

# PRODUCT DATASHEET LDPFM DP 600 8W 840 S G4

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



#### 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	8.00 W
Nominal voltage	220240 V
Mains frequency	5060 Hz
Nominal current	39.000 mA
Inrush current	6 A
Max. number of luminaires per miniature circuit breaker B16	17
Max. number of luminaires per miniature circuit breaker C10	14
Max. number of luminaires per miniature circuit breaker C16	23
Power factor $\lambda$	0.90
Total harmonic distortion	≤ 15 %
Protection class	I
Surge capability (L/N-Ground)	2 kV
Operating mode	Integrated LED driver

#### Photometrical data

Luminous flux	1200 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 sdcm
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 <sup>1)</sup>
Number of switching cycles	25000

<sup>1)</sup> t[h]: L70 / B50 @ 25 °C (Ta)

# Control gear

Output current 55 mA
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#### Sensor

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

Sensor controlled switching time	30 s60 s
Detection range of motion sensor	0.55 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	
PDF	User instruction / safety instructions	LDPFM DP S	
	Photometric and lighting design files	Document name	
	IES file (IES)	LDPFM DP 600 8W 840 S G4	

#### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854360190	Folding box 1	72 mm x 82 mm x 605 mm	748.00 g	3.57 dm <sup>3</sup>
4099854360206	Shipping box 10	621 mm x 181 mm x 395 mm	7978.00 g	44.40 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.

# **DISCLAIMER**

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