

PRODUCT DATASHEET

FL AREA ASYM 48x92 72 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 mm² single wires

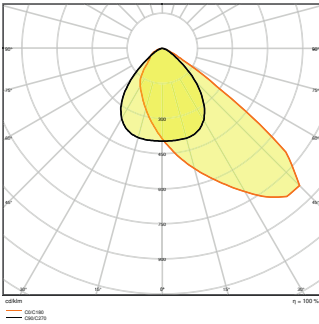
TECHNICAL DATA

Electrical data

| | |
|---|-----------------------|
| Nominal wattage | 72.00 W |
| Nominal voltage | 100...277 V |
| Mains frequency | 50...60 Hz |
| Nominal current | 380 mA |
| Inrush current | 13.9 A |
| Inrush current time T_{h50} | 202 μ s |
| Max. number of luminaires per miniature circuit breaker B16 | 22 |
| Max. number of luminaires per miniature circuit breaker C10 | 15 |
| Max. number of luminaires per miniature circuit breaker C16 | 25 |
| Power factor λ | < 0.90 |
| Total harmonic distortion | < 20 % |
| Protection class | I |
| Operating mode | Integrated LED driver |

Photometrical data

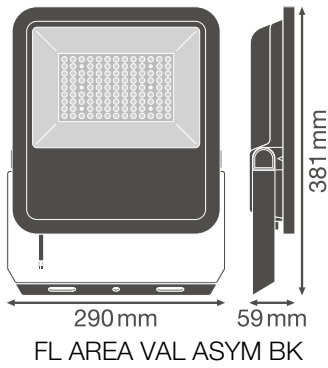
| | |
|--|---------------------------|
| Luminous flux | 9200 lm |
| Luminous efficacy | 129 lm/W |
| Color temperature | 3000 K |
| Light color (designation) | Warm White |
| Color rendering index Ra | \geq 80 |
| Standard deviation of color matching | \leq 5 sdc _m |
| Luminous intensity | - |
| Low 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° |



FL AREA 72W 830 ASYM 48X92
BK

Dimensions & Weight

| | |
|----------------|-----------|
| Length | 381.00 mm |
| Width | 290.00 mm |
| Height | 59.00 mm |
| Product weight | 3700.00 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 ¹⁾ |
| Lifespan L80/B10 at 25 °C | 50000 h ¹⁾ |
| Lifespan L90/B10 at 25 °C | 35000 h |
| Number of switching cycles | 100000 |

¹⁾ t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Control gear

| | |
|-----------------------------|--------|
| Output current | 840 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 m² / 105 W = 0,102 m² / 145 W = 0,124 m²

DOWNLOAD DATA

| Documents and certificates | | Document name |
|--|---------------------------------|------------------------------|
|  | User Instruction | UI Floodlight Area Asym MiCh |
|  | Addon Technical Information | LSI FL Area |
|  | Legal information | Legal Insert FL AREA |
|  | Declarations of conformity | FL AREA ASYM BK |
|  | Declarations Of Conformity UKCA | FL AREA ASYM |

| Photometric and lighting design files | | Document name |
|--|---------------------|-------------------------------|
|  | IES file (IES) | FL AREA 72W 830 ASYM 48X92 BK |
|  | LDT file (Eulumdat) | FL AREA 72W 830 ASYM 48X92 BK |
|  | ULD file (DIALux) | FL AREA 72W 830 ASYM 48X92 |
|  | ROLF file (RELUX) | L AREA 72W 830 ASYM |
|  | LDC typ polar | FL AREA 72W 830 ASYM 48X92 BK |

| CAD/BIM files | | Document name |
|--|--------------|-----------------|
|  | BIM_Revit_3D | Floodlight Area |
|  | CAD_STEP_3D | FL AREA 72W |

| Tender texts | | Document name |
|--|------------------|-----------------------------------|
|  | Tender documents | FLOODLIGHT AREA 72 W 3000 K BK-EN |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075539730 | Shipping box 1 | 343 mm x 92 mm x 443 mm | 4205.00 g | 13.98 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.

References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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