

# PRODUCT DATASHEET

## FL PFM 200 W 4000 K SYM 100 SL BK

**FLOODLIGHT PHOTOCELL 200 W | Floodlight with daylight sensor, 200 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
- Automatically switches on and off according to the amount of available daylight
- Always-on override, activated via special mains switching pattern
- 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

- Daylight sensor, integrated in glass cover
- Switch on below 35 lux, switch off above 95 lux illuminance
- 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<sup>2</sup> single wires

## TECHNICAL DATA

### Electrical data

Nominal wattage	200.00 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	3
Max. no. of lum. on circuit break. C10 A	5
Max. no. of lum. on circuit break. C16 A	8
Inrush current	80.0 A
Total harmonic distortion	< 20 %
Inrush current time $T_{h50}$	1000 $\mu$ s

### Luminaire control gear data

Low flicker	Yes
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### Photometrical data

Color temperature	4000 K
Luminous flux	25000 lm
Luminous efficacy	125 lm/W
Standard deviation of color matching	$\leq 5$ sdc <sub>m</sub>
Light color (designation)	Cool White
Color rendering index Ra	$\geq 80$

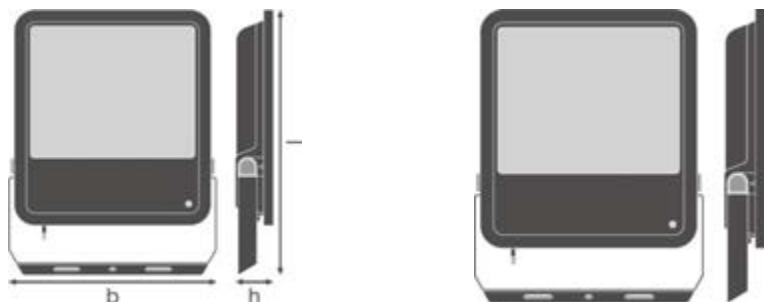
### Light technical data

Beam angle	100 ° x 100 °
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### Luminaire sensor data

Type of sensor	Light
Sensor technology	Photocell
Detection threshold of daylight sensor	35...95 lx
Sensor IP rating	IP65

Dimensions & weight



<b>Length</b>	454.0 mm
<b>Width</b>	354.0 mm
<b>Height</b>	62.0 mm
<b>Product weight</b>	6000.00 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>Mounting location</b>	Wall / Pole / Floor
<b>Low flicker</b>	Yes
<b>Product remark</b>	Available from September 2020

Capabilities

<b>Adjustable</b>	Yes
<b>Dimmable</b>	No

Type of connection	Cable, 3-pole
LED module replaceable	Not replaceable

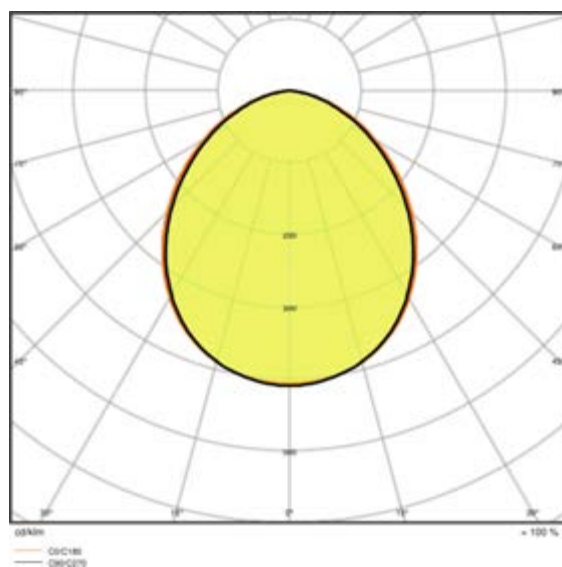
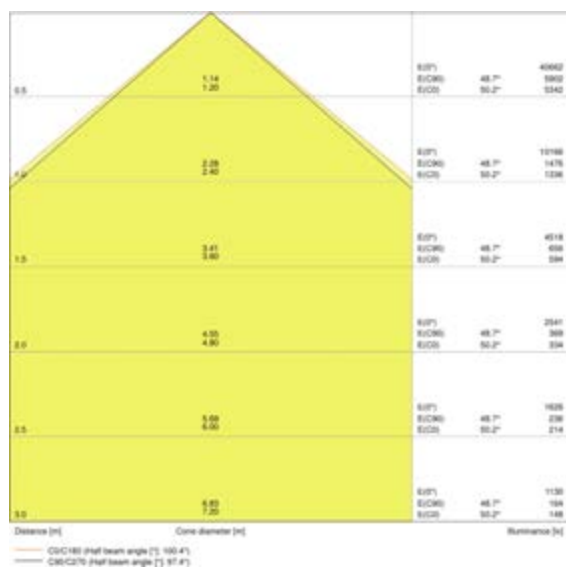
Certificates & standards

Protection class IK (shock resistance)	IK08
Glow Wire Test according to IEC 60695-2-12	650 °C
Photobiological safety group EN62778	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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Light Distribution



LDC typ cone

LDC typ polar

SAFETY ADVICE

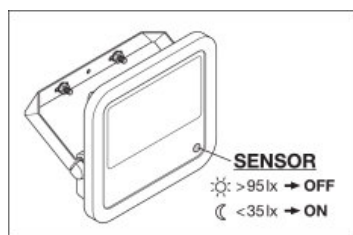
Max. wind load surface 0.124 m<sup>2</sup>

LOGISTICAL DATA

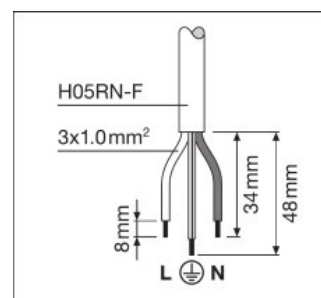
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075461208	Shipping carton box 1	407 mm x 95 mm x 516 mm	6665.00 g	19.95 dm <sup>3</sup>

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	Light	IP
95 W	150	128	8.5	2x M8	0.0454F
80 W	150	158	13.5	2x M10	0.0614F
120 W	170	138	10.5	2x M10	0.0854F
165 W	170	168	13.5	2x M12	0.1024F
200 W	170	138	12.5	2x M12	0.1244F



**REFERENCES / LINKS**

For Guarantee see  
 — [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

**DISCLAIMER**

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.