PRODUCT DATASHEET
LDPFM DP 600 8W 830 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

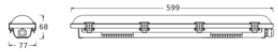
Nominal wattage	8.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	39.000 mA
Inrush current	6 A
Max. number of luminaires per miniature circuit breaker B16	17
Max. number of luminaires per miniature circuit breaker C10	14
Max. number of luminaires per miniature circuit breaker C16	23
Power factor λ	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	1120 lm
Luminous efficacy	140 lm/W
Color temperature	3000 K
Light color (designation)	Warm 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

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	55 mA

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

Additional product data

BEG eligible	No

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User Instruction / Safety Instructions	LDPFM DP S

	Photometric and lighting design files	Document name
IES	IES file (IES)	LDPFM DP 600 8W 830 S G4

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854360176	Folding box 1	72 mm x 82 mm x 605 mm	748.00 g	3.57 dm^3
4099854360183	Shipping box 10	621 mm x 181 mm x 395 mm	7983.00 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.