

# PRODUCT DATASHEET

## FL PFM 20 W 4000 K SYM 100 BK

FLOODLIGHT 20 W | Versatile floodlight with 20 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<sub>AC</sub>
- Surge protection: up to 4 kV (L/N-PE), 2 kV (L-N)
- Mounting bracket with 30° angle and wide rotation area
- 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	20.00 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	93
Max. no. of lum. on circuit break. C10 A	67
Max. no. of lum. on circuit break. C16 A	108
Inrush current	5.68 A
Nominal current	0.098 A
Total harmonic distortion	< 20 %
Inrush current time $T_{h50}$	35 $\mu$ s

Photometrical data

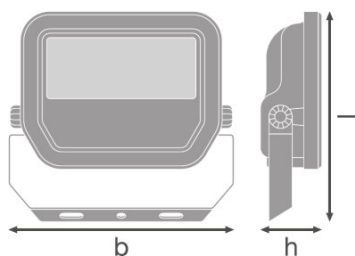
Color temperature	4000 K
Luminous flux	2400 lm
Luminous efficacy	120 lm/W
Standard deviation of color matching	$\leq 5$ sdcn
Light color (designation)	Cool White
Color rendering index Ra	$\geq 80$

Light technical data

Beam angle	100 ° x 100 ° <sup>1)</sup>
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<sup>1)</sup> ZMP\_110132

Dimensions & weight



Length	144.0 mm
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<b>Width</b>	156.0 mm
<b>Height</b>	42.0 mm
<b>Product weight</b>	520.00 g
<b>Cable length</b>	1000 mm

### Colors & materials

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

### Temperatures & 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>Product remark</b>	Available from July 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

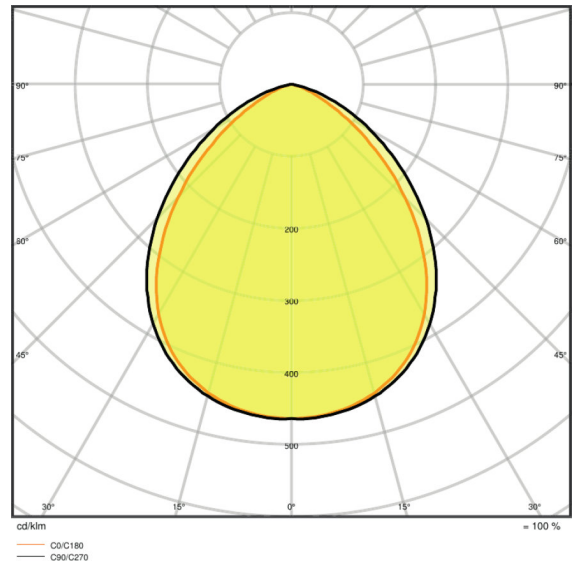
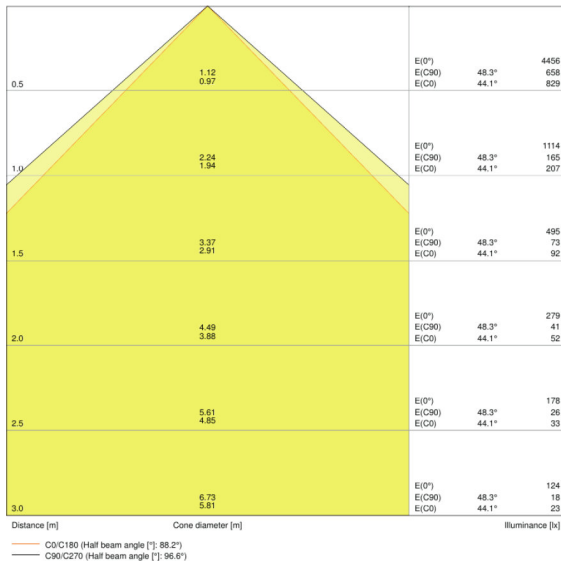
### Certificates & standards

<b>Protection class IK (shock resistance)</b>	IK07
<b>Glow Wire Test according to IEC 60695-2-12</b>	650 °C
<b>Photobiological safety group EN62778</b>	RG1
<b>Photobio. safety group acc. to EN62471</b>	RG1
<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 cone

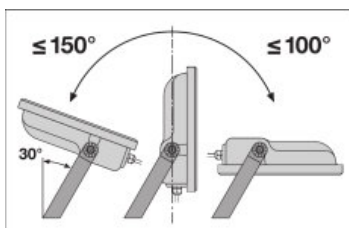
LDC typ polar

LOGISTICAL DATA

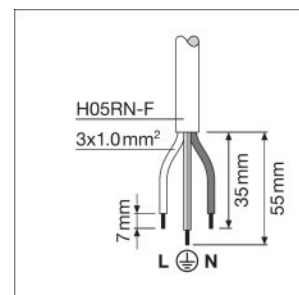
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075421011	Folding carton box 1	161 mm x 62 mm x 135 mm	572.00 g	1.35 dm <sup>3</sup>
4058075421028	Shipping carton box 12	396 mm x 336 mm x 161 mm	7510.00 g	21.42 dm <sup>3</sup>

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.

ADDITIONAL CATALOG INFORMATION



	A	B	C	Ø	IP
10W	26	60	5.5	2x M4	0.014+IP
20W	28	80	6.5	2x M5	0.018+IP
30W	28	90	6.5	2x M5	0.021+IP
50W	28	110	6.5	2x M5	0.028+IP



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## REFERENCES / LINKS

For Guarantee see

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

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