LEDVANCE

PRODUCT DATASHEET
FLOODLIGHT 70 W 3000 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
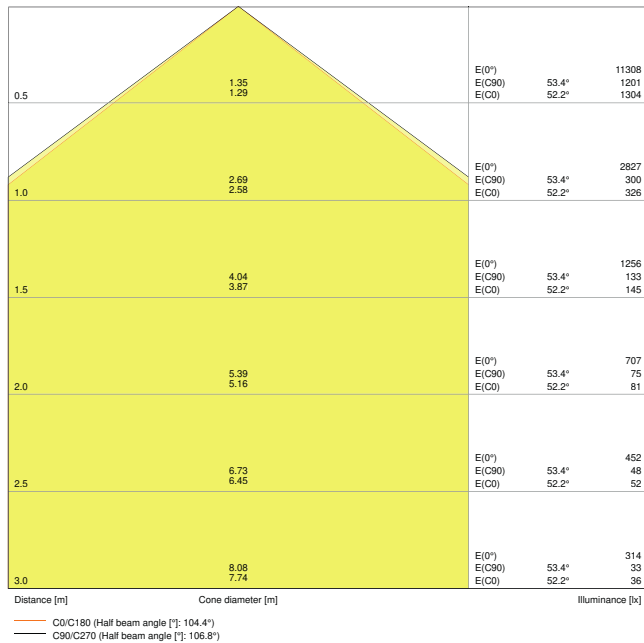– Connection via 1 m cable, wiring required
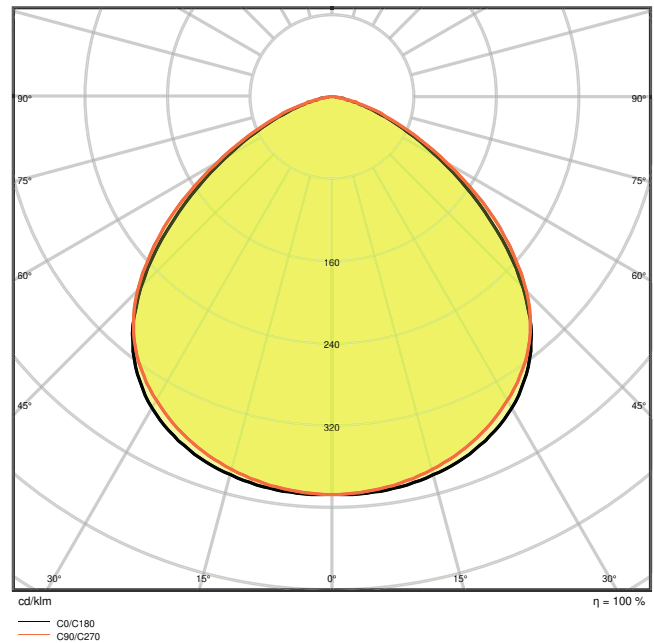
TECHNICAL DATA

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 μs
Max. no. of lum. on circuit break. B16 A	15
Max. no. of lum. on circuit break. C10 A	12
Max. no. of lum. on circuit break. C16 A	19
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

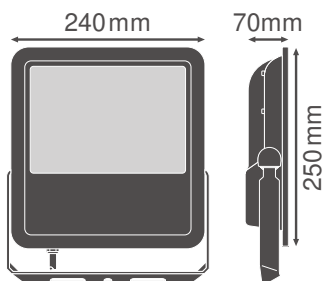|	
Luminous flux	7300 lm
Luminous efficacy	105 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	≥80
Standard deviation of color matching	≤5 sdcm
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG0
Beam angle	100 ° x 100 °

Distance [m]		Cone diameter [m]			Illuminance [lx]
0.5		1.35 / 1.29	E(0°) E(C90) 53.4° E(C0) 52.2°		11308 1201 1304
1.0		2.69 / 2.58	E(0°) E(C90) 53.4° E(C0) 52.2°		2827 300 326
1.5		4.04 / 3.87	E(0°) E(C90) 53.4° E(C0) 52.2°		1256 133 145
2.0		5.39 / 5.16	E(0°) E(C90) 53.4° E(C0) 52.2°		707 75 81
2.5		6.73 / 6.45	E(0°) E(C90) 53.4° E(C0) 52.2°		452 48 52
3.0		8.08 / 7.74	E(0°) E(C90) 53.4° E(C0) 52.2°		314 33 36

— C0/C180 (Half beam angle [°]: 104.4°)
— C90/C270 (Half beam angle [°]: 106.8°)

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	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
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

Control gear

Output current	1050 mA

Certificates & Standards

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

DOWNLOAD DATA

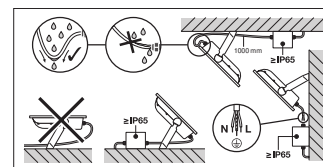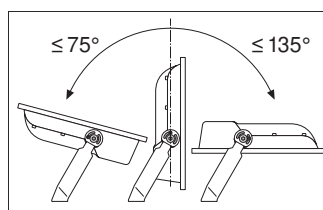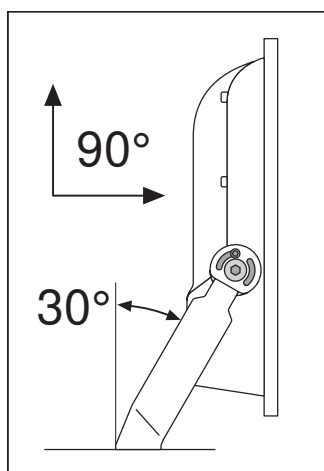| DOWNLOAD DATA	
PDF	User instruction
PDF	**Declarations Of Conformity CE**
	IES file (IES)
	LDT file (Eulumdat)
	R3D file (Relux 3D Model)
	M4D file (3D Model with rotation axis)
	UGR file (UGR table)

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.