

PRODUCT DATASHEET

DP EM 1500 81W 840 IP65 GY

DAMP PROOF EMERGENCY | Damp-proof luminaires, classic shape with integrated emergency lighting function



AREAS OF APPLICATION

- Emergency illumination of escape routes
- Antipanic lighting
- Buildings requiring up to 3 h emergency light operation
- Industrial and storage facilities
- Car parks and underpasses
- Garages
- Workshops, assembly lines

PRODUCT BENEFITS

- Seamless integration of luminaires with emergency lighting function into general lighting
- Easy wiring thanks to included prewired driver and battery for Emergency lighting function
- Simple testing of luminaires with emergency lighting function thanks to integrated automatic test function
- Convenient visualization of results of automatic test with an included control LED
- Operation of integrated emergency lighting function with long life LiFePO4 battery with 3h battery discharge time
- Evenly distributed light in normal operation
- Energy savings of up to 60 % (compared to luminaires that use fluorescent lamps)
- Easy installation, no tools required for connection
- 3 years guarantee

PRODUCT FEATURES

- Luminaire suited for normal lighting and emergency lighting
- Certified according to European norms (EN 60598-1:2015; EN 60598-2-22:2014)
- Self-contained luminaires



- Emergency lighting function: battery discharge time of 3 h
- Function test of emergency lighting: automatic (AT)
- Battery technology: LiFePO4
- High luminous efficacy: up to 135 lm/W
- Type of protection: IP65
- Beam angle: 110°

TECHNICAL DATA

Electrical data

Nominal wattage	81.00 W
Operating mode	Integrated LED driver
Nominal voltage	220...240 V
Power factor λ	> 0.90
Mains frequency	50/60 Hz
Max. no. of lum. on circuit break. B16 A	10
Max. no. of lum. on circuit break. C10 A	11
Max. no. of lum. on circuit break. C16 A	18
Inrush current	13.5 A
Total harmonic distortion	< 20 %
Wattage in emergency operation mode	3.0 W
Nominal voltage of battery	3.2 V
Wattage in maintained operation mode	81.0 W
Inrush current time T_{h50}	590 μ s

Luminaire control gear data

Low flicker	Yes
Output current	350 mA

Photometrical data

Color temperature	4000 K
Luminous flux	11000 lm
Luminous efficacy	135 lm/W
Standard deviation of color matching	4 sdc _m
Light color (designation)	Cool White
Color rendering index Ra	>80
Luminous flux in emergency operation mode	500 lm
Luminous flux in maintained operation mode	11000 lm

Light technical data

Beam angle	110 °
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Dimensions & weight



Length	1500 mm
Width	82.0 mm
Height	68.0 mm
Product weight	1900.00 g

Colors & materials

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

Temperatures & operating conditions

Ambient temperature range	5...+35 °C
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Lifespan

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

Additional product data

Mounting type	Suspended/Surface
Mounting location	Ceiling / Wall
Low flicker	Yes
Type of Battery	LiFePO4

Capabilities

Dimmable	No
Type of connection	Screwless terminal, 5-Pole

Type of emergency operation test	Automatic
Battery life in emergency operation mode	3 h
Battery charging time	<24 h
Area of emergency application	Anti-panic lighting / Escape route lighting
Type of emergency light operation	Maintained / Non-maintained
Integrated test switch	No
LED module replaceable	Not replaceable

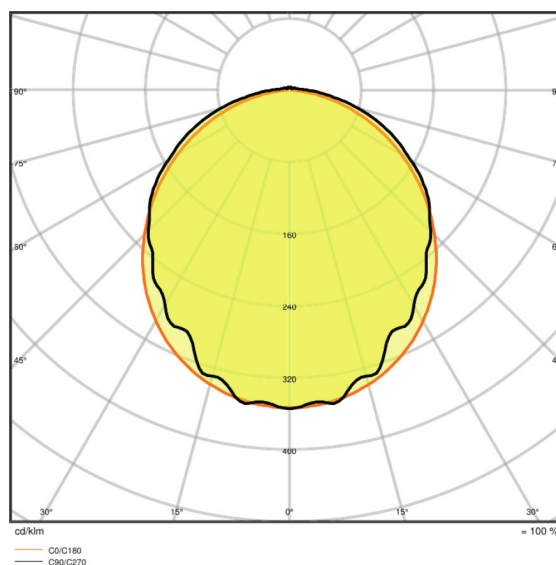
Certificates & standards

Protection class IK (shock resistance)	IK08
Glow Wire Test according to IEC 60695-2-12	850 °C
Photobiological safety group EN62778	RG0
Protection class	I
Type of protection	IP65
Luminaire with limited surface temperature, class "D"	Yes
Standards	CE/CB/EAC/RoHS

Logistical data

Temperature range at storage	5...+35 °C
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Light Distribution



LDC typ cone

LDC typ polar

EQUIPMENT / ACCESSORIES

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

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075541566	Folding carton box 1	1512 mm x 87 mm x 74 mm	2135.00 g	9.73 dm ³
4058075541573	Shipping carton box 6	1532 mm x 191 mm x 245 mm	14041.00 g	71.69 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.

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.