PRODUCT DATASHEET
FLOODLIGHT LED 50 W 4000 K BK SENSOR

LEDVANCE FLOODLIGHT LED SENSOR | LED floodlights

Areas of application

– Replacement for floodlights with halogen lamps
– Car parks and underpasses
– Garages
– Public areas
– Building facades
– Construction areas

Product benefits

– High luminous efficacy
– Energy savings of up to 90 % compared to halogen lamp floodlights
– Optimized weight and size due to compact design
– Very homogenous light
– 3 years guarantee

Product features

– Microprismatic optics
– PIR motion detector and daylight sensor
– Type of protection: IP65
– Impact resistance: IK07
– Black polycarbonate housing, tempered glass cover
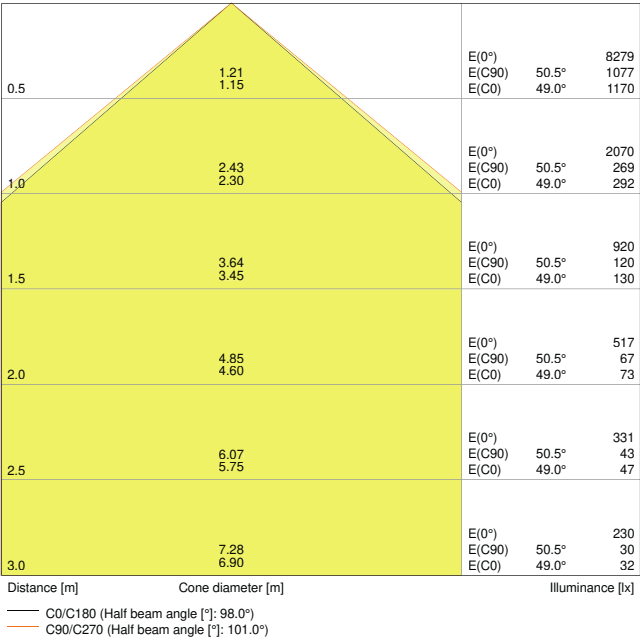
– Ambient temperature in operation: -20…+50 °C
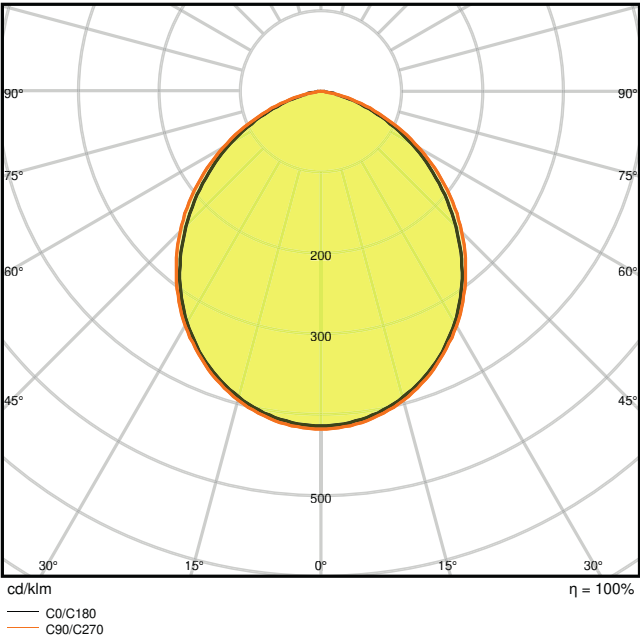
TECHNICAL DATA

Electrical data

Nominal wattage	50.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	630.000 mA
Power factor λ	> 0.95
Protection class	I
Operating mode	Electronic control gear (ECG)

Photometrical data

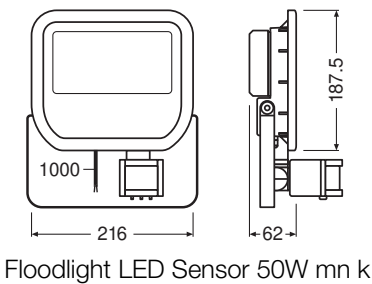|	
Luminous flux	4750 lm
Luminous efficacy	95 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	≤5 sdcm
Photobiological safety group acc. to EN62778	RG0
Beam angle	100 °

Distance [m]	Cone diameter [m]		Illuminance [lx]		
0.5	1.21 / 1.15	E(0°)			8279
		E(C90)	50.5°		1077
		E(C0)	49.0°		1170
1.0	2.43 / 2.30	E(0°)			2070
		E(C90)	50.5°		269
		E(C0)	49.0°		292
1.5	3.64 / 3.45	E(0°)			920
		E(C90)	50.5°		120
		E(C0)	49.0°		130
2.0	4.85 / 4.60	E(0°)			517
		E(C90)	50.5°		67
		E(C0)	49.0°		73
2.5	6.07 / 5.75	E(0°)			331
		E(C90)	50.5°		43
		E(C0)	49.0°		47
3.0	7.28 / 6.90	E(0°)			230
		E(C90)	50.5°		30
		E(C0)	49.0°		32

C0/C180 (Half beam angle [°]: 98.0°)
C90/C270 (Half beam angle [°]: 101.0°)

4058075814738 Floodlight LED 50W 4000K BK S IP65

cd/klm   η = 100%

C0/C180
C90/C270

4058075814738 Floodlight LED 50W 4000K BK S IP65

Dimensions & Weight

Length	216.00 mm
Width	251.00 mm
Height	62.00 mm
Product weight	1360.00 g
Cable length	1000 mm

Floodlight LED Sensor 50W mn k

Materials & Colors

Product color	Black
Housing color	Black
Body material	Polycarbonate (PC)
Cover material	Glass
Light emitting surface material	Glass
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20…+50 °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 / Floor
Application environment	Outdoor
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	50000 h [1]
Lifespan L80/B10 at 25 °C	30000 h [1]
Lifespan L80/B50 at 25 °C	30000 h
Lifespan L90/B10 at 25 °C	15000 h
Number of switching cycles	30000

[1] t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Sensor

Type of sensor	Motion / Light
Sensor technology	Passive infrared (PIR)
Sensor detection angle	110 °
Sensor controlled switching time	5 s…12 min
Detection range of motion sensor	3…12 m
Detection threshold of daylight sensor	4…1000 lx
Sensor IP rating	IP65

Certificates & Standards

Standards	CE / CB / TÜV SÜD / EAC / RoHS
Replaceable light source (EPREL)	Not replaceable

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	User Instruction Floodlight LED Sensor
PDF	On-Pack-Info	Legal Insert Floodlight LED Sensor
PDF	Declarations of conformity	CE Floodlight Sensor

	Photometric and lighting design files	Document name
IES	IES file (IES)	Floodlight LED 50W 4000K S Black IP65
LDT	LDT file (Eulumdat)	Floodlight LED 50W 4000K Black S IP65
	Light distribution curve type cone	4058075814738 Floodlight LED 50W 4000K BK S IP65

Photometric and lighting design files	Document name
Light distribution curve type polar	4058075814738 Floodlight LED 50W 4000K BK S IP65

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075814738	Folding box 1	269 mm x 237 mm x 66 mm	1440.00 g	4.21 dm³
4058075814745	Shipping box 10	488 mm x 342 mm x 286 mm	16376.00 g	47.73 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.

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.