

# PRODUCT DATASHEET

## DP 5TH 1500 81W 840 IP65 GY

DAMP PROOF 5x THROUGHWIRING | Damp-proof luminaires, classic shape with 5x2.5mm<sup>2</sup> throughwiring

### Areas of application

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



PERFOR-  
MANCE  
CLASS

### Product benefits

- Low flicker  $\leq 10\%$
- Uniform light distribution
- Energy savings of up to 60 % (compared to luminaires that use fluorescent lamps)
- Easy installation, no tools required for connection

### Product features

- High luminous efficacy: up to 143 lm/W
- Type of protection: IP65
- Beam angle: 110°
- Through-wiring 5x2.5mm<sup>2</sup> already installed
- Polycarbonate housing



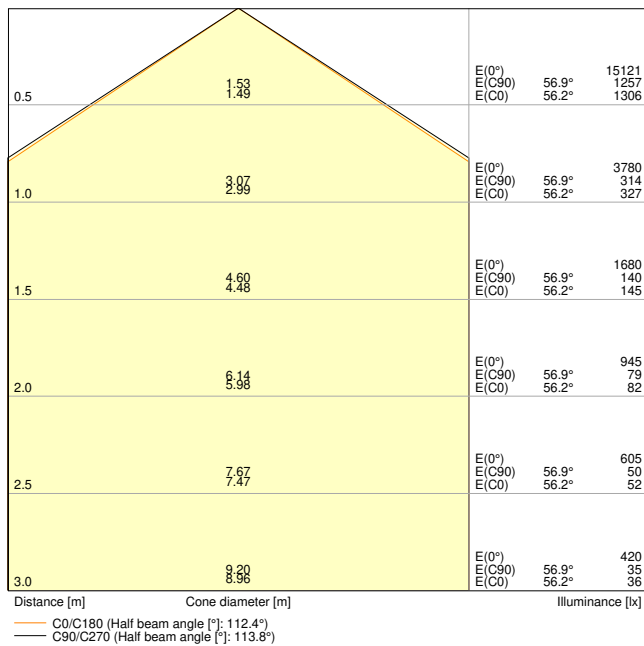
## TECHNICAL DATA

### Electrical data

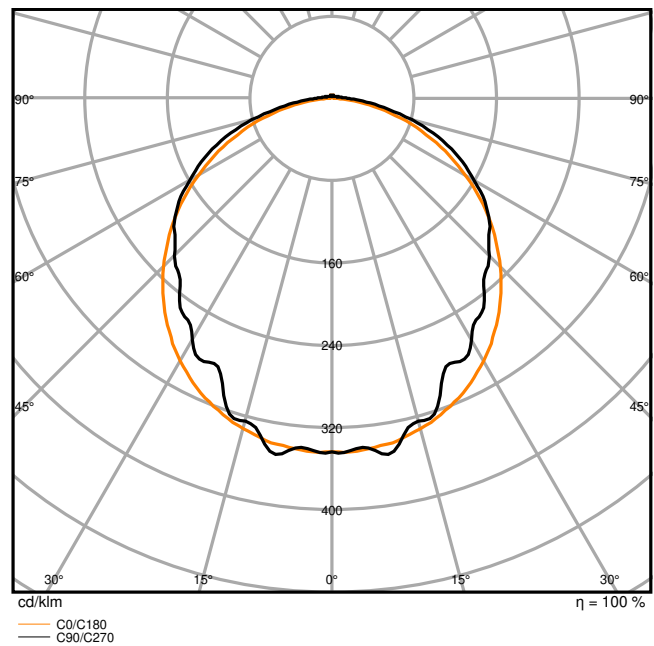
Nominal wattage	81 W / 69 W / 57 W / 46 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	395.000 mA
Inrush current	15.0 A
Inrush current time $T_{h50}$	496 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	13
Max. number of luminaires per miniature circuit breaker C10	16
Max. number of luminaires per miniature circuit breaker C16	26
Power factor $\lambda$	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

### Photometrical data

Luminous flux	11000 lm / 9600 lm / 8200 lm / 6600 lm
Luminous efficacy	135 lm/W / 139 lm/W / 143 lm/W
Color temperature	4000 K
Light color (designation)	Cool Daylight
Color rendering index Ra	> 80
Standard deviation of color matching	5 sdc <sub>m</sub>
Low flicker	Yes
Flickering metric (Pst LM)	$\leq 1$
Stroboscope effect metric (SVM)	$\leq 0.4$
Photobiological safety group acc. to EN62778	RG0
Beam angle	110 °



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Dimensions & Weight

Length	1500.00 mm
Width	82.00 mm
Height	68.00 mm
Product weight	1915.5 g



Materials & Colors

Product color	Gray
Housing color	Gray
Body material	Polycarbonate (PC)
Cover material	Polycarbonate (PC)

Light emitting surface material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	850 °C
Mercury content	0.0 mg

### Application & Mounting

Ambient temperature range	-25...+40 °C
Temperature range at storage	-25...+80 °C
Type of connection	Screwless terminal, 5-Pole
Type of protection	IP65
Protection class IK (shock resistance)	IK08
Dimmable	No
Mounting type	Suspended/Surface
Mounting location	Ceiling / Wall
Application environment	Indoor
With light source	Yes

### Lifespan

Lifespan L70/B50 at 25 °C	70000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	50000 h <sup>1)</sup>
Lifespan L80/B50 at 25 °C	50000 h
Lifespan L90/B10 at 25 °C	25000 h
Number of switching cycles	100000

<sup>1)</sup> 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	350 mA
ECG - Output ripple current	< 5 %

### Certificates & Standards

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















### Additional product data



Added function	MULTI SELECT
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## EQUIPMENT / ACCESSORIES


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

## DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	DP 5TH
	Legal information	Legal Insert DP 5TH
	Legal information	LSI DP 5TH
	Legal information	Informationstext 18 Abs 4 ElektroG
	Declarations of conformity	DP 5TH 1500
	Declarations of conformity UKCA	DP 5TH 1500
	Certificates	ENEC
Photometric and lighting design files		Document name
	IES file (IES)	DP 5TH 1500 81W 840 IP65 GY
	LDT file (Eulumdat)	DP 5TH 1500 81W 840 IP65 GY
	ULD file (DIALux)	DP 5TH 1500 81W 840 IP65 GY
	ROLF file (RELUX)	DP 5TH 1500 81W 840 IP65 GY
	UGR file (UGR table)	DP 5TH 1500 81W 840 IP65 GY
	Light distribution curve type cone	DP 5TH 1500 81W 840 IP65 GY
	Light distribution curve type polar	DP 5TH 1500 81W 840 IP65 GY

CAD/BIM files		Document name
	BIM Revit 3D	Damp Proof G2
	CAD STEP 3D	DP-Gen2 1500

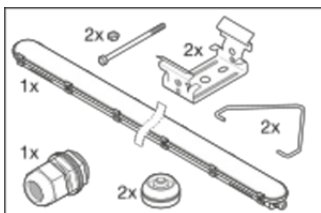
Tender texts		Document name
	Tender documents	DAMP PROOF 5x THROUGHWIRING 1500 81W 840 IP65 GY-EN

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854312489	Folding box 1	1,512 mm x 87 mm x 74 mm	1950.50 g	9.73 dm <sup>3</sup>
4099854312496	Shipping box 6	1,532 mm x 191 mm x 245 mm	12934.00 g	71.69 dm <sup>3</sup>

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](http://www.ledvance.com/guarantee)

**DISCLAIMER**

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