LEDVANCE

PRODUCT DATASHEET
FLOODLIGHT 50 W 4000 K IP65 BK S

FLOODLIGHT SENSOR 50 | Floodlight with symmetrical light output with 50 W and motion and daylight sensor

Areas of application

– Replacement for floodlights with halogen lamps
– Car parks and underpasses
– Garages
– Public areas
– Construction areas
– D-sign according to EN 60598-2-24 for fire-risk commercial unit, e.g. by accumulation of dust

Product benefits

– Easy adjustment of range, daylight and motion detection via rotary switch
– Frosted cover made of tempered glass for uniform illumination
– No upper light output ratio (ULOR 0%) when mounted at 0° tilt
– Energy savings of up to 90 % compared to halogen lamp floodlights
– 3 years guarantee

Product features

– Symmetrical beam angle: 100° x 100°
– Luminaire efficacy: up to 110 lm/W
– PIR motion detector and daylight sensor
– Deactivation of the sensor by switch setting
– Mounting bracket for up to 180° tilting

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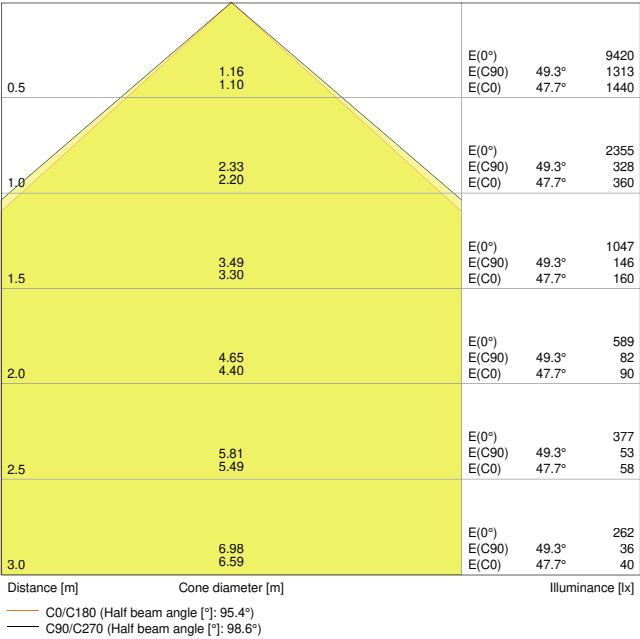
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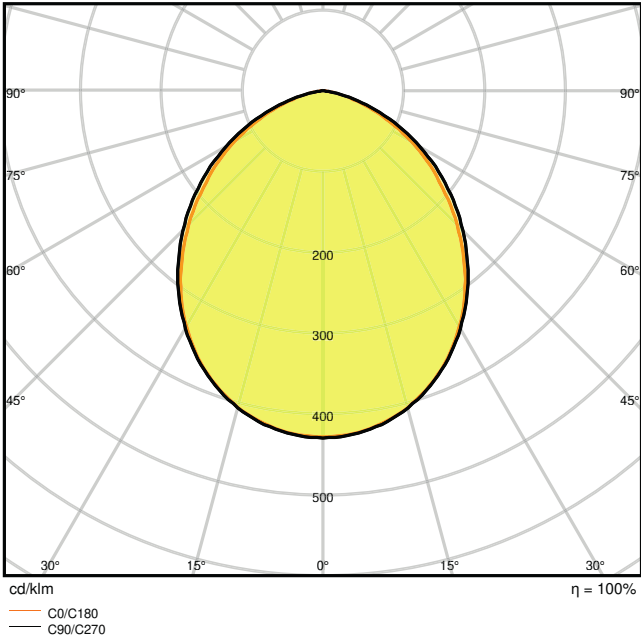
- Impact resistance: IK07
- Ambient temperature in operation: -20...+40 °C
- Connection via 1 m cable, wiring required

