

# PRODUCT DATASHEET

## Floodlight Essential 50W 6500K

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



## TECHNICAL DATA

### Electrical data

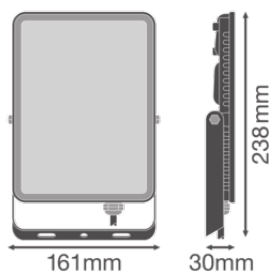
Nominal wattage	50.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	230.000 mA
Inrush current time $T_{h50}$	80 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	56
Max. number of luminaires per miniature circuit breaker C16	56
Power factor $\lambda$	$\geq 0.90$
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

### Photometrical data

Luminous flux	4500 lm
Total luminous flux of contained light sources	4750 lm
Luminous efficacy	90 lm/W
Color temperature	6500 K
Light color (designation)	Cool Daylight
Color rendering index Ra	$\geq 80$
Standard deviation of color matching	6 sdc <sub>m</sub>
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	100 °
UGR	< 28

### Dimensions & Weight

Length	238.00 mm
Width	161.00 mm
Height	30.00 mm
Product weight	810.00 g
Cable length	300 mm



FL ESSENTIAL 50W

Materials & Colors

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

Application & Mounting

Ambient temperature range	-30...+40 °C
Type of connection	Cable, 3-pole
Type of protection	IP65
Protection class IK (shock resistance)	IK04
Dimmable	No
Mounting type	Surface
Application environment	Outdoor
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	25000 h <sup>1)</sup>
Number of switching cycles	25000

<sup>1)</sup> 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

Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

### Additional product data

Number of illuminants	empty
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### EQUIPMENT / ACCESSORIES

- Connection cable included

### 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
	User instruction / safety instructions	FL ESSENTIAL
	Legal information	Legal insert FL ESSENTIAL
	Declarations of conformity	CE Declaration FL Essential
	Declarations of conformity UKCA	FLOODLIGHT

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075768154	Folding box 1	38 mm x 165 mm x 249 mm	873.00 g	1.56 dm <sup>3</sup>
4058075768161	Shipping box 12	351 mm x 243 mm x 273 mm	10888.00 g	23.28 dm <sup>3</sup>

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.

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## DISCLAIMER

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