PRODUCT DATASHEET
FLOODLIGHT 90 W 6500 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, f. e. 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
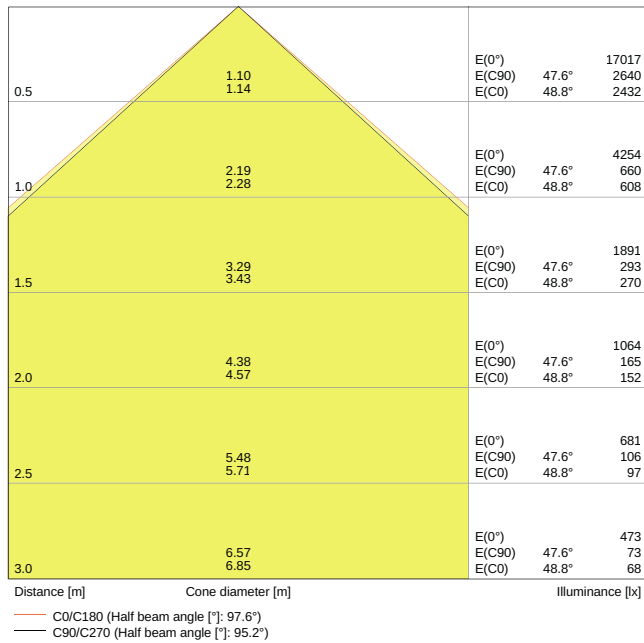– Connection via 1 m cable, wiring required
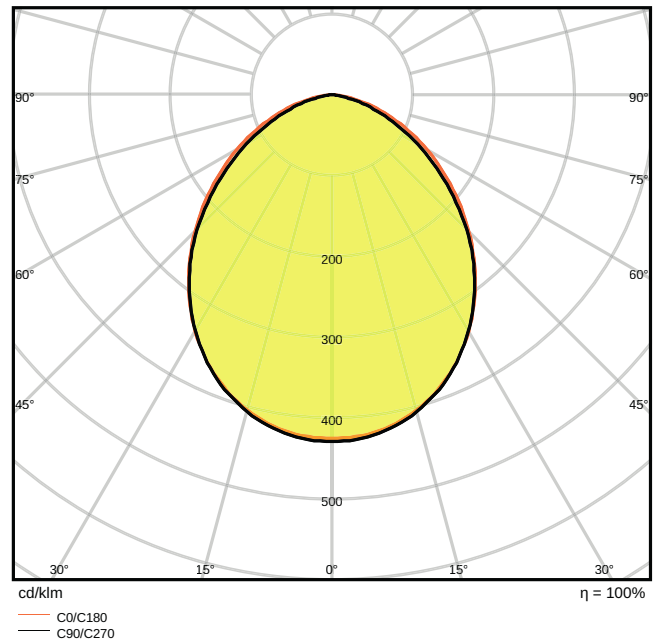
TECHNICAL DATA

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 µs
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

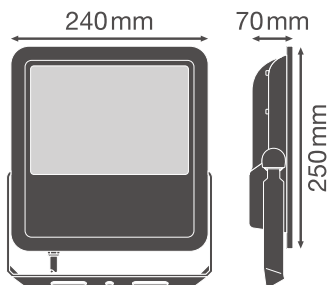|	
Luminous flux	10000 lm
Luminous efficacy	110 lm/W
Color temperature	6500 K
Light color (designation)	Cool Daylight
Color rendering index Ra	≥80
Standard deviation of color matching	≤5 sdcm
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG0
Beam angle	100 ° x 100 °

Distance [m]	Cone diameter [m]		Illuminance [lx]
0.5	1.10 1.14	E(0°) E(C90) 47.6° E(C0) 48.8°	17017 2640 2432
1.0	2.19 2.28	E(0°) E(C90) 47.6° E(C0) 48.8°	4254 660 608
1.5	3.29 3.43	E(0°) E(C90) 47.6° E(C0) 48.8°	1891 293 270
2.0	4.38 4.57	E(0°) E(C90) 47.6° E(C0) 48.8°	1064 165 152
2.5	5.48 5.71	E(0°) E(C90) 47.6° E(C0) 48.8°	681 106 97
3.0	6.57 6.85	E(0°) E(C90) 47.6° E(C0) 48.8°	473 73 68

— C0/C180 (Half beam angle [°]: 97.6°)
— C90/C270 (Half beam angle [°]: 95.2°)

LDC typ cone

cd/klm   η = 100%

— C0/C180
— C90/C270

LDC typ polar

Dimensions & Weight

Length	250.00 mm
Width	240.00 mm
Height	70.00 mm
Product weight	2600.00 g
Cable length	1000 mm

240mm   70mm   250mm

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
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	100000

Certificates & Standards

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

DOWNLOAD DATA

DOWNLOAD DATA	
	User instruction FLOODLIGHT 100DEG

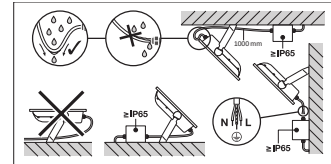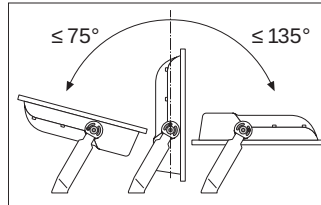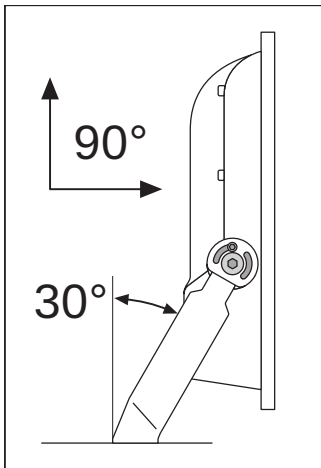|	DOWNLOAD DATA
PDF	User instruction User Instruction Floodlight LED 100 DEG
	Tender documents Tender Text 4058075097698
PDF	Certificates Floodlight 100 DEG CE Certificate
PDF	Declarations of conformity EU Declaration of Conformity Floodlight 100DEG LEDV
PDF	Declarations of conformity Attestation of Conformity Floodlight 100DEG TÜV
PDF	On-Pack-Info Legal Insert Floodlight 100 DEG
	IES file (IES) Flood LED Sym 90W 6500K BK IP65
	LDT file (Eulumdat) Flood LED Sym 90W 6500K BK IP65
	R3D file (Relux 3D Model) Floodlight 90w
	M4D file (3D Model with rotation axis) Floodlight_90W
	ULD file (DIALux) FLOODLIGHT9090W6500KIP65BK
	UGR file (UGR table) Flood LED Sym 90W 6500K BK IP65

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075097698	Shipping box 1	322 mm x 282 mm x 134 mm	3324.00 g	12.17 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

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.