

# PRODUCT DATASHEET

## FL PFM 20 W 3000 K SYM 100 S BK

FLOODLIGHT SENSOR 20 W | Floodlight with flexible motion and daylight sensor, up to 2400 lm light output



### 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
- Demand optimized illumination due to flexible and programmable sensor
- Easy adjustment of sensor range, daylight detection and hold time
- Always-on override, activated via special mains switching pattern
- Safe and very uniform illumination, due to frosted and tempered glass diffuser
- Energy savings of up to 90 % compared to halogen lamp floodlights
- 5 years guarantee

### Product features

- Flexible motion and daylight sensor
- Sensor with 350° pan and 180° tilt
- 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



- Pre-installed, flexible 1 m cable (H05RN-F), wrapped 3 x 1.0 mm<sup>2</sup> single wires

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## TECHNICAL DATA

### Electrical data

Nominal wattage	20.00 W
Operating mode	Integrated LED driver
Nominal voltage	100...277 V
Nominal current	102 mA
Inrush current	7.34 A
Inrush current time $T_{h50}$	35.5 $\mu$ s
Power factor $\lambda$	> 0,90
Max. no. of lum. on circuit break. B16 A	85
Max. no. of lum. on circuit break. C10 A	62
Max. no. of lum. on circuit break. C16 A	99
Total harmonic distortion	< 20 %

### Luminaire sensor data

Type of sensor	Motion / Light
Sensor technology	Passive infrared/Photocell
Sensor detection angle	40 °...160 °
Sensor controlled switching time	10 s...12 min
Detection range of motion sensor	2...12 m
Detection threshold of daylight sensor	10...2000 lx

### Luminaire control gear data

ECG - Output ripple current	< 50 %
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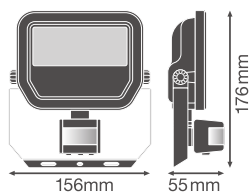
### Photometrical data

Color temperature	3000 K
Luminous flux	2200 lm
Luminous efficacy	110 lm/W
Light color (designation)	Warm White
Standard deviation of color matching	$\leq$ 5 sdc <sub>m</sub>
Color rendering index Ra	$\geq$ 80

### Light technical data

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



Length	176.00 mm
Height	55.00 mm
Width	156.00 mm
Product weight	570.000 g

## Colors & materials

Body material	Aluminum
Product color	Black
Housing color	Black
Light emitting surface material	Glass

## Temperatures & operating conditions

Ambient temperature range	-30...+50 °C
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## 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 location	Wall / Ceiling
Note about the product	Available from September 2020

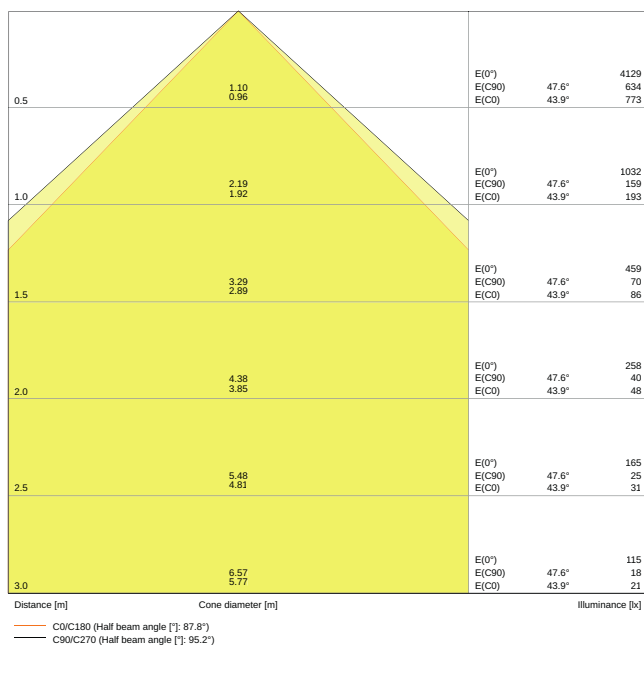
## Capabilities

Adjustable	Yes
Dimmable	No
Type of connection	Cable, 3-pole
ErP LEDmod replaceable	Not replaceable

