

PRODUCT DATASHEET

FL PFM DA ASYM 55X110 290W 3000K BK

FLOODLIGHT PERFORMANCE DALI ASYM 55x110 | DALI 2.0 based floodlight with wide beam, asymmetric light distribution for various application areas



Areas of application

- Direct replacement for luminaires using HID lamps
- Outdoor use (IP66)
- Parking
- Public areas
- Industry
- Sports facilities
- Architectural lighting
- D-sign according to EN 60598-2-24 for fire-risk commercial unit, e.g. by accumulation of dust

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
- Bright, robust and durable
- Homogeneous luminance distribution and reduced glare
- No upper light output ratio (ULOR 0%) when mounted at 0° tilt
- Key hole to ensure ease of installation
- 5 years guarantee

Product features

- DALI 2.0 interface for light management system integration
- High luminous efficacy: up to 140 lm/W
- Asymmetric light distribution for various application areas
- Angled (45°) mounting bracket and up to 180° tilting
- High surge protection: up to 10 kV (L/N-PE), 6 kV (L-N)



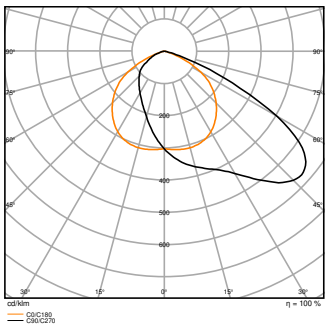
- Integrated breather for preventing condensation inside the luminaire
- Connection via 2 m cable, wiring required
- Type of protection: IP66
- Impact resistance: IK08
- Ambient temperature in operation: -30...+50 °C

TECHNICAL DATA**Electrical data**

Nominal wattage	290.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	1420.000 mA
Inrush current	110 A
Inrush current time T_{h50}	500 μ s
Max. number of luminaires per miniature circuit breaker B16	2
Max. number of luminaires per miniature circuit breaker C10	2
Max. number of luminaires per miniature circuit breaker C16	3
Power factor λ	> 0.90
Total harmonic distortion	< 10 %
Protection class	I
Operating mode	Integrated LED driver
Dimming interface	DALI-2

Photometrical data

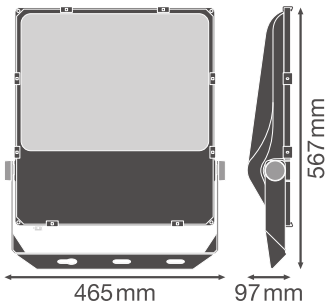
Luminous flux	35600 lm
Luminous efficacy	122 lm/W
Color temperature	3000 K
Light color (designation)	Warm white
Color rendering index Ra	> 80
Standard deviation of color matching	≤ 5 sdc _m
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	55 ° x 110 °



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Dimensions & Weight

Length	567.00 mm
Width	465.00 mm
Height	97.00 mm
Product weight	9300.00 g
Cable length	2000 mm



FL PFM 290W BK

Materials & Colors

Product color	Black
Housing color	Black
RAL Color (most similar)	RAL 9017
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, 5-pole
Type of protection	IP66
Protection class IK (shock resistance)	IK08
Dimmable	Yes
Type of dimming	DALI
Mounting type	Surface
Mounting location	Wall / Pole / Floor / Ceiling
Application environment	Outdoor
Adjustable	Yes
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	100000 h ¹⁾
Lifespan L80/B10 at 25 °C	70000 h ¹⁾
Lifespan L80/B50 at 25 °C	70000 h
Lifespan L90/B10 at 25 °C	30000 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

ECG - Output ripple current	< 10 %
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Certificates & Standards

Standards	CE / CB / ENEC / TÜV SÜD / UKCA / EAC
Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	Yes
Replaceable light source (EPREL)	Not replaceable

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	FLOODLIGHT PERFORMANCE DALI
	Legal information	LSI Floodlight PFM DALI
	Legal information	Legal Insert FL PFM DA
	Legal information	Informationstext 18 Abs 4 ElektroG
	Declarations of conformity	CE Declaration of Conformity FLOODLIGHT PFM DA BK
	Declarations of conformity UKCA	UKCA Declaration of Conformity FLOODLIGHT PFM DA BK
	Declarations of conformity UKCA	FL PFM DA BK
	Certificates	FL PFM DA
	EU Data Act	DALI LED Driver and Luminaires
Photometric and lighting design files		Document name
	IES file (IES)	FL PFM DA 290W 3000K ASYM 55X110 BK
	LDT file (Eulumdat)	FL PFM DA 290W 3000K ASYM 55X110 BK
	ULD file (DIALux)	FL PFM DA 290W 3000K ASYM
	ROLF file (RELUX)	FL PFM DA 290W 3000K ASYM
	Light distribution curve type polar	FL PFM DA 290W 3000K ASYM 55X110 BK
CAD/BIM files		Document name
	BIM Revit 3D	FL PFM
	CAD STEP 3D	FL PFM 290W