TECHNICAL DATA

Electrical data

Nominal wattage	50.00 W
Nominal voltage	220...240 V
Mains frequency	50/60 Hz
Nominal current	240 mA
Inrush current	22 A
Inrush current time T_{h50}	460 µs
Max. no. of lum. on circuit break. B16 A	7
Max. no. of lum. on circuit break. C10 A	7
Max. no. of lum. on circuit break. C16 A	12
Power factor λ	≥0.90
Total harmonic distortion	< 25 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

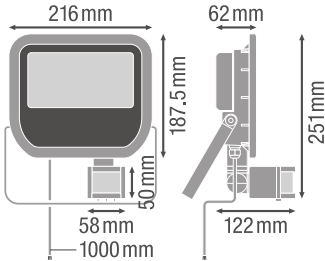|	
Luminous flux	5500 lm
Luminous efficacy	110 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥80
Standard deviation of color matching	≤5 sdcm
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG0
Beam angle	100 ° x 100 °

Distance [m]	Cone diameter [m]		Illuminance [lx]
0.5	1.16 / 1.10	E(0°) / E(C90) 49.3° / E(C0) 47.7°	9420 / 1313 / 1440
1.0	2.33 / 2.20	E(0°) / E(C90) 49.3° / E(C0) 47.7°	2355 / 328 / 360
1.5	3.49 / 3.30	E(0°) / E(C90) 49.3° / E(C0) 47.7°	1047 / 146 / 160
2.0	4.65 / 4.40	E(0°) / E(C90) 49.3° / E(C0) 47.7°	589 / 82 / 90
2.5	5.81 / 5.49	E(0°) / E(C90) 49.3° / E(C0) 47.7°	377 / 53 / 58
3.0	6.98 / 6.59	E(0°) / E(C90) 49.3° / E(C0) 47.7°	262 / 36 / 40

— C0/C180 (Half beam angle [°]: 95.4°)
— C90/C270 (Half beam angle [°]: 98.6°)

LDC typ cone

cd/klm   η = 100%

— C0/C180
— C90/C270

LDC typ polar

Dimensions & Weight

Length	251.00 mm
Width	216.00 mm
Height	122.00 mm
Product weight	930.00 g
Cable length	1000 mm

Materials & Colors

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Product color	Black
Housing color	Black
Body material	Polycarbonate (PC)
Cover material	Tempered glass
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	-20...+40 °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

Lifespan

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

Control gear

Output current	630 mA

Sensor

Type of sensor	Motion / Light
Sensor technology	Infrared/Photocell
Sensor detection angle	110 °
Detection range of motion sensor	0...12 m
Detection threshold of daylight sensor	0...1000 lx
Sensor IP rating	IP65

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

DOWNLOAD DATA

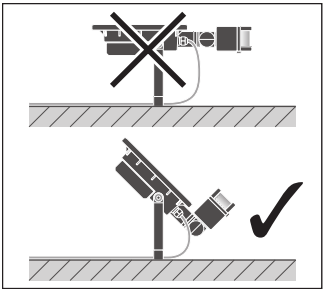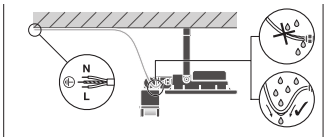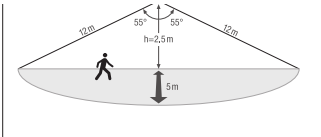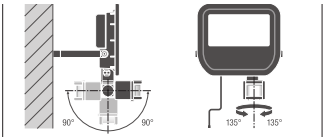| DOWNLOAD DATA	
PDF	User instruction
PDF	Certificates
PDF	Declarations Of Conformity CE
	IES file (IES)
	LDT file (Eulumdat)
	R3D file (Relux 3D Model)
	M4D file (3D Model with rotation axis)
	ULD file (DIALux)
	UGR file (UGR table)

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075143593	Folding box 1	269 mm x 237 mm x 66 mm	1010.00 g	4.21 dm³
4058075143609	Shipping box 10	488 mm x 342 mm x 286 mm	10740.00 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.

ADDITIONAL CATALOG INFORMATION

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