PRODUCT DATASHEET
FL PFM 10 W 3000 K SYM 100 S BK

FLOODLIGHT SENSOR 10 W | Floodlight with flexible motion and daylight sensor, up to 1200 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
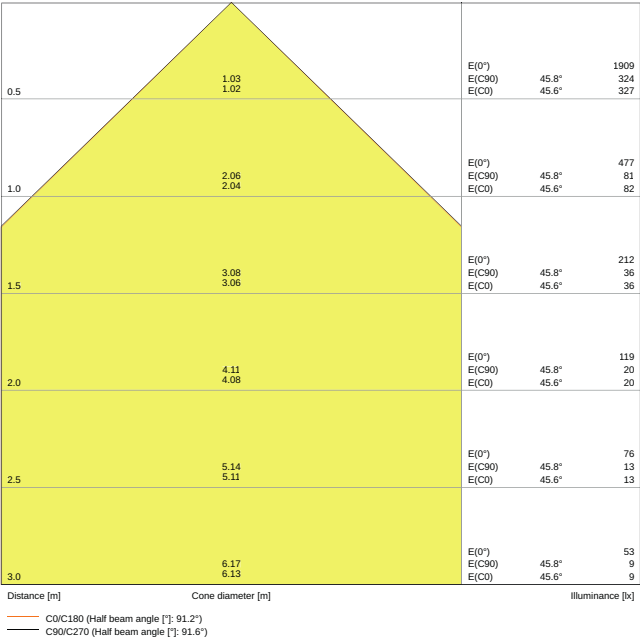– Pre-installed, flexible 1 m cable (H05RN-F), wrapped 3 x 1.0 mm² single wires
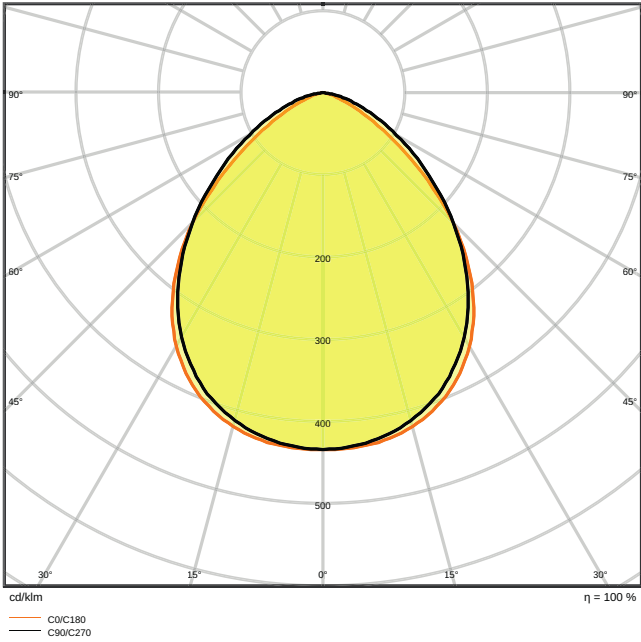
TECHNICAL DATA

Electrical data

Nominal wattage	10.00 W
Nominal voltage	100...277 V
Mains frequency	50...60 Hz
Nominal current	48 mA
Inrush current	7.2 A
Inrush current time T_{h50}	21 µs
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
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

|	
Luminous flux	1100 lm
Luminous efficacy	110 lm/W
Color temperature	3000 K
Light color (designation)	Warm 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 °

Distance [m]	Cone diameter [m]		Illuminance [lx]
0.5	1.03 / 1.02	E(0°) / E(C90) 45.8° / E(C0) 45.6°	1909 / 324 / 327
1.0	2.06 / 2.04	E(0°) / E(C90) 45.8° / E(C0) 45.6°	477 / 81 / 82
1.5	3.08 / 3.06	E(0°) / E(C90) 45.8° / E(C0) 45.6°	212 / 36 / 36
2.0	4.11 / 4.08	E(0°) / E(C90) 45.8° / E(C0) 45.6°	119 / 20 / 20
2.5	5.14 / 5.11	E(0°) / E(C90) 45.8° / E(C0) 45.6°	76 / 13 / 13
3.0	6.17 / 6.13	E(0°) / E(C90) 45.8° / E(C0) 45.6°	53 / 9 / 9

