

# PRODUCT DATASHEET

## LED PFM DP 1600 50 W 6500 K GEN2

LED PERFORMANCE DAMP PROOF | LED damp-proof luminaires with high output



### Areas of application

- Workshops, assembly lines
- Extensive route lighting in workshops, factories, warehouses
- Train stations
- Sports facilities, covered and open car parks
- Difficult application conditions with humidity or dust
- Supermarkets

### Product benefits

- Efficient LED version
- UV-stable prismatic diffuser made of polycarbonate
- Prismatic diffuser for even light distribution and high efficiency
- Five clips on each side ensure IP65 rating throughout the luminaire lifetime
- Low maintenance costs thanks to long lifetime
- Stainless steel clips

### Product features

- 3 different lengths available
- Available with color temperature: 4,000 K, 6,500 K
- Replacement for traditional T8 luminaires
- High luminous efficacy: up to 120 lm/W
- Color rendering index  $R_a$ : > 80
- Impact resistance: IK08
- Power factor: > 0.95



- Lifetime up to 30,000 h
- CCC marked, CB test certificate

TECHNICAL DATA

Electrical data

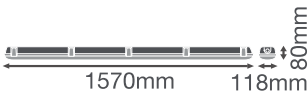
Nominal wattage	50.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	229.000 mA
Power factor $\lambda$	> 0.95
Total harmonic distortion	< 25 %
Protection class	II

Photometrical data

Luminous flux	6000 lm
Luminous efficacy	120 lm/W
Color temperature	6500 K
Light color (designation)	Daylight
Color rendering index Ra	$\geq 80$
Standard deviation of color matching	$\leq 5$ sdc <sub>m</sub>
Beam angle	120 °

Dimensions & Weight

Length	1570.00 mm
Width	118.00 mm
Height	80.00 mm
Product weight	2230.00 g



Dampproof Pro Gen2 50W

Materials & Colors

Product color	Gray
Housing color	Gray
Body material	Plastic

Cover material	Polycarbonate (PC)
Mercury content	0.0 mg

### Application & Mounting

Ambient temperature range	-20...+40 °C
Temperature range at storage	-40...+70 °C
Type of connection	Terminal
Type of protection	IP65
Protection class IK (shock resistance)	IK08
Dimmable	No
Mounting location	All surfaces
Replaceable light source	No

### Lifespan


Lifespan L70/B50 at 25 °C	30000 h <sup>1)</sup>
Number of switching cycles	50000

<sup>1)</sup> t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

### Certificates & Standards

Replaceable light source (EPREL)	Not replaceable
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### DOWNLOAD DATA

Photometric and lighting design files		Document name
	IES file (IES)	Dampproof Pro Gen2 50W/6500K

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075262171	Folding box 1	112 mm x 75 mm x 100 mm	2308.00 g	0.84 dm <sup>3</sup>
4058075262188	Shipping box 10	1,600 mm x 415 mm x 275 mm	25472.00 g	182.60 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.