

# PRODUCT DATASHEET

## FL AREA ASYM 48x92 105 W 3000 K BK

FLOODLIGHT AREA | Floodlight with lens based light distribution up to 140 lm/W



### Areas of application

- Direct replacement for luminaires using HID lamps
- Outdoor use (IP65)
- Public areas
- Industry
- Sports facilities
- Parking

### Product benefits

- Energy savings of up to 90 % compared to halogen lamp floodlights
- Energy savings of up to 45 % compared to luminaires that use conventional discharge lamps
- High light uniformity
- No upper light output ratio (ULOR 0%) when mounted at 0° tilt
- 5 years guarantee

### Product features

- High luminous efficacy: up to 140 lm/W
- Asymmetric light distribution for various application areas
- Integrated wide voltage driver, suitable for 100 - 277 V AC
- Angled (30 °) mounting bracket and up to 210 ° tilting
- Type of protection: IP65
- Impact resistance: IK08
- Ambient temperature in operation: -30...+50 °C
- High surge protection: up to 6 kV (L/N-PE), 4 kV (L-N)



- Integrated breather for preventing condensation inside the luminaire
- Pre-installed, flexible 1 m cable (H05RN-F), wrapped 3 x 1.0 mm<sup>2</sup> single wires

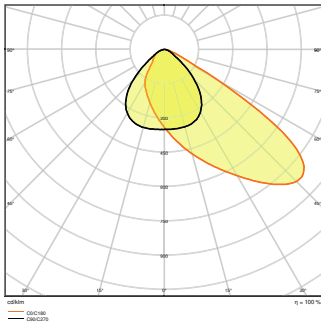
## TECHNICAL DATA

### Electrical data

|  |                       |
|--|-----------------------|
| Nominal wattage                          | 105.00 W              |
| Nominal voltage                          | 100...277 V           |
| Mains frequency                          | 50...60 Hz            |
| Nominal current                          | 529 mA                |
| Inrush current                           | 50 A                  |
| Inrush current time $T_{h50}$            | 1000 $\mu$ s          |
| Max. no. of lum. on circuit break. B16 A | 5                     |
| Max. no. of lum. on circuit break. C10 A | 8                     |
| Max. no. of lum. on circuit break. C16 A | 12                    |
| Power factor $\lambda$                   | < 0.90                |
| Total harmonic distortion                | < 20 %                |
| Protection class                         | I                     |
| Operating mode                           | Integrated LED driver |

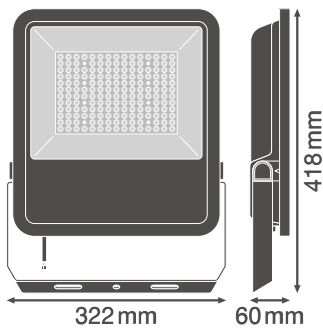
### Photometrical data

|  |                           |
|--|---------------------------|
| Luminous flux                                | 13750 lm                  |
| Luminous efficacy                            | 132 lm/W                  |
| Color temperature                            | 3000 K                    |
| Light color (designation)                    | Warm White                |
| Color rendering index Ra                     | $\geq 80$                 |
| Standard deviation of color matching         | $\leq 5$ sdc <sub>m</sub> |
| Luminous intensity                           | -                         |
| Low flicker                                  | Yes                       |
| Flickering metric (Pst LM)                   | -                         |
| Stroboscope effect metric (SVM)              | -                         |
| Photobiological safety group acc. to EN62778 | RG1                       |
| Photobiological safety group acc. to EN62471 | RG1                       |
| Beam angle                                   | 48° x 92°                 |



### Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 418.00 mm |
| Width          | 322.00 mm |
| Height         | 60.00 mm  |
| Product weight | 4800.00 g |
| Cable length   | 1000 mm   |



### Materials & Colors

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

## Application & Mounting

|  |                               |
|--|-------------------------------|
| Ambient temperature range              | -30...+50 °C                  |
| Temperature range at storage           | -40...+70 °C                  |
| Type of connection                     | Cable, 3-pole                 |
| Type of protection                     | IP65                          |
| Protection class IK (shock resistance) | IK08                          |
| Dimmable                               | No                            |
| Mounting type                          | Surface                       |
| Mounting location                      | Wall / Pole / Floor / Ceiling |
| Application environment                | Outdoor                       |
| Adjustable                             | Yes                           |
| LED module replaceable                 | Not replaceable               |
| With light source                      | Yes                           |

## Lifespan

|                            |         |
|----------------------------|---------|
| Lifespan L70/B50 at 25 °C  | 70000 h |
| Lifespan L80/B10 at 25 °C  | 50000 h |
| Lifespan L90/B10 at 25 °C  | 35000 h |
| Number of switching cycles | 100000  |

## Control gear

|                             |        |
|-----------------------------|--------|
| Output current              | 630 mA |
| ECG - Output ripple current | < 15 % |











## Certificates & Standards

|  |               |
|--|---------------|
| Standards  | CE / CB / EAC |
| Luminaire with limited surface temperature, "D sign" | Yes           |
| Ball shot safe                                       | No            |

## Safety advice

– Max. wind load surface 72 W = 0,083 m<sup>2</sup> / 105 W = 0,102 m<sup>2</sup> / 145 W = 0,124 m<sup>2</sup>

## DOWNLOAD DATA

| DOWNLOAD DATA   |  |
|---|--|
|     | User instruction                       |
|     | Addon Technical Information            |
|    | Tender documents                       |
|    | Tender documents                       |
|     | Declarations of conformity             |
|    | IES file (IES)                         |
|    | LDT file (Eulumdat)                    |
|    | R3D file (Relux 3D Model)              |
|     | M4D file (3D Model with rotation axis) |
|  | ULD file (DIALux)                      |

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075539754 | Shipping box<br>1            | 375 mm x 93 mm x 480 mm              | 5375.00 g    | 16.74 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.

### References / Links

- For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

### DISCLAIMER

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