

PRODUCT DATASHEET

FLOODLIGHT 70 W 6500 K IP65 BK

FLOODLIGHT 70 | Floodlight with symmetrical light output with 70 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

- Symmetrical beam angle: 100° x 100°
- Luminaire efficacy: up to 110 lm/W
- Angled (30°) mounting bracket and 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

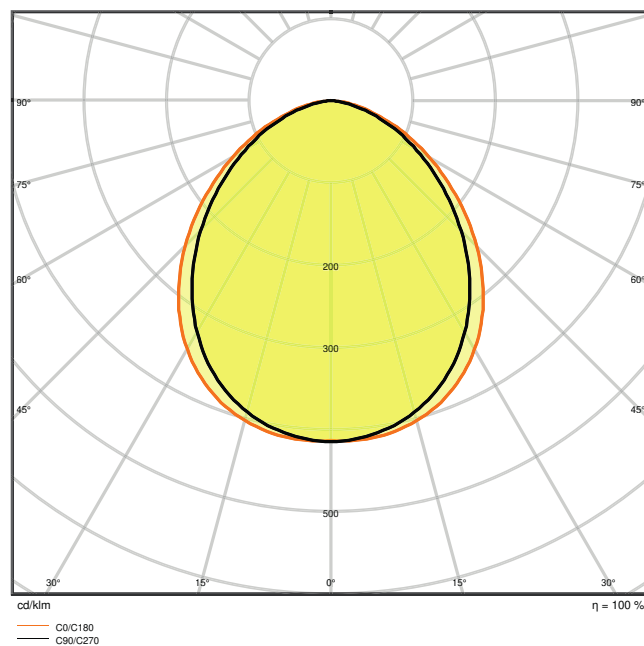
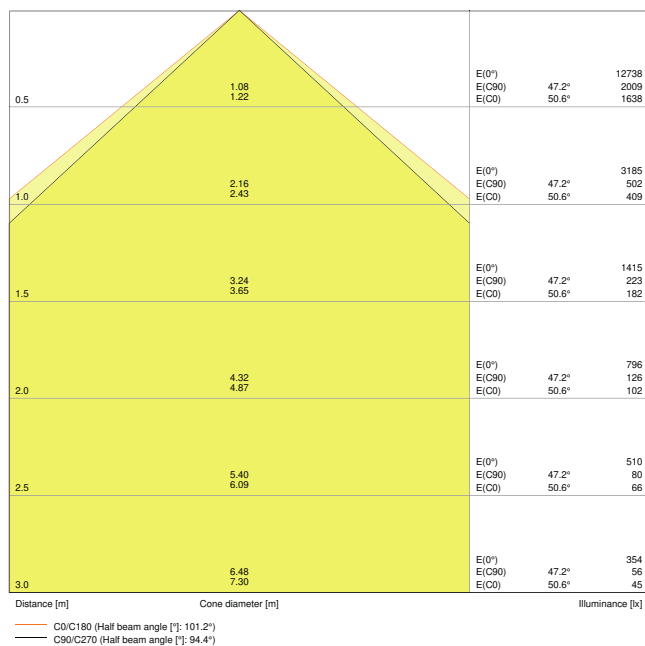


TECHNICAL DATA**Electrical data**

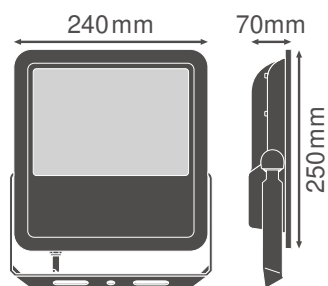
Nominal wattage	70.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	320 mA
Inrush current	60 A
Inrush current time T_{h50}	1000 μ s
Max. number of luminaires per miniature circuit breaker B16	15
Max. number of luminaires per miniature circuit breaker C10	12
Max. number of luminaires per miniature circuit breaker C16	19
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	7700 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 sdc _m
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG0
Beam angle	100 ° x 100 °



Length	250.00 mm
Width	240.00 mm
Height	70.00 mm
Product weight	2500.00 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	1050 mA
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Certificates & Standards

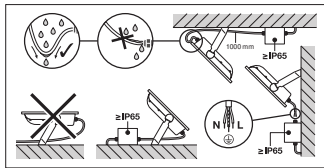
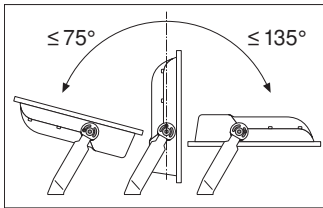
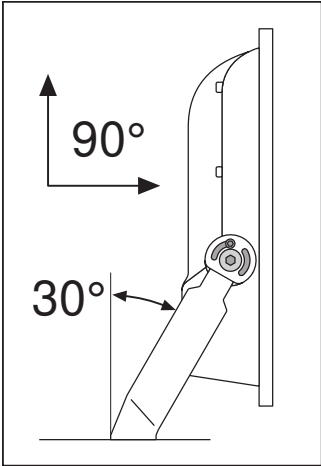
Standards	CE / CB / TÜV SÜD / EAC / RoHS
Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	FLOODLIGHT 100DEG
	Declarations of conformity	FLOOD LED 70W/6500K BK 100DEG IP65
	Declarations of conformity	CE declaration of floodlight 30 70W

Photometric and lighting design files		Document name
	IES file (IES)	FLOOD 70W 6500K BK 100DEG IP65
	LDT file (Eulumdat)	FLOOD 70W 6500K BK 100DEG IP65
	UGR file (UGR table)	FLOOD 70W 6500K BK 100DEG IP65
	Light distribution curve type cone	FLOOD 70W 6500K BK 100DEG IP65
	Light distribution curve type polar	FLOOD 70W 6500K BK 100DEG IP65

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.