

# PRODUCT DATASHEET

## Floodlight EA 24,5W 840 Dark Grey

FLOODLIGHTS ENERGY EFFICIENCY | Floodlights with Energy Class A light source



### Areas of application

- Outdoor
- Garages
- Building facades

### Product benefits

- Very low energy consumption
- Quick and simple installation thanks to low profile, compact and light weight design

### Product features

- Luminous efficacy of light source: up to 210 lm/W
- Very bright and functional outdoor LED luminaires
- Type of protection: IP65



## TECHNICAL DATA

### Electrical data

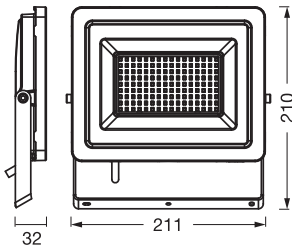
Nominal wattage	24.50 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	180.000 mA
Inrush current	24 mA
Inrush current time $T_{h50}$	150 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	24
Max. number of luminaires per miniature circuit breaker C10	19
Max. number of luminaires per miniature circuit breaker C16	30
Power factor $\lambda$	< 0.5
Total harmonic distortion	150 %
Protection class	I
Operating mode	Mains voltage

### Photometrical data

Luminous flux	4600 lm
Total luminous flux of contained light sources	5150 lm
Luminous efficacy	185 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	6 sdc <sub>m</sub>
Flickering metric (Pst LM)	≤1
Stroboscope effect metric (SVM)	≤0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	100 °

### Dimensions & Weight

Length	211.00 mm
Width	32.00 mm
Height	210.00 mm
Product weight	800.00 g
Cable length	1000 mm



FL EA 24.5W 840 BK

**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	-20...+80 °C
Type of connection	Cable, 3-pole
Type of protection	IP65
Protection class IK (shock resistance)	IK06
Dimmable	No
Mounting type	Surface
Mounting location	All surfaces
Application environment	Outdoor
Adjustable	Yes
With light source	Yes

**Lifespan**

Lifespan L70/B50 at 25 °C	50000 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
Replaceable light source (EPREL)	Not replaceable





## Additional product data

Number of illuminants	empty
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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.

## DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	FLOODLIGHT EA
	Legal information	Legal Insert FL EA
	Declarations of conformity	FL EA_BK
	Declarations of conformity UKCA	FL EA_BK

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075843301	Folding box 1	47 mm x 202 mm x 223 mm	879.00 g	2.12 dm <sup>3</sup>
4058075843318	Shipping box 8	398 mm x 219 mm x 249 mm	7454.00 g	21.70 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.

## DISCLAIMER

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

