

# 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

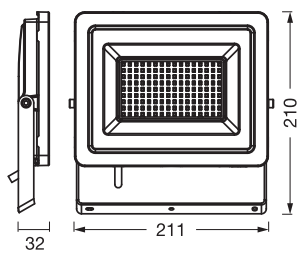
|                                                             |               |
|-------------------------------------------------------------|---------------|
| Nominal wattage                                             | 24.50 W       |
| Nominal voltage                                             | 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           |
| Replaceable light source               | No            |

Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 50000 h <sup>1)</sup> |
| Number of switching cycles | 25000                 |

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 |
|-----------------------|-------|

## 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<br>1             | 47 mm x 202 mm x 223 mm              | 879.00 g     | 2.12 dm³  |
| 4058075843318 | Shipping box<br>8            | 398 mm x 219 mm x 249 mm             | 7454.00 g    | 21.70 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.

## DISCLAIMER

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