# PRODUCT DATASHEET
# FL FLEX DA P 250W 830 A55X120 WAL

FLOODLIGHT FLEX DALI ASYMMETRIC 55 X 120 | DALI D4i floodlight with wide beam, asymmetric light distribution for various applications



PERFOR-MANCE CLASS

## Areas of application

- Coastal areas, like ports
- General outdoor area lighting
- Parking
- Suitable for indoor and outdoor sports facilities
- Architectural lighting
- Industry
- Direct replacement for luminaires using HID lamps

## Product benefits

- Corrosion resistance C5: tested in environments with high salinity
- Serviceable luminaire: LED driver can be replaced
- Flexible application due to a range of different lumen packages and beam angles
- 3 cable entries for flexible use and easy connection between luminaires
- Integrated breather for preventing condensation inside the luminaire
- Energy savings of up to 91 % compared to halogen lamp floodlights
- Energy savings of up to 51 % compared to luminaires that use conventional discharge lamps
- No upper light output ratio (ULOR 0%) when mounted at 0° tilt
- Intelligent design of the water drain to prevent standing water
- Simple angle adjustment by locking every 2.5°
- Clear angular degree indication
- Key hole to ensure ease of installation

## Product features

- Corrosion resistance C5 based on 1,500 hours salt mist spray test
- High luminous efficacy: up to 156 lm/W
- DALI D4i drivers for smart city applications




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- Daisy chaining possible
- High surge protection: up to 10 kV (L/N-PE), 6 kV (L-N)
- High lifetime (L70/B50): up to 120,000 h (at 25 °C)
- Lumen packages up to 70000 lm
- Additional 2200 K color temperature version available


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# TECHNICAL DATA

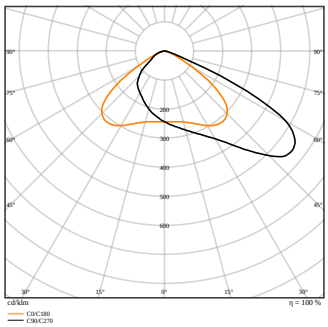
## Electrical data

| | |
|---|---|
| Nominal wattage | 250.00 W |
| Nominal voltage | 220…240 V |
| Mains frequency | 50…60 Hz |
| Nominal current | 1110.000 mA |
| Inrush current | 58 A |
| Inrush current time $T_{h50}$ | 500 µs |
| Max. number of luminaires per miniature circuit breaker B16 | 4 |
| Max. number of luminaires per miniature circuit breaker C10 | 4 |
| Max. number of luminaires per miniature circuit breaker C16 | 7 |
| Power factor λ | > 0.96 |
| Maximum total harmonic distortion | < 20 % |
| Protection class | I |
| Surge capability (L-N) | 6 kV |
| Surge capability (L/N-Ground) | 10 kV |
| Operating mode | Integrated LED driver |
| Dimming interface | DALI-2 / DALI D4i / IoT |

## Photometrical data

| | |
|---|---|
| Luminous flux | 37000 lm |
| Luminous efficacy | 148 lm/W |
| Color temperature | 3000 K |
| Light color (designation) | Warm White |
| Color rendering index Ra | > 80 |
| Standard deviation of color matching | 5 sdcm |
| Luminous intensity | 22646 cd |
| Low flicker | Yes |
| Flickering metric (Pst LM) | <1 |
| Stroboscope effect metric (SVM) | <0.4 |
| Photobiological safety group acc. to EN62778 | RG0 |
| Photobiological safety group acc. to EN62471 | RG0 |
| Beam angle | 55 ° x 120 ° |

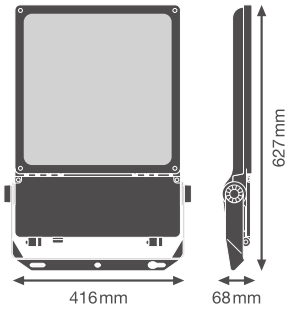

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FL FLEX DA P 250W 830 A55X120 WAL LEDV