C0/C180 (Half beam angle [°]: 91.2°)
C90/C270 (Half beam angle [°]: 91.6°)

LDC typ cone

cd/klm
C0/C180
C90/C270
η = 100 %

LDC typ polar

Dimensions & Weight

Diameter	- mm
Length	159.00 mm
Width	131.00 mm
Height	53.00 mm
Product weight	440.00 g
Cable length	1000 mm

131 mm   53 mm   159 mm
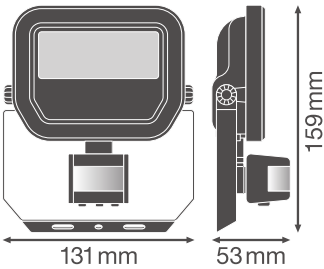
Materials & Colors

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
Mounting length	- mm
Mounting width	- mm
Mounting diameter	- mm
Adjustable	Yes
LED module replaceable	Not replaceable

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

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
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

Additional product data

Product remark	Available from September 2020

DOWNLOAD DATA

|	DOWNLOAD DATA
PDF	User instruction FLOODLIGHT SENSOR
	Tender documents Tender Text 4058075460836
PDF	Declarations of conformity FL PFM SENSOR
	IES file (IES) FL PFM 10W3000K SYM 100 S BK
	LDT file (Eulumdat) FL PFM 10W3000K SYM 100 S BK
	UGR file (UGR table) FL PFM 10W3000K SYM 100 S BK
PDF	Packaging insert Legal insert

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075460836	Folding box 1	65 mm x 137 mm x 167 mm	498.00 g	1.49 dm³
4058075460843	Shipping box 12	403 mm x 283 mm x 184 mm	6509.00 g	20.99 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.
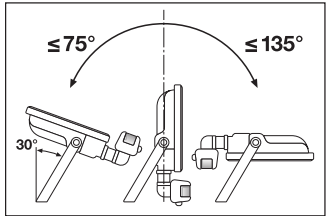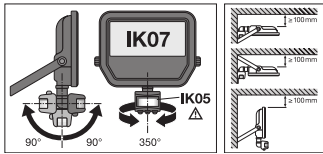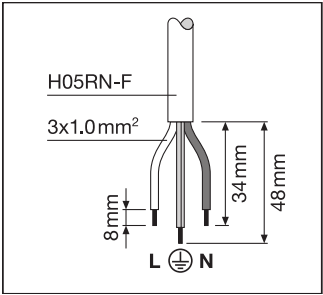
ADDITIONAL CATALOG INFORMATION

	SENS		LUX		TIME	
⊘	~2 m		< 10 lx		~10 sec ±3 sec	
①	~6 m		< 100 lx		~5 min ±2 min	
⊘	~12 m		< 2000 lx		~12 min ±3 min	

3m / 90° / 6m / 40° / 12m

2m / 100° / 3m / 90° / 4m

ON - OFF - ON - OFF - ON →
1 sec 1 sec 1 sec 1 sec
OFF
5 sec
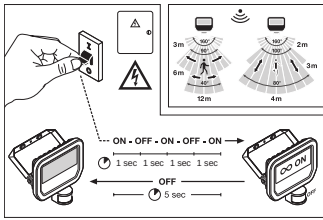
	A	B	C	🔧	
10 W	58	38	5.5	2x M5	0.012 m²
20 W	78	58	6.5	2x M6	0.016 m²
50 W	108	78	8.5	2x M6	0.032 m²

H05RN-F
3x1.0 mm²
34 mm
48 mm
8 mm
L ⏚ N

IK07
IK05 ⚠
90° 90° 350°
≥100 mm
≥100 mm
≥100 mm

≤75° ≤135°
30°

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.