

PRODUCT DATASHEET

FL PFM 50 W 4000 K SYM 100 S BK

FLOODLIGHT SENSOR 50 W | Floodlight with flexible motion and daylight sensor, up to 6000 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
- 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
- Breather membrane to optimize air exchange, without compromising IP protection
- Pre-installed, flexible 1 m cable (H05RN-F), wrapped 3 x 1.0 mm² single wires

TECHNICAL DATA

Electrical data

Nominal wattage	50.00 W
Operating mode	Integrated LED driver
Nominal voltage	100...277 V
Nominal current	248 mA
Inrush current	9.6 A
Inrush current time T_{h50}	46.5 μ s
Power factor λ	> 0,90
Max. no. of lum. on circuit break. B16 A	35
Max. no. of lum. on circuit break. C10 A	25
Max. no. of lum. on circuit break. C16 A	41
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
Sensor IP rating	IP65

Luminaire control gear data

Output current	460 mA
ECG - Output ripple current	< 50 %

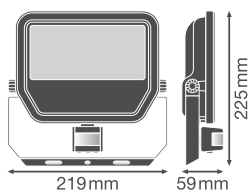
Photometrical data

Color temperature	4000 K
Luminous flux	6000 lm
Luminous efficacy	120 lm/W
Light color (designation)	Cool White
Standard deviation of color matching	\leq 5 sdc _m
Color rendering index Ra	\geq 80

Light technical data

Beam angle	100 ° x 100 °
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Dimensions & weight



Length	225.00 mm
Height	59.00 mm
Width	219.00 mm
Cable length	1000 mm
Product weight	1060.00 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

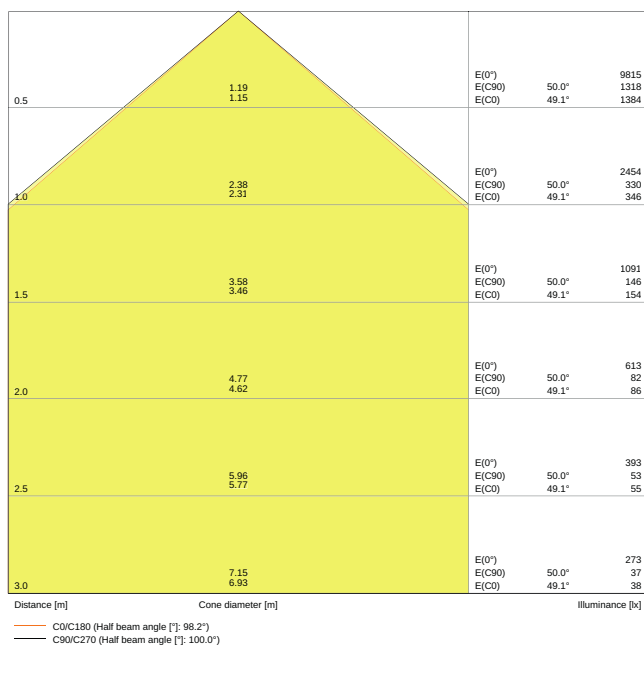
Mounting type	Surface
Mounting location	Wall / Ceiling
Product remark	Available from September 2020

Capabilities

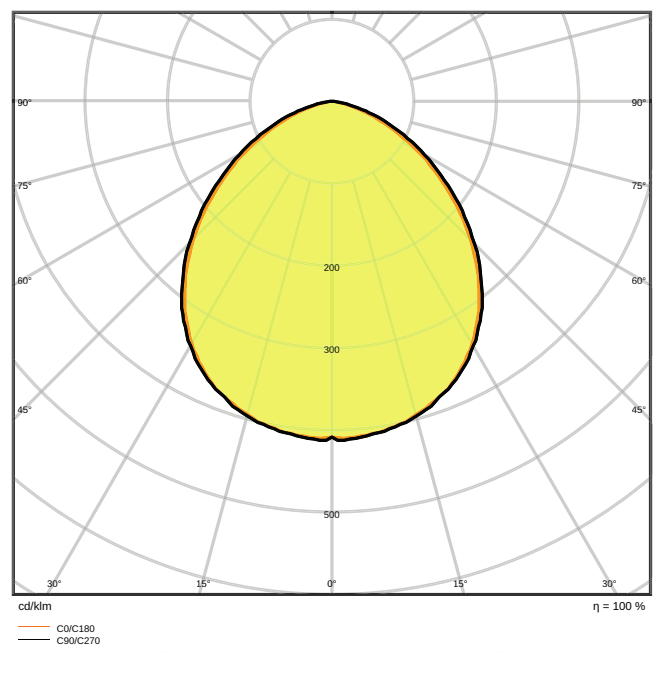
Adjustable	Yes
Dimmable	No
Type of connection	Cable, 3-pole
LED module replaceable	Not replaceable

Certificates & standards

Protection class IK (shock resistance)	IK07
Glow Wire Test according to IEC 60695-2-12	650 °C
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Protection class	I
Type of protection	IP65
Ball shot safe	No
Standards	CE / CB / ENEC / EAC / RoHS
Luminaire with limited surface temperature, class "D"	No



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LOGISTICAL DATA

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


DOWNLOAD DATA	
	User instruction FLOODLIGHT SENSOR
	Tender documents Tender Text 4058075461031
	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 50W4000K SYM 100 S BK
	LDT file (Eulumdat) FL PFM 50W4000K SYM 100 S BK
	UGR file (UGR table) FL PFM 50W4000K SYM 100 S BK
	Packaging insert Legal insert

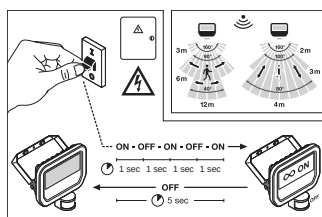
LOGISTICAL DATA



Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075461031	Folding box 1	65 mm x 225 mm x 233 mm	1181.00 g	3.41 dm ³
4058075461048	Shipping box 8	459 mm x 271 mm x 249 mm	10142.00 g	30.97 dm ³

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.

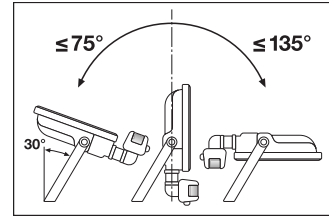
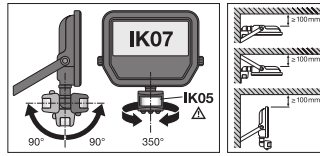
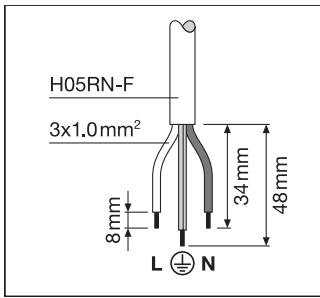
ADDITIONAL CATALOG INFORMATION

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



	A	B	C		
10W	58	38	5,5	2x MS	0,012m ²
20W	78	58	6,5	2x MS	0,019m ²
50W	108	78	8,5	2x MS	0,032m ²





References / Links

- For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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