PRODUCT DATASHEET
FL PFM 80 W 4000 K SYM 100 BK

FLOODLIGHT 80 W | Versatile floodlight with 80 W power consumption



AREAS OF APPLICATION

- Replacement for floodlights with halogen lamps
- Outdoor use (IP65)
- Industry
- Public areas
- Construction areas
- Building facades

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 6 kV (L/N-PE), 4 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	80.00 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	24
Max. no. of lum. on circuit break. C10 A	17
Max. no. of lum. on circuit break. C16 A	28
Inrush current	14.8 A
Total harmonic distortion	< 20 %
Inrush current time T_{h50}	160 µs

Photometrical data

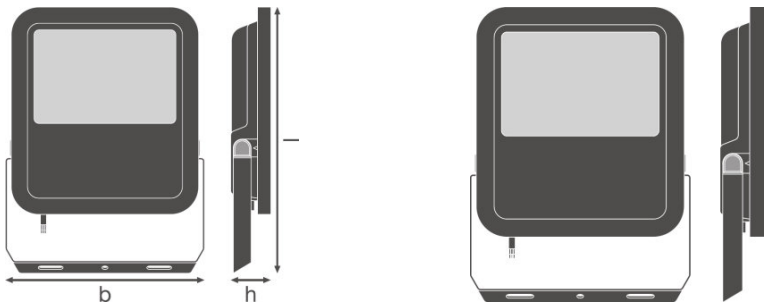
Color temperature	4000 K
Luminous flux	10000 lm
Luminous efficacy	125 lm/W
Standard deviation of color matching	≤5 sdcm
Light color (designation)	Cool White
Color rendering index Ra	≥80

Light technical data

Beam angle	100 ° x 100 ° [1)]

[1)] ZMP_110132

Dimensions & weight



Length	335.0 mm
Width	250.0 mm

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Height	55.0 mm
Product weight	2800.00 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 September 2020

Capabilities

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

Certificates & standards

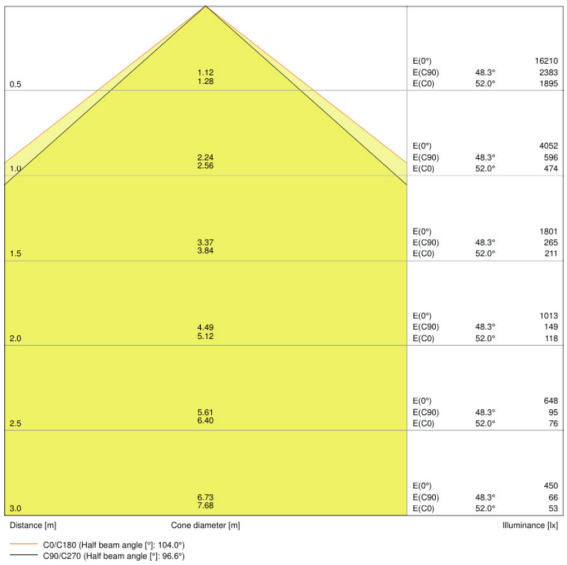
Protection class IK (shock resistance)	IK08
Glow Wire Test according to IEC 60695-2-12	650 °C
Photobiological safety group EN62778	RG1
Photobio. safety group acc. to EN62471	RG1
Protection class	I
Type of protection	IP65
Luminaire with limited surface temperature, class "D“	No
Standards	CE/CB/ENEC/EAC/RoHS

Logistical data

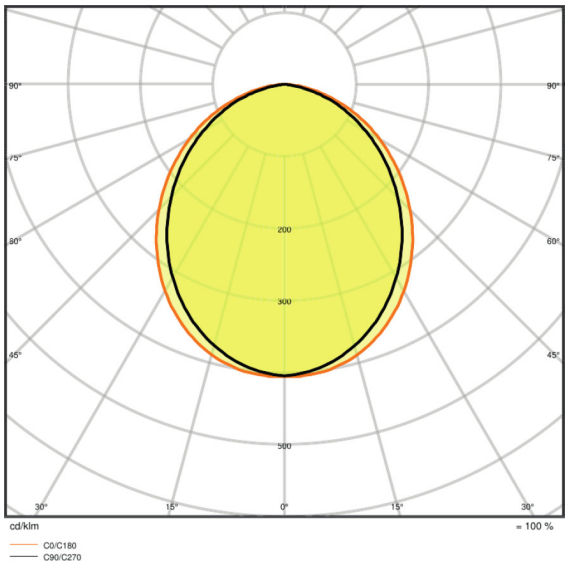
Temperature range at storage	-40…+70 °C

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Light Distribution



LDC typ cone



LDC typ polar

SAFETY ADVICE

— Max. wind load surface 0.061 m²

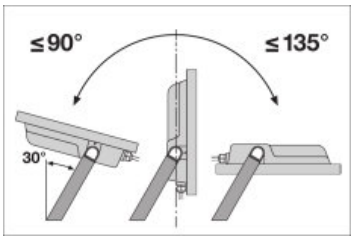
LOGISTICAL DATA

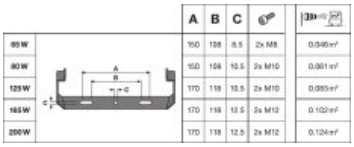
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075422520	Folding carton box 1	62 mm x 257 mm x 352 mm	2957.00 g	5.61 dm³
4058075422537	Shipping carton box 2	302 mm x 170 mm x 414 mm	6326.00 g	21.25 dm³

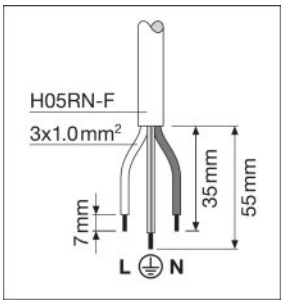
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION

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REFERENCES / LINKS

For Guarantee see

- www.ledvance.com/guarantee

DISCLAIMER

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