cloud

Lifespan

Lifespan L70/B50 at 25 °C	100000 h ¹⁾
Lifespan L80/B10 at 25 °C	100000 h ¹⁾
Lifespan L80/B50 at 25 °C	100000 h
Lifespan L90/B10 at 25 °C	82000 h
Number of switching cycles	50000

¹⁾ t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Control gear

Output current	460 mA
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ECG - Output ripple current	< 10 %
Recommended control gear	TRIDONIC/LCI 100/200-850/300 o4a si PRE

Emergency lighting

Wattage in emergency operation mode	18.9 W
Luminous flux in emergency operation mode	2662 lm

Certificates & Standards

Standards	CE / CB / ENEC / TÜV SÜD / EAC / UKCA
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

Additional product data

Added function	VIVARES
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Accessories Optional

Product image	Product name	EAN
	LB FLEX SUSPENSION KIT	4058075693722

EQUIPMENT / ACCESSORIES

– Suspension kit, ball-proof cover and angulation mounting kit available as separate accessory

Upgrade and replacement components

Components Light Control		
Product image	Product name	EAN
	MANUAL CONTROL UNIT SELECT DALI-2	4058075837485
	MANUAL CONTROL UNIT SELECT DALI-2 TW	4058075837508

Product image	Product name	EAN
	MANUAL CONTROL UNIT SELECT DALI-2 EXCHANGEABLE COVER TW	4058075837522
	MANUAL CONTROL UNIT TOUCH DALI-2 TW	4058075837560
	MANUAL CONTROL UNIT TOUCH DALI-2	4058075837546
	PUSH CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075837584
	SURFACE MOUNT FRAME	4058075843561
	PUSHBUTTON COUPLER DALI-2	4058075837607
	FLEX CONTROL UNIT IOT DALI-2 HCL TW	4058075841888
	FLEX CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075841901
	FLEX CONTROL UNIT DALI-2 TW	4058075843844
	FLEX CONTROL UNIT REAL-TIME-CLOCK DALI-2 HCL TW	4058075841925
	SENSOR DALI-2 LIGHT/PRESENCE-6 INFRARED CEILING INTEGRATION	4058075837621

Product image	Product name	EAN
	SENSOR DALI-2 LIGHT/PRESENCE-8 INFRARED CEILING INTEGRATION	4058075841949
	SENSOR DALI-2 LIGHT/PRESENCE-40X5 INFRARED CEILING INTEGRATION	4058075843868
	SENSOR DALI-2 LIGHT/PRESENCE-24 INFRARED CEILING MOUNTING	4058075843882
	SENSOR CEILING MOUNTING KIT	4058075843905

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	UI Lowbay Flex
	Legal information	Legal Insert LB FLEX DALI
	Legal information	LS Insert LB FLEX DALI
	Legal information	Informationstext 18 Abs 4 ElektroG
	Declarations of conformity	EU Declaration of conformity LB FLEX DALI
	Declarations of conformity UKCA	LB FLEX DALI 840

Photometric and lighting design files		Document name
	IES file (IES)	LB FLEX 1500 DALI P 105W 840 W
	LDT file (Eulumdat)	LB FLEX 1500 DALI P 105W 840 W
	ULD file (DIALux)	LB FLEX 1500 DALI P 105W

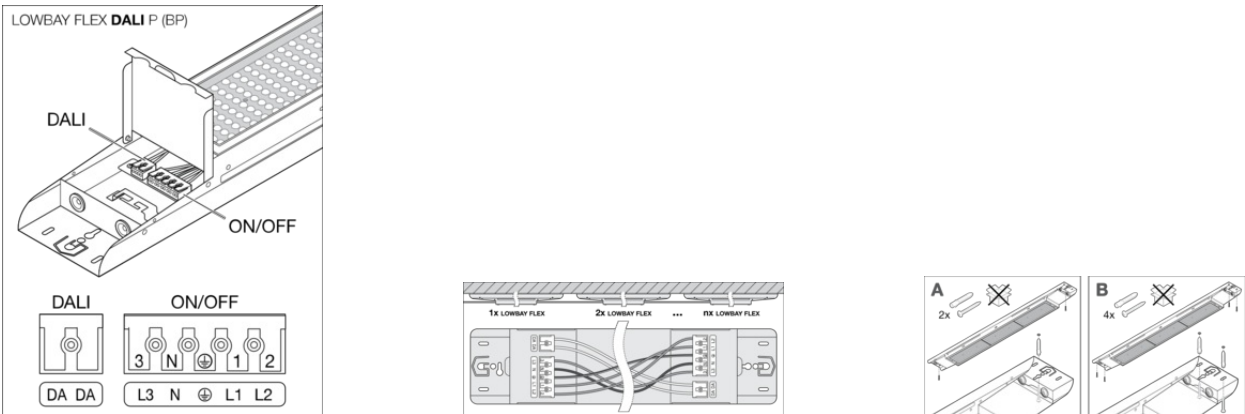
Photometric and lighting design files		Document name
	ROLF file (RELUX)	LB FLEX 1500 DALI
	UGR file (UGR table)	LB FLEX 1500 DALI P 105W 840 W
	Light distribution curve type cone	LB FLEX 1500 DALI P 105W 840 W
	Light distribution curve type polar	LB FLEX 1500 DALI P 105W 840 W
CAD/BIM files		Document name
	BIM Revit 3D	LOW BAY FLEX
	CAD STEP 3D	LB FLEX 1500
Tender texts		Document name
	Tender documents	LOW BAY FLEX 1500 DALI P 105W 840 W-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075676329	Folding box 1	106 mm x 1,572 mm x 154 mm	4605.00 g	25.66 dm ³
4058075676336	Shipping box 3	1,602 mm x 488 mm x 143 mm	16253.00 g	111.79 dm ³

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION





References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.