PRODUCT DATASHEET
FL PFM 50 W 3000 K SYM 100 BK

FLOODLIGHT 50 W | Versatile floodlight with 50 W power consumption

AREAS OF APPLICATION

- Replacement for floodlights with halogen lamps
- Outdoor use (IP65)
- Public areas
- Building facades
- Construction areas
- Gardens, balconies and other outdoor areas

PRODUCT BENEFITS

- Bright, robust and durable
- Safe and very uniform illumination, due to frosted and tempered glass diffuser
- No upper light output ratio (ULOR 0%) when mounted at 0° tilt
- Energy savings of up to 90 % compared to halogen lamp floodlights
- 5 years guarantee

PRODUCT FEATURES

- Reflector-based, symmetric light distribution with 100° x 100° beam angle
- Integrated wide voltage driver, suitable for 100 - 277 V_{AC}
- Surge protection: up to 4 kV (L/N-PE), 2 kV (L-N)
- Mounting bracket with 30° angle and wide rotation area
- Breather membrane to optimize air exchange, without compromising IP protection
- Pre-installed, flexible 1 m cable (H05RN-F), wrapped 3 x 1.0 mm^2 single wires

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TECHNICAL DATA

Electrical data

Nominal wattage	50.00 W
Operating mode	Integrated LED driver
Nominal voltage	100...277 V
Power factor λ	> 0.90
Mains frequency	50/60 Hz
Max. no. of lum. on circuit break. B16 A	38
Max. no. of lum. on circuit break. C10 A	28
Max. no. of lum. on circuit break. C16 A	44
Inrush current	9.9 A
Nominal current	0.236 A
Total harmonic distortion	< 20 %
Inrush current time T_{h50}	51 µs

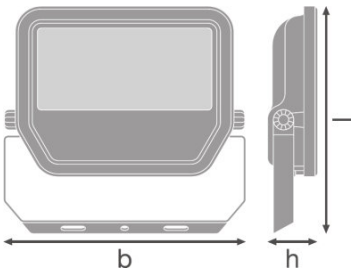
Photometrical data

Color temperature	3000 K
Luminous flux	5500 lm
Luminous efficacy	110 lm/W
Standard deviation of color matching	≤5 sdcm
Light color (designation)	Warm White
Color rendering index Ra	≥80

Light technical data

Beam angle	100 ° x 100 °

Dimensions & weight



Length	206.0 mm
Width	218.0 mm

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Height	46.0 mm
Product weight	1000.00 g
Cable length	1000 mm

Colors & materials

Body material	Aluminum
Product color	Black
Housing color	Black

Temperatures & operating conditions

Ambient temperature range	-30…+50 °C

Lifespan

Number of switching cycles	100000
Lifespan L70/B50 at 25 °C	70000 h
Lifespan L80/B10 at 25 °C	55000 h
Lifespan L90/B10 at 25 °C	35000 h

Additional product data

Mounting type	Surface
Product remark	Available from July 2020

Capabilities

Adjustable	Yes
Dimmable	No
Type of connection	Cable, 3-pole
LED module replaceable	Not replaceable

Certificates & standards

Protection class IK (shock resistance)	IK07
Glow Wire Test according to IEC 60695-2-12	650 °C
Photobiological safety group EN62778	RG 1
Photobio. safety group acc. to EN62471	RG 1
Protection class	I
Type of protection	IP65
Luminaire with limited surface temperature, class "D“	No
Standards	CE/CB/ENEC/EAC/RoHS

Logistical data

Temperature range at storage	-40…+70 °C

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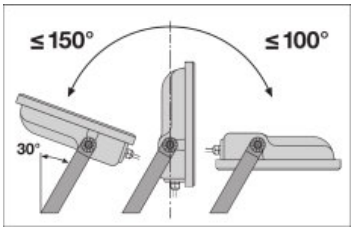
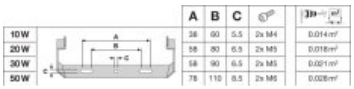
LOGISTICAL DATA

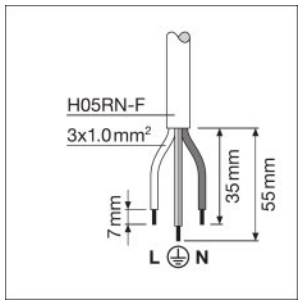
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075421226	Folding carton box 1	224 mm x 67 mm x 181 mm	1107.00 g	2.72 dm³
4058075421233	Shipping carton box 8	462 mm x 284 mm x 207 mm	9480.00 g	27.16 dm³

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.

ADDITIONAL CATALOG INFORMATION







REFERENCES / LINKS

For Guarantee see

- www.ledvance.com/guarantee

DISCLAIMER

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