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)



© 2022, LEDVANCE GmbH. All rights reserved.

- 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



© 2022, LEDVANCE GmbH. All rights reserved.

TECHNICAL DATA

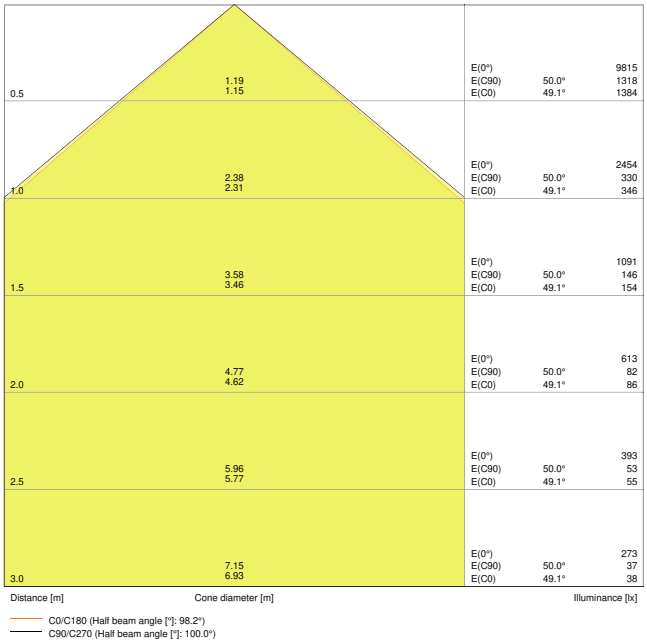
Electrical data

Nominal wattage	50.00 W
Nominal voltage	100…277 V
Mains frequency	50…60 Hz
Nominal current	248 mA
Inrush current	9.6 A
Inrush current time T_{h50}	46.5 µs
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
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

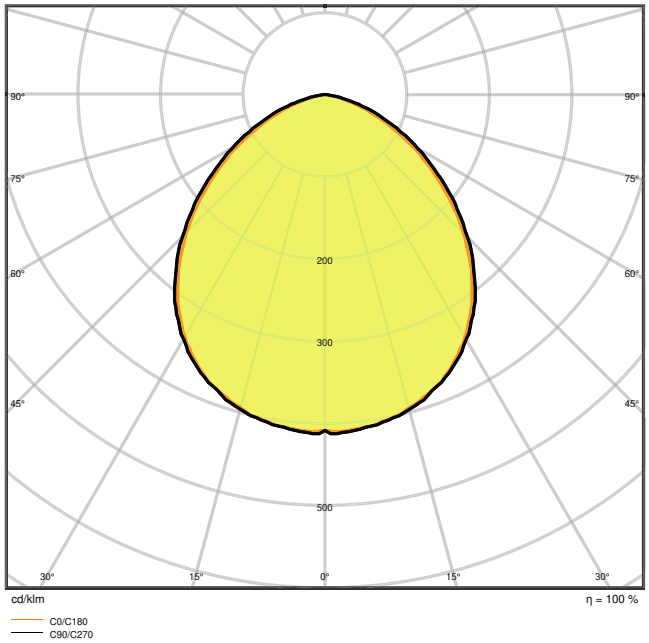
Photometrical data

Luminous flux	6000 lm
Luminous efficacy	120 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥80
Standard deviation of color matching	≤5 sdcm
Luminous intensity	-
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	100 ° x 100 °

© 2022, LEDVANCE GmbH. All rights reserved.



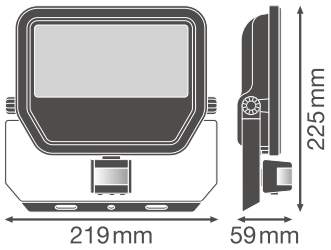
LDC typ cone



LDC typ polar

Dimensions & Weight

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



Materials & Colors



© 2022, LEDVANCE GmbH. All rights reserved.

Product color	Black
Housing color	Black
Body material	Aluminum
Light emitting surface material	Glass
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-30…+50 °C
Temperature range at storage	-40…+70 °C
Type of connection	Cable, 3-pole
Type of protection	IP65
Protection class IK (shock resistance)	IK07
Dimmable	No
Mounting type	Surface
Mounting location	Wall / Ceiling
Application environment	Outdoor
Adjustable	Yes
LED module replaceable	Not replaceable
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	70000 h
Lifespan L80/B10 at 25 °C	55000 h
Lifespan L90/B10 at 25 °C	35000 h
Number of switching cycles	100000

Control gear

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

Sensor

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



© 2022, LEDVANCE GmbH. All rights reserved.

Detection threshold of daylight sensor	10...2000 lx
Sensor IP rating	IP65

Certificates & Standards

Standards	CE / CB / ENEC / EAC / RoHS
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No

DOWNLOAD DATA

	DOWNLOAD DATA
PDF	User instruction
PDF	Addon Technical Information
	Tender documents
	Tender documents
PDF	Declarations of conformity
	IES file (IES)
	LDT file (Eulumdat)
	R3D file (Relux 3D Model)
	M4D file (3D Model with rotation axis)
	ULD file (DIALux)
	UGR file (UGR table)
PDF	Packaging insert

LOGISTICAL DATA

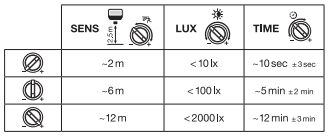


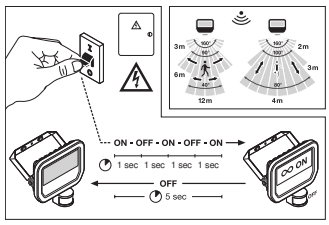
© 2022, LEDVANCE GmbH. All rights reserved.

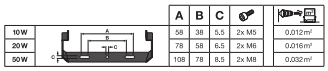
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075461048	Shipping box 8	459 mm x 271 mm x 249 mm	10142.00 g	30.97 dm³

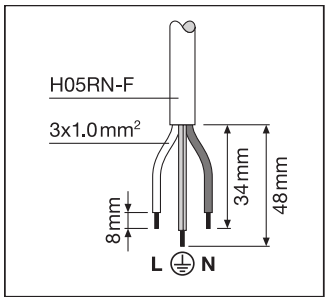
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

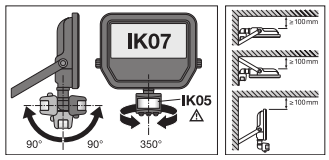
ADDITIONAL CATALOG INFORMATION

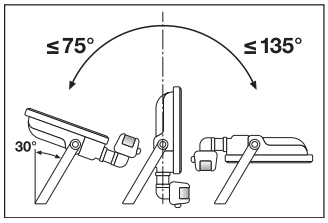












References / Links

- 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.

© 2022, LEDVANCE GmbH. All rights reserved.