

PRODUCT DATASHEET

FLOODLIGHT SL 90 W 4000 K IP65 BK

FLOODLIGHT PHOTOCELL SENSOR 90 | Floodlight with symmetrical light output with 90 W and daylight sensor



Areas of application

- Replacement for floodlights with halogen lamps
- Garages
- Public areas
- Building facades
- Construction areas
- D-sign according to EN 60598-2-24 for fire-risk commercial unit, f. e. by accumulation of dust

Product benefits

- Automatically switches on and off according to available daylight thanks to photocell light sensor
- Frosted cover made of tempered glass for uniform illumination
- No upper light output ratio (ULOR 0%) when mounted at 0° tilt
- Optimized weight and size due to compact design
- Energy savings of up to 90 % compared to halogen lamp floodlights
- 5 years guarantee

Product features

- Automatically switches on below 35 lux and off above 95 lux ambient light
- Luminaire efficacy: up to 110 lm/W
- Symmetrical beam angle: 100° x 100°
- Angled (30°) mounting bracket and up to 180° tilting
- Type of protection: IP65
- Impact resistance: IK08 (IK07 Photocell sensor)
- Ambient temperature in operation: -20...+50 °C



- Connection via 1 m cable, wiring required

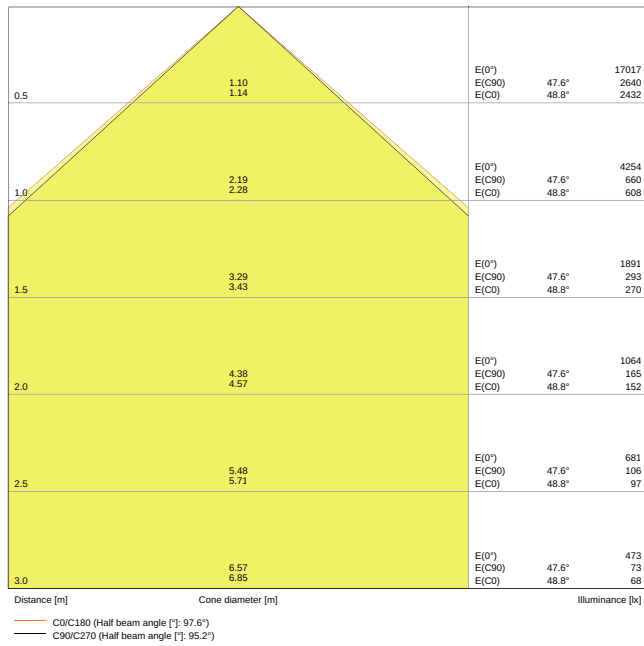
TECHNICAL DATA

Electrical data

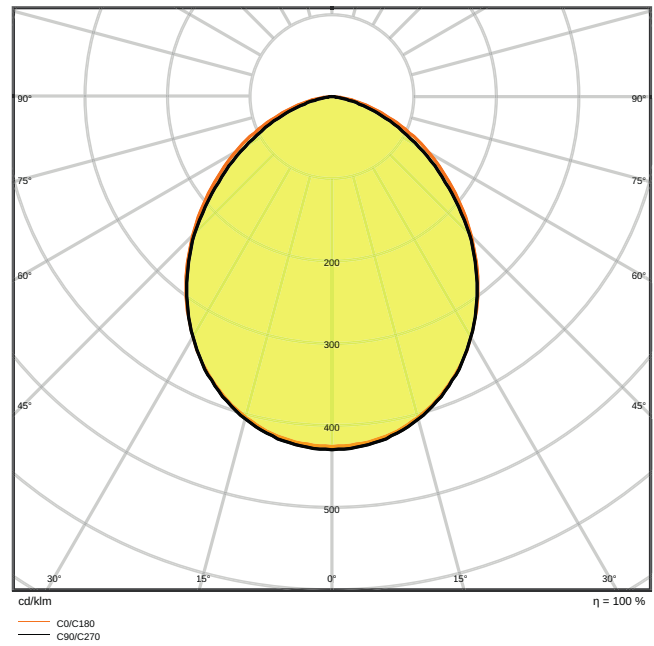
Nominal wattage	90.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	410 mA
Inrush current	20 A
Inrush current time T_{h50}	1000 μ s
Max. no. of lum. on circuit break. B16 A	11
Max. no. of lum. on circuit break. C10 A	9
Max. no. of lum. on circuit break. C16 A	14
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	10000 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 sdcn
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG0
Beam angle	100 ° x 100 °



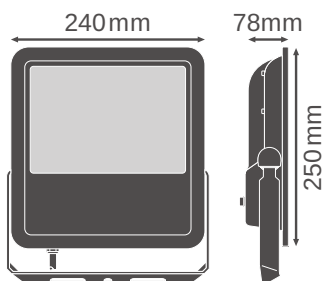
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Dimensions & Weight

Length	250.00 mm
Width	240.00 mm
Height	78.00 mm
Product weight	2600.00 g
Cable length	1000 mm



Materials & Colors

Product color	Black
Housing color	Black
Body material	Aluminum
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...+50 °C
Type of connection	Cable, 3-pole
Type of protection	IP65
Protection class IK (shock resistance)	IK08 ¹⁾
Dimmable	No
Mounting type	Surface
Mounting location	Wall / Pole / Floor / Ceiling
Adjustable	Yes
LED module replaceable	Not replaceable

¹⁾ Protection class of Sensor IK07

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	100000

Sensor








Type of sensor	Light
Sensor technology	Photocell
Detection threshold of daylight sensor	35...95 lx
Sensor IP rating	IP65

Certificates & Standards

Standards	CE / CB / TÜV SÜD / EAC / RoHS
Luminaire with limited surface temperature, "D sign"	Yes

Ball shot safe	No
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DOWNLOAD DATA

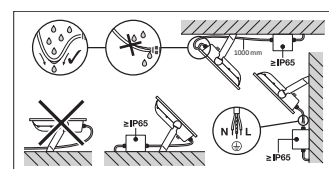
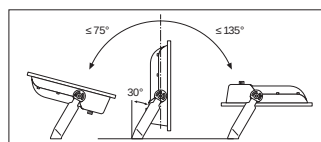
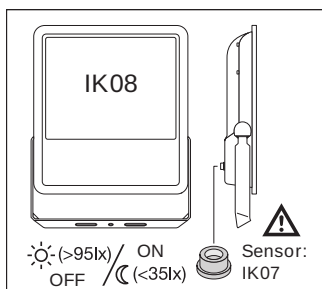
DOWNLOAD DATA	
	Tender documents Tender Text 4058075216778
	Declarations of conformity FLOOD BK 100DEG SL
	IES file (IES) FLOOD 90W 4000K BK 100DEG SL IP65
	LDT file (Eulumdat) Flood 90W 4000K BK 100DEG SL IP65
	R3D file (Relux 3D Model) FLOODLIGHT 90
	M4D file (3D Model with rotation axis) FLOODLIGHT 90
	UGR file (UGR table) Flood 90W 4000K BK 100DEG SL IP65

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075216778	Shipping box 1	322 mm x 282 mm x 134 mm	3016.00 g	12.17 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



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.