

# PRODUCT DATASHEET

## FL PFM 10 W 3000 K SYM 100 S BK

**FLOODLIGHT SENSOR 10 W | Floodlight with flexible motion and daylight sensor, 10 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
- 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
- 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

- 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

## TECHNICAL DATA

### Electrical data

Nominal wattage	10.00 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	185
Max. no. of lum. on circuit break. C10 A	135
Max. no. of lum. on circuit break. C16 A	216
Inrush current	7.20 A
Total harmonic distortion	< 20 %
Inrush current time $T_{h50}$	21 $\mu$ s

### Photometrical data

Color temperature	3000 K
Luminous flux	1100 lm
Luminous efficacy	110 lm/W
Standard deviation of color matching	$\leq 5$ sdcn
Light color (designation)	Warm White
Color rendering index Ra	$\geq 80$

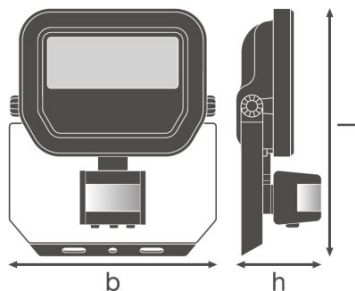
### Light technical data

Beam angle	100 ° x 100 °
------------	---------------

### Luminaire sensor data

Type of sensor	Motion / Light
Sensor technology	Passive infrared/Photocell
Sensor detection angle	40°...160 °
Detection range of motion sensor	2...12 m
Detection threshold of daylight sensor	10...2000 lx
Sensor controlled switching time	10 s...12 min
Sensor IP rating	IP65

Dimensions & weight



<b>Length</b>	159.0 mm
<b>Width</b>	131.0 mm
<b>Height</b>	53.0 mm
<b>Product weight</b>	440.00 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
----------------------------------	--------------

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 / 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
-------------------------------	-----------------

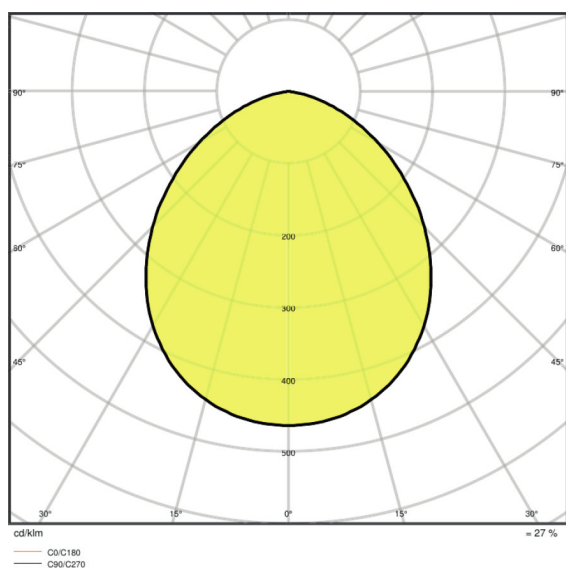
Certificates & standards

<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>	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
-------------------------------------	--------------

Light Distribution



LDC typ polar

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075460836	Folding carton box 1	65 mm x 137 mm x 167 mm	498.00 g	1.49 dm <sup>3</sup>