## Dimensions & Weight

| | |
|---|---|
| Length | 627.00 mm |
| Width | 416.00 mm |
| Height | 68.00 mm |
| Product weight | 8300.00 g |




FL FLEX P WAL

## Materials & Colors

| | |
|---|---|
| Product color | White aluminum |
| Housing color | White aluminum |
| RAL Color (most similar) | RAL 9006 |
| Body material | Aluminum |
| Cover material | Glass |
| Light emitting surface material | Glass |


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| | |
|---|---|
| Glow Wire Test according to IEC 60695-2-12 | 850 °C |
| Mercury content | 0.0 mg |

## Application & Mounting

| | |
|---|---|
| Ambient temperature range | -30…+50 °C |
| Temperature range at storage | -30…+80 °C |
| Type of connection | Screwless terminal |
| Type of protection | IP66 |
| Protection class IK (shock resistance) | IK08 |
| Corrosion resistance class acc. to EN 12944 | C5 High |
| Dimmable | Yes |
| Type of dimming | DALI D4i |
| Dimming range | 5…100 % |
| IoT ready | Support of DALI data type PART 251, 252, 253 [1)] |
| Mounting type | Surface |
| Mounting location | Wall / Pole / Floor / Ceiling |
| Application environment | Outdoor |
| Mechanically adjustable | Yes |
| With light source | Yes |
| Replaceable light source | No |

1) Internet of Things. Supports data transfer via gateway to cloud-based monitoring platforms, such as LEDVANCE VIVARES Cloud

## Lifespan

| | |
|---|---|
| Lifespan L70/B50 at 25 °C | 120000 h [1)] |
| Lifespan L80/B10 at 25 °C | 100000 h [1)] |
| Lifespan L80/B50 at 25 °C | 100000 h |
| Lifespan L90/B10 at 25 °C | 50000 h [1)] |
| 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 | 6700 mA |
| Output ripple current (100 Hz) | < 10 % |

## Certificates & Standards

| | |
|---|---|
| Standards | CE / CB / ENEC / UKCA / EPD |
| Luminaire with limited surface temperature, "D sign" | Yes |


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| | |
|---|---|
| Ball shot safe | Yes |
| EPD | LEDV-00046-V01.01-EN |
| Replaceable light source (EPREL) | Not replaceable |

## Additional product data

| | |
|---|---|
| Added function | VIVARES |

## Accessories Optional

| Product image | Product name | EAN |
|---|---|---|
|  | FL TRAVERSE 1/2 42/60/76MM | 4099854680038 |
|  | FL FLEX ADAPTER SOCKET ZHAGA | 4099854680076 |
|  | FL FLEX ADAPTER SOCKET NEMA | 4099854680113 |

## Components for light control

| Components Light Control |
|---|

| Product image | Product name | EAN |
|---|---|---|
|  | MANUAL CONTROL UNIT GROUP DALI-2 TW | 4099854748691 |
|  | MANUAL CONTROL UNIT SELECT DALI-2 | 4058075837485 |
|  | MANUAL CONTROL UNIT SELECT DALI-2 TW | 4058075837508 |
|  | MANUAL CONTROL UNIT SELECT DALI-2 EXCHANGEABLE COVER TW | 4058075837522 |


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| Product image | Product name | EAN |
|---|---|---|
|  | MANUAL CONTROL UNIT TOUCH DALI-2 TW | 4058075837560 |
|  | MANUAL CONTROL UNIT TOUCH DALI-2 | 4058075837546 |
|  | PUSH CONTROL UNIT FLUSH MOUNT DALI-2 TW | 4058075837584 |
|  | PUSH CONTROL UNIT FM DALI-2 DIM | 4099854846922 |
|  | SURFACE MOUNT FRAME | 4058075843561 |
|  | PUSHBUTTON COUPLER DALI-2 | 4058075837607 |
|  | FLEX CONTROL UNIT IOT DALI-2 HCL TW | 4058075841888 |
|  | FLEX CONTROL UNIT FLUSH MOUNT DALI-2 TW | 4058075841901 |
|  | FLEX CONTROL UNIT DALI-2 TW | 4058075843844 |
|  | FLEX CONTROL UNIT REAL-TIME-CLOCK DALI-2 HCL TW | 4058075841925 |
|  | SENSOR DALI-2 LIGHT/PRESENCE-6 INFRARED CEILING INTEGRATION | 4058075837621 |


