

PRODUCT DATASHEET

FLOODLIGHT 90 W 4000 K IP65 BK

FLOODLIGHT 90 | Floodlight 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, e.g. by accumulation of dust

Product benefits

- Frosted cover made of tempered glass for uniform illumination
- Optimized weight and size due to compact design
- 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

- 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

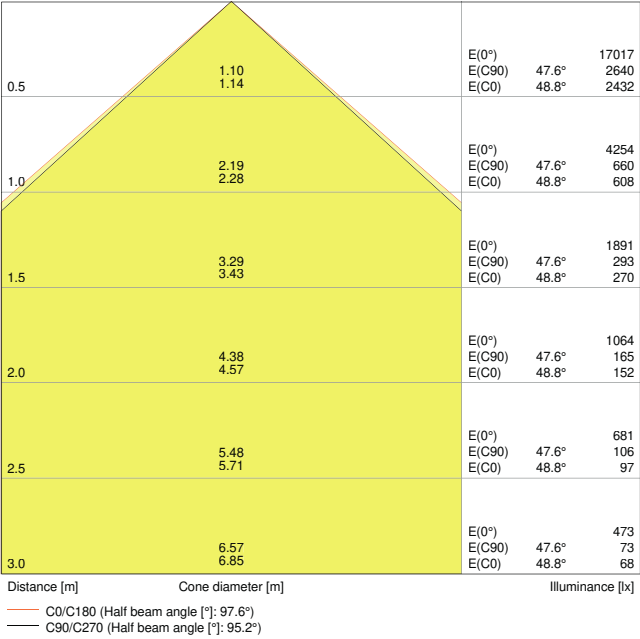


TECHNICAL DATA**Electrical data**

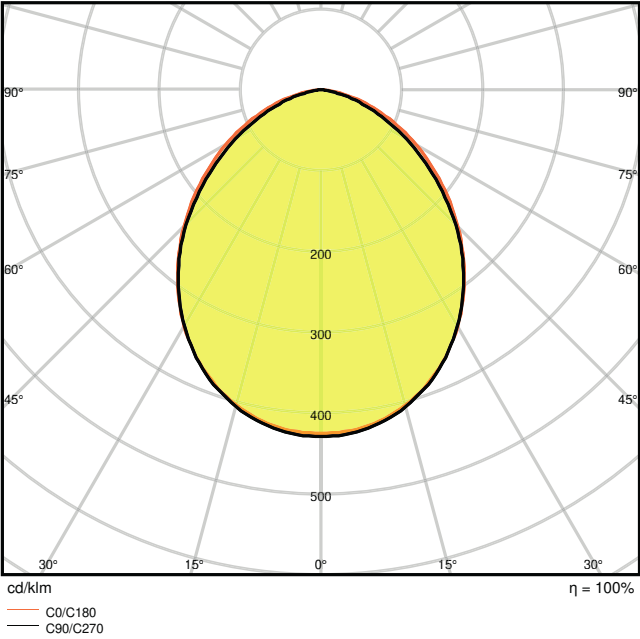
Nominal wattage	90.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	410 mA
Inrush current	20 A
Inrush current time T_{h50}	1000 μ s
Max. number of luminaires per miniature circuit breaker B16	11
Max. number of luminaires per miniature circuit breaker C10	9
Max. number of luminaires per miniature circuit breaker C16	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 sdc _m
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG0
Beam angle	100 ° x 100 °



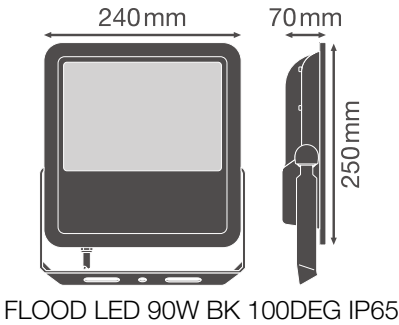
Flood LED Sym 90W 4000K BK IP65



Flood LED Sym 90W 4000K BK IP65

Dimensions & Weight

Length	250.00 mm
Width	240.00 mm
Height	70.00 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
Dimmable	No
Mounting type	Surface
Mounting location	Wall / Ceiling / Floor
Application environment	Outdoor
Adjustable	Yes
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	100000

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

Control gear

Output current	1200 mA
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Certificates & Standards

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

DOWNLOAD DATA

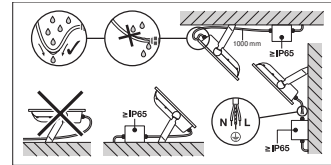
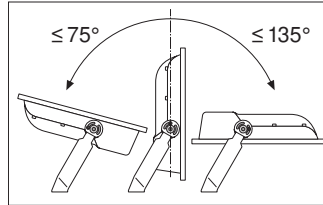
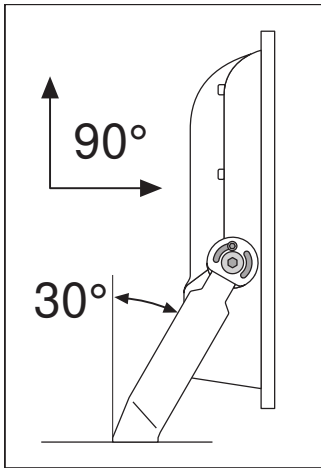
Documents and certificates		Document name
	User instruction / safety instructions	FLOODLIGHT 100DEG
	User instruction / safety instructions	User Instruction Floodlight LED 100 DEG
	On-Pack-Info	Legal Insert Floodlight 100 DEG
	Declarations of conformity	EU Declaration of Conformity Floodlight 100DEG LEDV
	Declarations of conformity	Attestation of Conformity Floodlight 100DEG TÜV
	Certificates	Floodlight 100 DEG CE Certificate
Photometric and lighting design files		Document name
	IES file (IES)	Flood LED Sym 90W 4000K BK IP65
	LDT file (Eulumdat)	Flood LED Sym 90W 4000K BK IP65
	ULD file (DIALux)	FLOODLIGHT9090W4000KIP65BK
	UGR file (UGR table)	Flood LED Sym 90W 4000K BK IP65
	Light distribution curve type cone	Flood LED Sym 90W 4000K BK IP65
	Light distribution curve type polar	Flood LED Sym 90W 4000K BK IP65

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075097681	Shipping box 1	322 mm x 282 mm x 134 mm	3187.00 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.