PRODUCT DATASHEET
FL FLEX DA P 250W 830 A45X140 WAL

FLOODLIGHT FLEX DALI ASYMMETRIC 45 X 140 | DALI D4i floodlight with very wide beam, asymmetric light distribution for area lighting

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

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- 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
- 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
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 / 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
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	45 ° x 140 °

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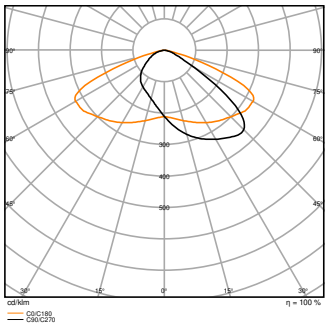
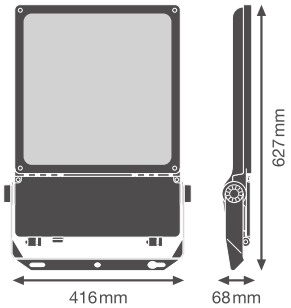


FL FLEX DA P 250W 830 A45X140 WAL LEDV

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
Body material	Aluminum
Cover material	Glass
Light emitting surface material	Glass
Glow Wire Test according to IEC 60695-2-12	850 °C

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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
Dimmable	Yes
Type of dimming	DALI D4i
IoT ready	Support of DALI data type PART 251, 252, 253 [1)]
Mounting type	Surface
Mounting location	Wall / Pole / Floor / Ceiling
Application environment	Outdoor
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
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
ECG - Output ripple current	< 10 %

Certificates & Standards

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

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Additional product data

Added function	VIVARES

EQUIPMENT / ACCESSORIES

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

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	Legal insert G11231557
PDF	Declarations of conformity	CE FL FLEX P
PDF	Declarations of conformity UKCA	UKCA FL FLEX P
PDF	Certificates	ENEC FL FLEX P

	Photometric and lighting design files	Document name
IES	IES file (IES)	FL FLEX DA P 250W 830 A45X140 WAL LEDV
LDT	LDT file (Eulumdat)	FL FLEX DA P 250W 830 A45X140 WAL LEDV
ULD	ULD file (DIALux)	FL FLEX DA P 250W 830 A45X140 WAL
ROLF	ROLF file (RELUX)	FL FLEX DA P 250W 830 A45X140 WAL
	Light distribution curve type polar	FL FLEX DA P 250W 830 A45X140 WAL LEDV

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	CAD/BIM files	Document name
	BIM Revit 3D	Floodlight Flex
	CAD STEP 3D	FL FLEX 250W

	Tender texts	Document name
	Tender documents	FLOODLIGHT FLEX DALI ASYMMETRIC 45 X 140 250W 830 A45X140 WAL-en

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854373701	Shipping box 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

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

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