

PRODUCT DATASHEET

FLOODLIGHT 20 W 4000 K IP65 BK

FLOODLIGHT 20 | Floodlight with symmetrical light output with 20 W



Areas of application

- Replacement for floodlights with halogen lamps
- Car parks and underpasses
- 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
- 3 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: IK07
- Ambient temperature in operation: -20...+50 °C
- Connection via 1 m cable, wiring required



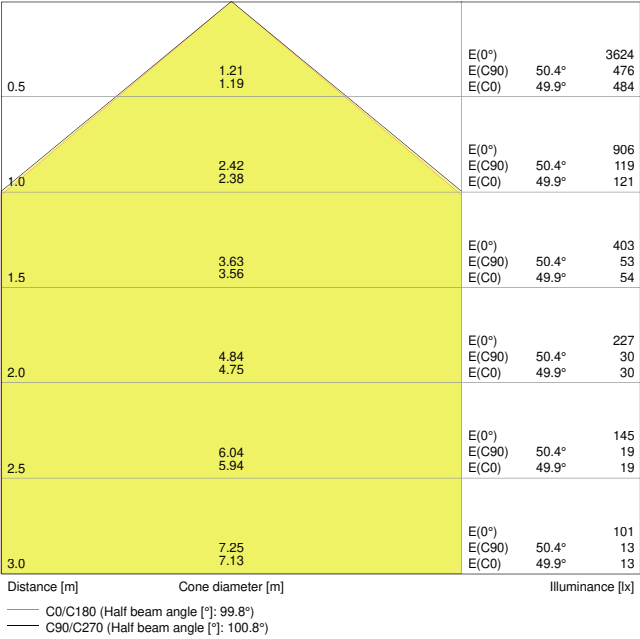
TECHNICAL DATA

Electrical data

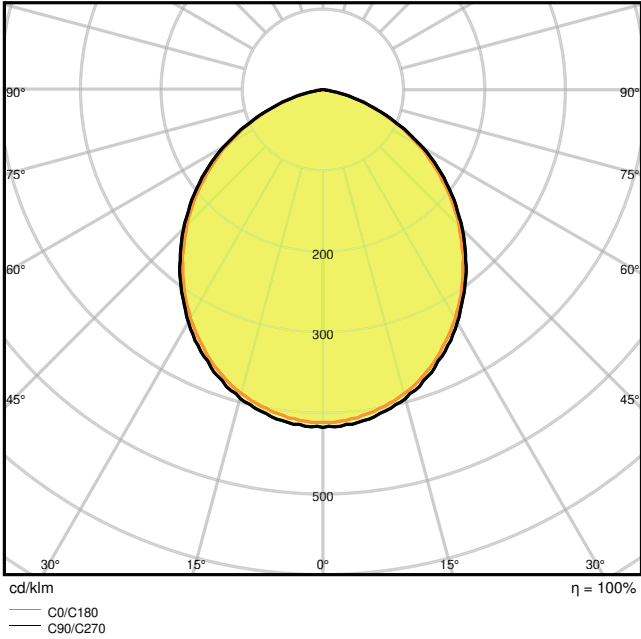
Nominal wattage	20.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	96 mA
Inrush current	19 A
Max. number of luminaires per miniature circuit breaker B16	83
Max. number of luminaires per miniature circuit breaker C10	66
Max. number of luminaires per miniature circuit breaker C16	106
Power factor λ	> 0.90
Total harmonic distortion	< 25 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	2200 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 °



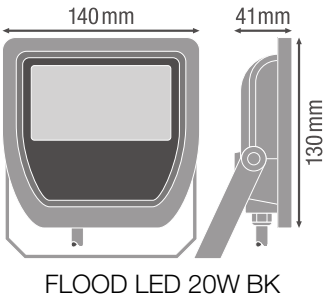
Flood LED Sym 20W 4000K BK IP65



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Dimensions & Weight

Length	130.00 mm
Width	140.00 mm
Height	41.00 mm
Product weight	560.00 g
Cable length	1000 mm



FLOOD LED 20W BK

Materials & Colors

Product color	Black
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Housing color	Black
Body material	Aluminum 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...+50 °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 / 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)

Certificates & Standards

Standards	CE / CB / TÜV SÜD / EAC / RoHS
Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

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	Attestation of Conformity Floodlight 100DEG TÜV
	Declarations of conformity	EU Declaration of Conformity Floodlight 100DEG LEDV
	Certificates	Floodlight 100 DEG CE Certificate

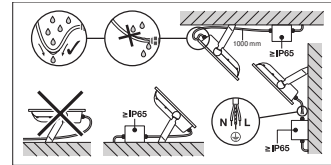
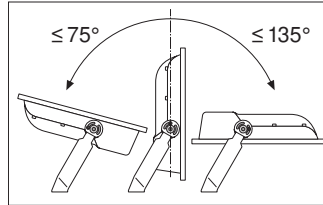
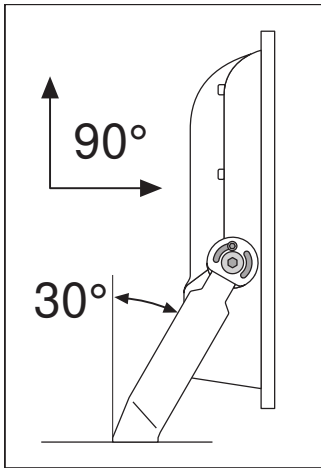
Photometric and lighting design files		Document name
	IES file (IES)	Flood LED Sym 20W 4000K BK IP65
	LDT file (Eulumdat)	Flood LED Sym 20W 4000K BK IP65
	ULD file (DIALux)	FLOODLIGHT2020W4000KIP65BK
	UGR file (UGR table)	Flood LED Sym 20W 4000K BK IP65
	Light distribution curve type cone	Flood LED Sym 20W 4000K BK IP65
	Light distribution curve type polar	Flood LED Sym 20W 4000K BK IP65

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075097483	Folding box 1	46 mm x 146 mm x 197 mm	611.00 g	1.32 dm ³
4058075097490	Shipping box 10	309 mm x 255 mm x 228 mm	6780.00 g	17.97 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.