PRODUCT DATASHEET
FL PFM DA SYM 60 290W 4000K BK

FLOODLIGHT PERFORMANCE DALI SYM 60 | DALI 2.0 based floodlight with symmetric light distribution for medium to high mast area lighting

Areas of application

- Direct replacement for luminaires using HID lamps
- Outdoor use (IP66)
- Parking
- Public areas
- Industry
- Sports facilities
- Lighting of large areas
- 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
- Symmetric light distribution for medium to high mast area lighting
- Angled (45°) mounting bracket and up to 180° tilting
- High surge protection: up to 10 kV (L/N-PE), 6 kV (L-N)

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- 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

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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 µs
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	40600 lm
Luminous efficacy	140 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	≤5 sdcm
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	60 ° x 60 °

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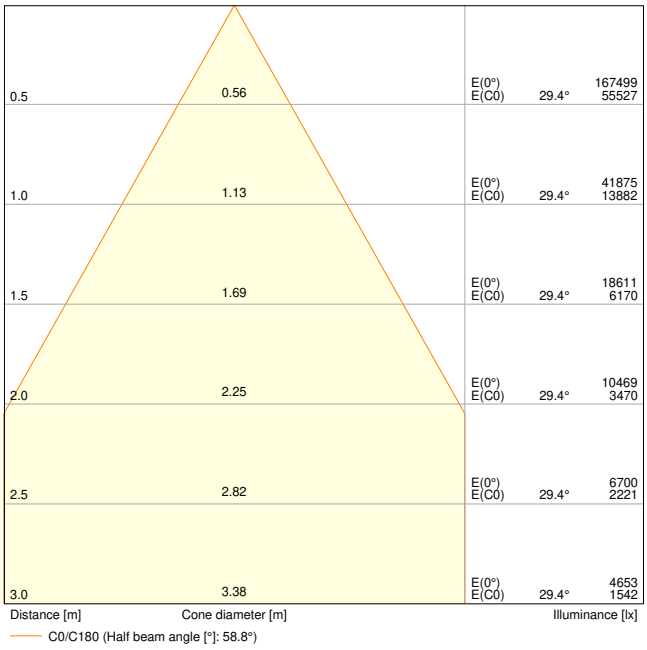

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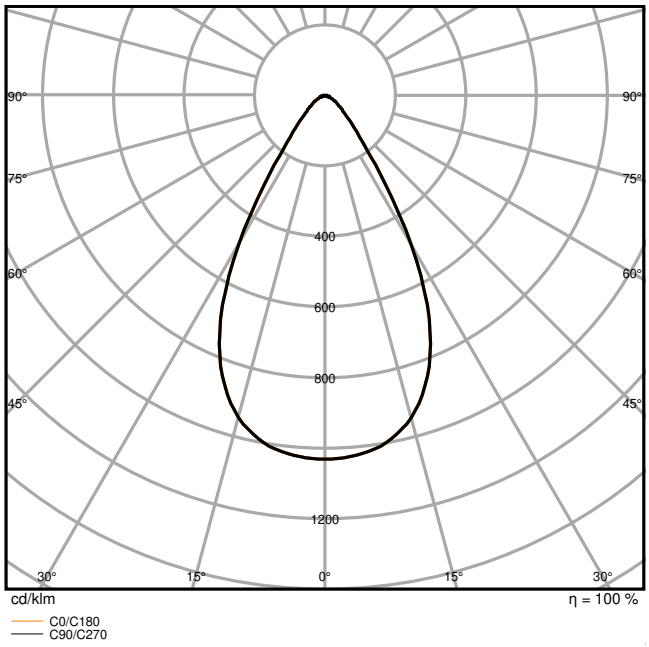
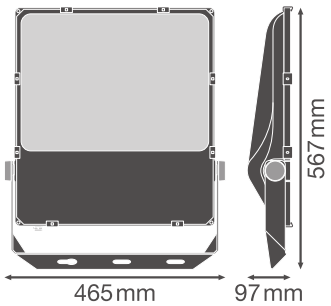


FL PFM DA 290W 4000K SYM 60 BK

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

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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, 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 %

Certificates & Standards

Standards	CE / CB / ENEC / TÜV SÜD / UKCA / EAC

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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
PDF	User instruction / safety instructions	FLOODLIGHT PERFORMANCE DALI
PDF	Legal information	LSI Floodlight PFM DALI
PDF	Legal information	Legal Insert FL PFM DA
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	CE Declaration of Conformity FLOODLIGHT PFM DA BK
PDF	Declarations of conformity UKCA	UKCA Declaration of Conformity FLOODLIGHT PFM DA BK
PDF	Declarations of conformity UKCA	FL PFM DA BK
PDF	Certificates	FL PFM DA

	Photometric and lighting design files	Document name
IES	IES file (IES)	FL PFM DA 290W 4000K SYM 60 BK
LDT	LDT file (Eulumdat)	FL PFM DA 290W 4000K SYM 60 BK
ULD	ULD file (DIALux)	FL PFM DA 290W 4000K SYM
ROLF	ROLF file (RELUX)	FL PFM DA 290W 4000K SYM
	UGR file (UGR table)	FL PFM DA 290W 4000K SYM 60 BK
	Light distribution curve type cone	FL PFM DA 290W 4000K SYM 60 BK
	Light distribution curve type polar	FL PFM DA 290W 4000K SYM 60 BK

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	CAD/BIM files	Document name
	BIM Revit 3D	FL PFM
	CAD STEP 3D	FL PFM 290W

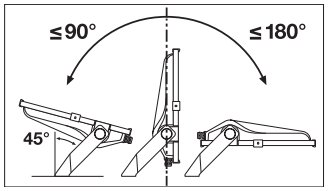
	Tender texts	Document name
	Tender documents	FLOODLIGHT PERFORMANCE DALI SYM 60 290W 4000K BK-EN

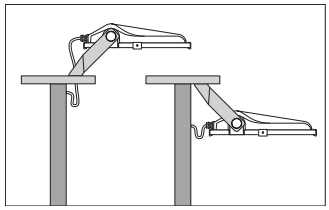
LOGISTICAL DATA

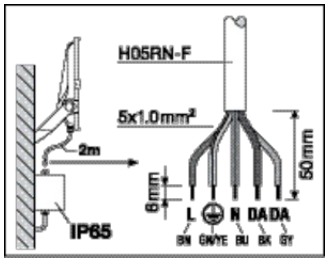
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075760868	Shipping box 1	652 mm x 160 mm x 510 mm	10258.00 g	53.20 dm^3

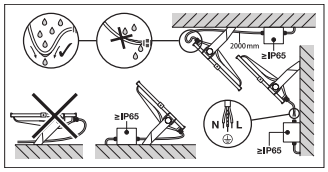
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION









References / Links

– For Guarantee see www.ledvance.com/guarantee

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