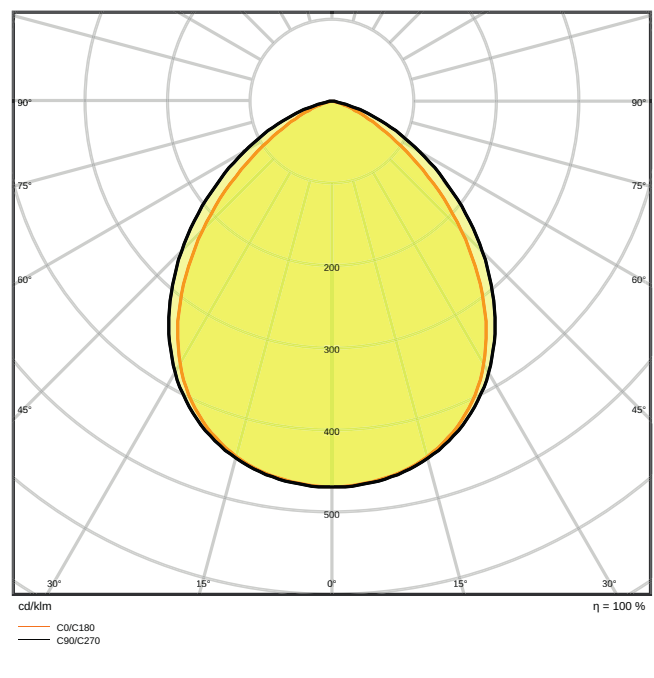
Ball shot safe	No
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Certificates & standards

Protection class IK (shock resistance)	IK07
Glow Wire Test according to IEC 69	650 °C
Photobio. safety group acc. to EN62471	RG1
Protection class	I
Type of protection	IP65
Standards	CE / CB / ENEC / EAC / RoHS
Luminaire with limited surface temperature, class "D"	No



LDC typ cone











LDC typ polar

LOGISTICAL DATA

Temperature range at storage	-40...+70 °C
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DOWNLOAD DATA

**DOWNLOAD DATA**







	User instruction FLOODLIGHT SENSOR
	Tender documents Tender Text 4058075460911
	Certificates EAEC N RU D-RU.MYu62.B.02227 20 15.09.2020-14.09.2025
	Declarations of conformity FL PFM SENSOR
	IES file (IES) FL PFM 20W3000K SYM 100 S BK
	LDT file (Eulumdat) FL PFM 20W3000K SYM 100 S BK
	UGR file (UGR table) FL PFM 20W3000K SYM 100 S BK
	Packaging insert Legal insert

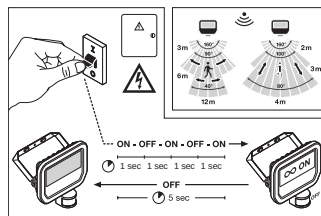
**LOGISTICAL DATA**



Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075460911	Folding box 1	65 mm x 162 mm x 184 mm	652.00 g	1.94 dm <sup>3</sup>
4058075460928	Shipping box 12	414 mm x 349 mm x 222 mm	8518.00 g	32.08 dm <sup>3</sup>

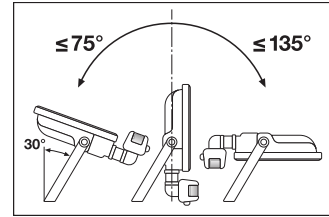
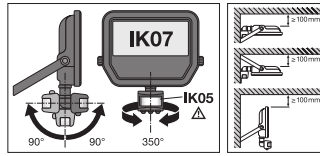
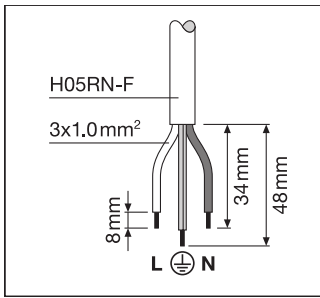
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

**ADDITIONAL CATALOG INFORMATION**

	SENS 	LUX 	TIME 
	~2 m	< 10 lx	~10 sec ± 3 sec
	~6 m	< 100 lx	~5 min ± 2 min
	~12 m	< 2000 lx	~12 min ± 3 min



	A	B	C		
10W	58	38	5.5	2x M5	0.012 m <sup>2</sup>
20W	78	58	8.5	2x M6	0.016 m <sup>2</sup>
50W	108	78	8.5	2x M8	0.022 m <sup>2</sup>



## References / Links

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

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