PRODUCT DATASHEET
Floodlight Essential 100W 4000K

Essentials Floodlights | Essential Floodlights for basic user purposes

Areas of application

- Outdoor
- Building facades

Product benefits

- IP65 protection is suitable for outdoor application
- White satin-frosted diffuser for uniform glare-free light

Product features

- IP65 outdoor floodlight
- Adjustable light angle

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TECHNICAL DATA

Electrical data

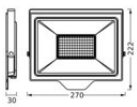
Nominal wattage	100.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	450.000 mA
Inrush current time T_{h50}	120 µs
Max. number of luminaires per miniature circuit breaker B16	23
Max. number of luminaires per miniature circuit breaker C16	23
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	10000 lm
Luminous efficacy	100 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	6 sdcm
Photobiological safety group acc. to EN62778	RG0
Beam angle	110 °

Dimensions & Weight

Length	270.00 mm
Width	30.00 mm
Height	222.00 mm
Product weight	1000.00 g
Cable length	250 mm



FL ESSENTIAL 100W 840 BK

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Materials & Colors

Product color	Black
Housing color	Black
Body material	Aluminum
Cover material	Glass
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20…+40 °C
Temperature range at storage	-25…+80 °C
Type of connection	Cable, 3-pole
Type of protection	IP65
Protection class IK (shock resistance)	IK06
Dimmable	No
Mounting type	Surface
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	25000 h [1)]
Number of switching cycles	12500

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 / UKCA
Luminaire with limited surface temperature, "D sign"	No
Replaceable light source (EPREL)	Not replaceable

Additional product data

Number of illuminants	empty

EQUIPMENT / ACCESSORIES

– Connection cable included

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Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.
- To reduce the risk of strangulation the flexible wiring connected to this luminaire shall be effectively fixed to the wall if the wiring is within arm's reach.
- Check wall-ceiling for suitability. If uncertain, seek professional advice.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	FL ESSENTIAL_SENSOR
PDF	Legal information	Safety insert G11220428
PDF	Declarations of conformity	FL ESSENTIAL
PDF	Declarations of conformity UKCA	FLOODLIGHT ESSENTIAL

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854429576	Folding box 1	42 mm x 282 mm x 238 mm	1225.00 g	2.82 dm^3
4099854429583	Shipping box 4	302 mm x 187 mm x 265 mm	4900.00 g	14.97 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.

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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