

PRODUCT DATASHEET

LDPFM DP 600 16W 840 S G4

LED PERFORMANCE DAMPPROOF G4 | Damp-proof luminaires, classic shape with high frequency sensor



PERFOR-
MANCE
CLASS

Areas of application

- Industrial and storage facilities
- Car parks and underpasses
- Garages
- Workshops, assembly lines
- Warehouses
- Humid and dirty application areas

Product benefits

- UV-stabilized polycarbonate opal diffuser ensures uniform light distribution and long-lasting durability
- Polycarbonate body and diffuser offers IK08 impact protection
- Sleek and lightweight slim body design, compact but powerful
- Long 50,000 hours lifetime reduces maintenance costs
- Sensor design with more energy saving

Product features

- Available in 7 wattages and lumen packages
- Available in 3 length options, ensuring direct replacement of traditional 2-4-5 feet fluorescent dampproof fixtures
- Input voltage: 220...240 V
- Operating frequency: 50/60 Hz
- High system lumen efficacy: up to 150 lm/W
- Color rendering index R_a : > 80
- High frequency sensor for daylight and motion detection
- Anti-corrosion stainless steel clips
- Type of protection: IP66
- Impact resistance: IK08
- Class I Luminaires
- CB, EMC, RED, RoHS certified

TECHNICAL DATA

Electrical data

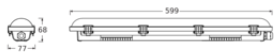
Nominal wattage	16.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	75.000 mA
Inrush current	6.5 A
Max. number of luminaires per miniature circuit breaker B16	16
Max. number of luminaires per miniature circuit breaker C10	13
Max. number of luminaires per miniature circuit breaker C16	21
Power factor λ	0.90
Total harmonic distortion	$\leq 15 \%$
Protection class	I
Surge capability (L/N-Ground)	2 kV
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	2400 lm
Luminous efficacy	150 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	< 5 sdcn
Flickering metric (Pst LM)	≤ 1
Stroboscope effect metric (SVM)	≤ 0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °

Dimensions & Weight

Length	599.00 mm
Width	77.00 mm
Height	68.00 mm
Product weight	730.00 g



LDPFM DP S 600

Materials & Colors

Product color	Gray
Housing color	Gray
Body material	Plastic
Cover material	Polycarbonate (PC)
Light emitting surface material	Polycarbonate (PC)
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20...+50 °C
Temperature range at storage	-20...+80 °C
Type of connection	Terminal, 5-pin
Type of protection	IP66
Protection class IK (shock resistance)	IK08
Dimmable	No
Mounting type	Surface/Suspended
Application environment	Indoor
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	50000 h ¹⁾
Number of switching cycles	25000

¹⁾ t[h]: L70 / B50 @ 25 °C (Ta)

Control gear

Output current	110 mA
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Sensor


Type of sensor	Motion / Light
Sensor detection angle	< 140 °


Sensor controlled switching time	30 s...60 s
Detection range of motion sensor	0.5...5 m
Detection threshold of daylight sensor	25 lx

Certificates & Standards

Replaceable light source (EPREL)	Not replaceable
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DOWNLOAD DATA

Documents and certificates	Document name
 User instruction / safety instructions	LDPFM DP S

Photometric and lighting design files	Document name
 IES file (IES)	LDPFM DP 600 16W 840 S G4

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854360251	Folding box 1	72 mm x 82 mm x 605 mm	748.00 g	3.57 dm ³
4099854360268	Shipping box 10	621 mm x 181 mm x 395 mm	7978.00 g	44.40 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.

DISCLAIMER

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