LEDVANCE

PRODUCT DATASHEET
FLOODLIGHT 50 W 6500 K IP65 BK

FLOODLIGHT 50 | Floodlight with symmetrical light output with 50 W

AREAS OF APPLICATION

– Replacement for floodlights with halogen lamps
– Car parks and underpasses
– 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
– 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	50.00 W
Operating mode	Integrated LED driver
Nominal voltage	220...240 V
Power factor λ	> 0.90
Mains frequency	50/60 Hz
Inrush current	< 20 A
Total harmonic distortion	< 25 %
Inrush current time T_{h50}	1500 μs

Luminaire control gear data

Max. no. of lum. on circuit break. B16 A	4
Max. no. of lum. on circuit break. C10 A	4
Max. no. of lum. on circuit break. C16 A	7

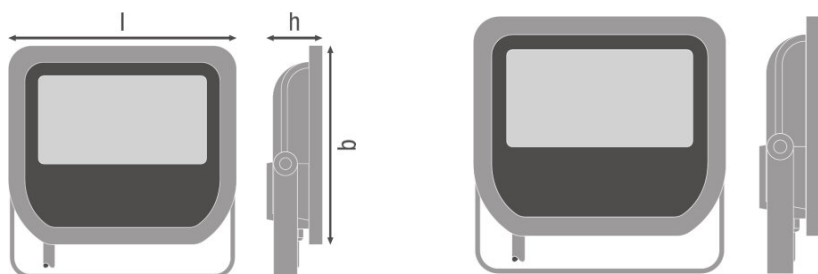### Photometrical data

Color temperature	6500 K
Luminous flux	5500 lm
Luminous efficacy	110 lm/W
Standard deviation of color matching	≤5 sdcm
Light color (designation)	Cool Daylight
Color rendering index Ra	≥80

Light technical data

Beam angle	100 ° x 100 °

Dimensions & weight

Length	155.0 mm

Width	180.0 mm
Height	46.0 mm
Product weight	930.00 g
Cable length	1000 mm

Colors & materials

Body material	Aluminum/Polycarbonate (PC)
Product color	Black
Housing color	Black
Cover material	Tempered glass

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C

Lifespan

Number of switching cycles	100000
Lifespan L70/B50 at 25 °C	50000 h
Lifespan L80/B10 at 25 °C	30000 h
Lifespan L90/B10 at 25 °C	15000 h

Additional product data

Mounting type	Surface
Mounting location	Wall / Ceiling / Floor

Capabilities

Adjustable	Yes
Dimmable	No
Type of connection	Cable, 3-pole
LED module replaceable	Not replaceable

Certificates & standards

Protection class IK (shock resistance)	IK07
Glow Wire Test according to IEC 695-2-1	650 °C
Photobiological safety group EN62778	RG 1
Photobio. safety group acc. to EN62471	RG 0
Protection class	I
Type of protection	IP65
Luminaire with limited surface temperature, class "D"	Yes
Standards	CE/CB/TÜV SÜD/EAC/RoHS

Light Distribution

0.5	1.13 / 1.11	E(0°) 9471 / E(C90) 48.4° 1407 / E(C0) 48.0° 1420
1.0	2.25 / 2.22	E(0°) 2368 / E(C90) 48.4° 352 / E(C0) 48.0° 355
1.5	3.38 / 3.33	E(0°) 1052 / E(C90) 48.4° 156 / E(C0) 48.0° 158
2.0	4.51 / 4.44	E(0°) 592 / E(C90) 48.4° 88 / E(C0) 48.0° 89
2.5	5.63 / 5.55	E(0°) 379 / E(C90) 48.4° 56 / E(C0) 48.0° 57
3.0	6.76 / 6.66	E(0°) 263 / E(C90) 48.4° 39 / E(C0) 48.0° 39

Distance [m]   Cone diameter [m]   Illuminance [lx]

— C0/C180 (Half beam angle [°]: 96.0°)
— C90/C270 (Half beam angle [°]: 96.8°)

LDC typ cone

cd/klm = 100%

— C0/C180
— C90/C270
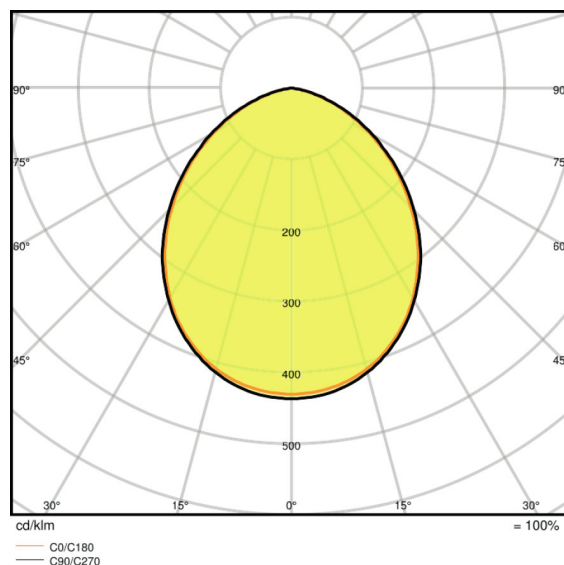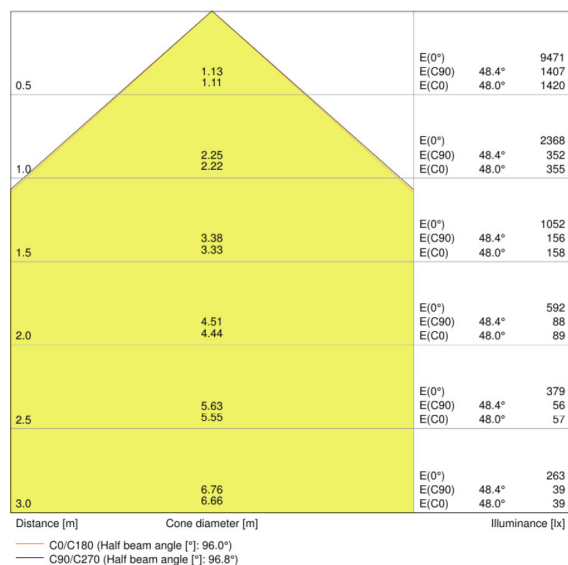
LDC typ polar

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075097643	Folding carton box 1	52 mm x 186 mm x 207 mm	999.00 g	2.00 dm³
4058075097650	Shipping carton box 10	393 mm x 285 mm x 238 mm	10610.00 g	26.66 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.

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.