

# PRODUCT DATASHEET

## FL PFM 80 W 6500 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<sub>AC</sub>
- 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<sup>2</sup> single wires



## TECHNICAL DATA

### Electrical data

Nominal wattage	80.00 W
Operating mode	Integrated LED driver
Nominal voltage	100...277 V
Power factor $\lambda$	> 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 $\mu$ s

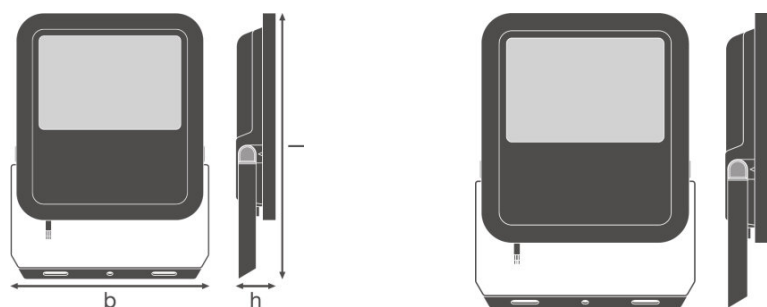
### Photometrical data

Color temperature	6500 K
Luminous flux	10000 lm
Luminous efficacy	125 lm/W
Standard deviation of color matching	$\leq 5$ sdcn
Light color (designation)	Cool Daylight
Color rendering index Ra	$\geq 80$

### Light technical data

Beam angle	100 ° x 100 °
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### Dimensions & weight



Length	335.0 mm
Width	250.0 mm
Height	55.0 mm

<b>Product weight</b>	2800.00 g
<b>Cable length</b>	1000 mm

## Colors &amp; materials

<b>Body material</b>	Aluminum
<b>Product color</b>	Black
<b>Housing color</b>	Black

## Temperatures &amp; operating conditions

<b>Ambient temperature range</b>	-30...+50 °C
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## Lifespan

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

## Additional product data

<b>Mounting type</b>	Surface
<b>Mounting location</b>	Wall / Pole / Floor / Ceiling
<b>Product remark</b>	Available from September 2020

## Capabilities

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

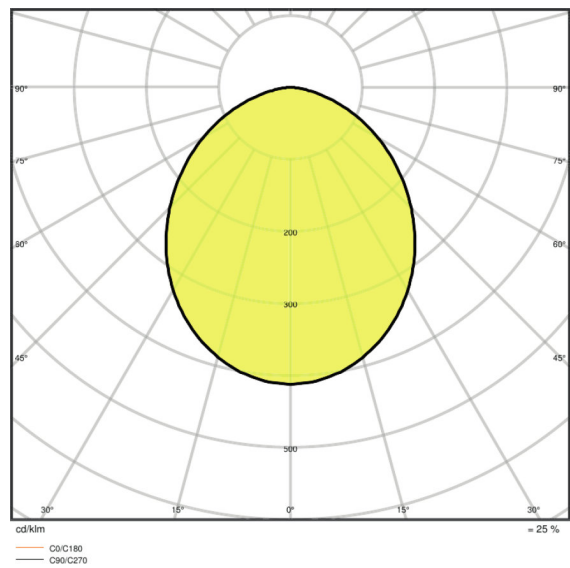
## Certificates &amp; standards

<b>Protection class IK (shock resistance)</b>	IK08
<b>Glow Wire Test according to IEC 60695-2-12</b>	650 °C
<b>Photobiological safety group EN62778</b>	RG 1
<b>Photobio. safety group acc. to EN62471</b>	RG 1
<b>Protection class</b>	I
<b>Type of protection</b>	IP65
<b>Luminaire with limited surface temperature, class "D"</b>	No
<b>Standards</b>	CE/CB/ENEC/EAC/RoHS

## Logistical data

<b>Temperature range at storage</b>	-40...+70 °C
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Light Distribution



LDC typ polar

SAFETY ADVICE

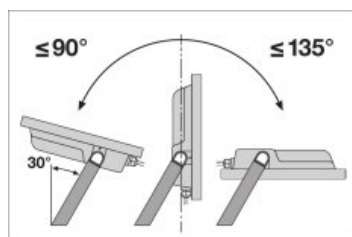
— Max. wind load surface 0.061 m²

LOGISTICAL DATA

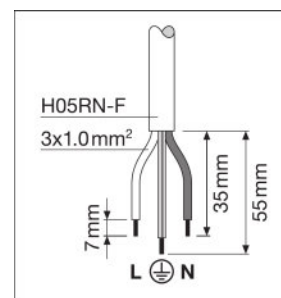
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075422544	Folding carton box 1	62 mm x 257 mm x 352 mm	2957.00 g	5.61 dm³
4058075422551	Shipping carton box 2	302 mm x 170 mm x 414 mm	6326.00 g	21.25 dm³

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



	A	B	C	LED	Power
80 W	150	158	8.5	2x M8	0.046 m²
120 W	150	158	10.5	2x M10	0.061 m²
160 W	170	178	10.5	2x M10	0.083 m²
200 W	170	178	12.5	2x M12	0.102 m²
200 W	170	178	12.5	2x M12	0.124 m²



## REFERENCES / LINKS

For Guarantee see

► [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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