

# PRODUCT DATASHEET

## FLOODLIGHT 90 W 6500 K IP65 BK

**FLOODLIGHT 90 | Luminaire with symmetrical light output with 90 W**



### 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

- Energy savings of up to 90 % compared to halogen lamp floodlights
- Frosted cover made of tempered glass for uniform illumination
- Optimized weight and size due to compact design
- 5 years guarantee

### PRODUCT FEATURES

- Luminaire efficacy: up to 110 lm/W
- Symmetrical beam angle: 100° x 100°
- Mounting bracket for up to 180° tilting
- Type of protection: IP65
- Impact resistance: IK08
- Ambient temperature in operation: -20...+50 °C
- Connection via 1 m cable, wiring required



## TECHNICAL DATA

### Electrical data

Nominal wattage	90.00 W
Operating mode	Integrated LED driver
Nominal voltage	220...240 V
Power factor $\lambda$	> 0.90
Mains frequency	50/60 Hz
Inrush current	20.0 A
Total harmonic distortion	< 20 %
Inrush current time $T_{h50}$	1000 $\mu$ s

### Luminaire control gear data

Ouput current	1200 mA
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

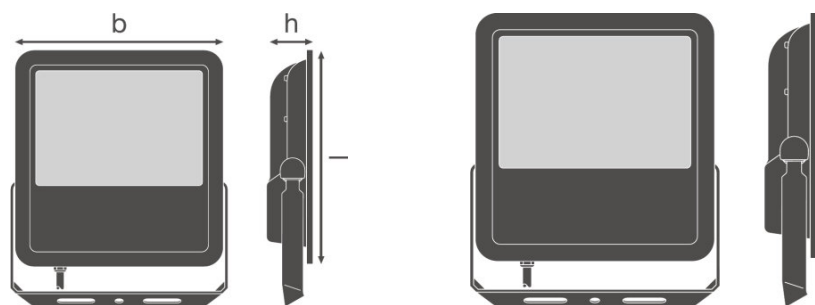
### Photometrical data

Color temperature	6500 K
Luminous flux	10000 lm
Luminous efficacy	110 lm/W
Standard deviation of color matching	$\leq 5$ sdcn
Light color (designation)	Cool Daylight
Color rendering index Ra	$\geq 80$

### Light technical data

Beam angle	100 ° x 100 °
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### Dimensions & weight



<b>Length</b>	250.0 mm
<b>Width</b>	240.0 mm
<b>Height</b>	70.0 mm
<b>Product weight</b>	2600.00 g
<b>Cable length</b>	1000 mm

### Colors & materials

<b>Body material</b>	Aluminum
<b>Housing color</b>	Black
<b>Product color</b>	Black
<b>Cover material</b>	Tempered glass

### Temperatures & operating conditions

<b>Ambient temperature range</b>	-20...+50 °C
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### Lifespan

<b>Lifespan L70/B50 at 25 °C</b>	50000 h
<b>Lifespan L80/B10 at 25 °C</b>	30000 h
<b>Lifespan L90/B10 at 25 °C</b>	15000 h

### Additional product data

<b>Mounting type</b>	Surface
<b>Mounting location</b>	Wall / Ceiling / Floor

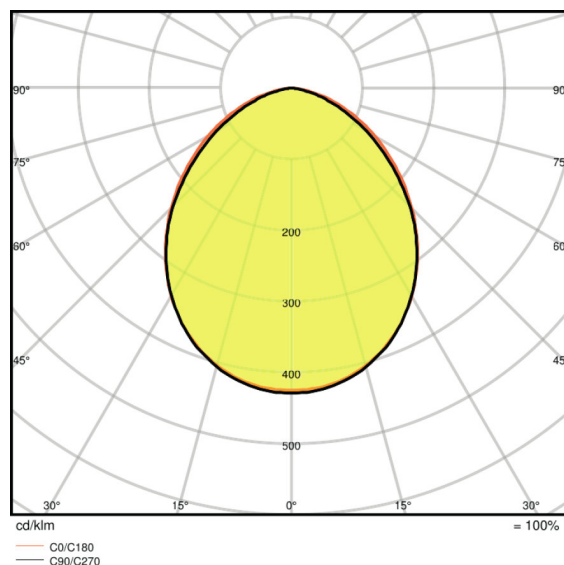
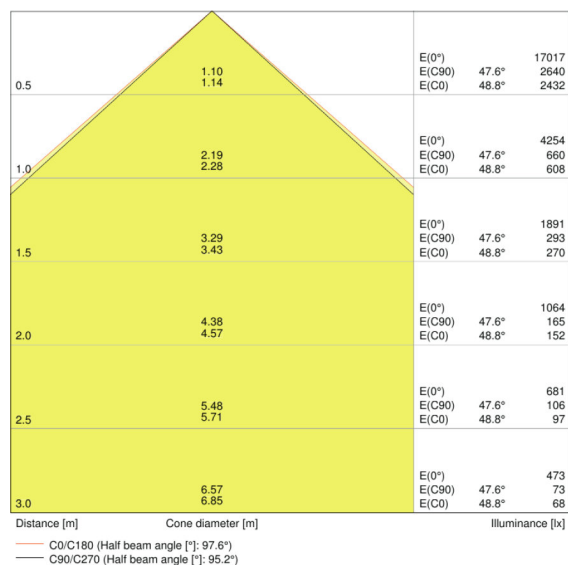
### Capabilities

<b>Adjustable</b>	Yes
<b>Dimmable</b>	No
<b>Type of connection</b>	Cable, 3-pole
<b>LED module replaceable</b>	Not replaceable

### Certificates & standards

<b>Protection class IK (shock resistance)</b>	IK08
<b>Glow Wire Test according to IEC 695-2-1</b>	650 °C
<b>Photobiological safety group EN62778</b>	RG 1
<b>Photobio. safety group acc. to EN62471</b>	RG 0
<b>Protection class</b>	I
<b>Type of protection</b>	IP65
<b>Luminaire with limited surface temperature, class "D"</b>	Yes
<b>Standards</b>	CE/CB/TÜV SÜD/EAC/RoHS

## Light Distribution



LDC typ cone

LDC typ polar

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075097698	Shipping carton box 1	322 mm x 282 mm x 134 mm	3190.00 g	12.17 dm <sup>3</sup>

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](http://www.ledvance.com/guarantee)

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