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| Product image | Product name | EAN |
|---|---|---|
|  | SENSOR CEILING MOUNTING KIT LIGHT/PRESENCE-6 | 4099854748714 |
|  | SENSOR DALI-2 LIGHT/PRESENCE-8 INFRARED CEILING INTEGRATION | 4058075841949 |
|  | SENSOR DALI-2 LIGHT/PRESENCE-40X5 INFRARED CEILING INTEGRATION | 4058075843868 |
|  | SENSOR DALI-2 LIGHT/PRESENCE-24 INFRARED CEILING MOUNTING | 4058075843882 |
|  | HIGHBAY SENSOR DALI-2 LIGHT/PRESENCE -21 INFRARED CEILING MOUNTING | 4058075857537 |
|  | DALI sensors -8 IR CI, -40X5 IR CI, -24 IR CM, -21 IR CM | 4058075843905 |
|  | RELAY DALI-2 RAIL MOUNTING | 4099854709159 |
|  | RELAY DALI-2 CEILING MOUNTING | 4099854709135 |
|  | REPEATER DALI-2 RAIL MOUNTING | 4099854709111 |
|  | REPEATER DALI-2 CEILING MOUNTING | 4099854709098 |

## EQUIPMENT / ACCESSORIES

- Delivery without cables
- Second cable gland included
- 2 rubber inserts for 6,5 - 7,5 mm cables included


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## DOWNLOAD DATA

| | Documents and certificates | Document name |
|---|---|---|
| PDF | User instruction / safety instructions | FL FLEX P DALI |
| PDF | Legal information | Informationstext 18 Abs 4 ElektroG |
| PDF | Legal information | Safety Insert G11205497 |
| PDF | Legal information | LSI FL FLEX DALI |
| PDF | Legal information | FL FLEX DA P |
| PDF | Declarations of conformity | CE FL FLEX P |
| PDF | Declarations of conformity UKCA | UKCA FL FLEX P |
| PDF | Certificates | ENEC FL FLEX P |
| PDF | EU Data Act | DALI LED Driver and Luminaires |
| PDF | EPD | EPD EN FLOODLIGHT FLEX DALI |

| | Photometric and lighting design files | Document name |
|---|---|---|
| IES | IES file (IES) | FL FLEX DA P 250W 830 A55X120 WAL LEDV |
| LDT | LDT file (Eulumdat) | FL FLEX DA P 250W 830 A55X120 WAL LEDV |
| ULD | ULD file (DIALux) | FL FLEX DA P 250W 830 A55X120 WAL |
| ROLF | ROLF file (RELUX) | FL FLEX DA P 250W 830 A55X120 WAL |
| | Light distribution curve type polar | FL FLEX DA P 250W 830 A55X120 WAL LEDV |

| | CAD/BIM files | Document name |
|---|---|---|
| RFA | BIM Revit 3D | Floodlight Flex |


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| | CAD/BIM files | Document name |
|---|---|---|
| | CAD STEP 3D | FL FLEX 250W |

| | Tender texts | Document name |
|---|---|---|
| | Tender documents | FLOODLIGHT FLEX DALI ASYMMETRIC 55 X 120 250W 830 A55X120 WAL-en |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4099854373718 | Shipping box<br>1 | 707 mm x 457 mm x 119 mm | 10022.00 g | 38.45 $dm^3$ |

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

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