PRODUCT DATASHEET
FL PFM 50 W 6500 K SYM 100 WT

FLOODLIGHT 50 W | Versatile floodlight with up to 6000 lm light output



Areas of application

- Replacement for floodlights with halogen lamps
- Outdoor use (IP65)
- Public areas
- Building facades
- Construction areas
- Gardens, balconies and other outdoor areas

Product benefits

- Bright, robust and durable
- Safe and very uniform illumination, due to frosted and tempered glass diffuser
- No upper light output ratio (ULOR 0%) when mounted at 0° tilt
- Energy savings of up to 90 % compared to halogen lamp floodlights
- 5 years guarantee

Product features

- Reflector-based, symmetric light distribution with 100° x 100° beam angle
- Integrated wide voltage driver, suitable for 100 - 277 V_{AC}
- Surge protection: up to 4 kV (L/N-PE), 2 kV (L-N)
- Mounting bracket with 30° angle and wide rotation area
- Breather membrane to optimize air exchange, without compromising IP protection
- Pre-installed, flexible 1 m cable (H05RN-F), wrapped 3 x 1.0 mm^2 single wires

© 2022, LEDVANCE GmbH. All rights reserved.

TECHNICAL DATA

Electrical data

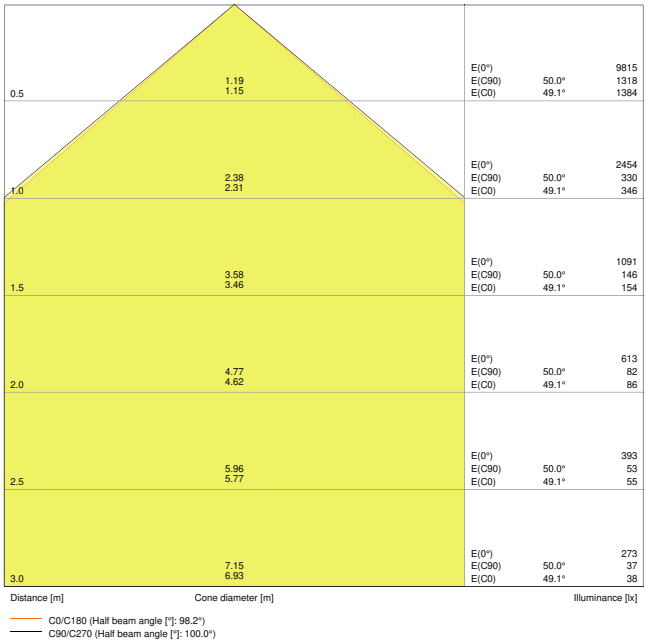
Nominal wattage	50.00 W
Nominal voltage	100...277 V
Mains frequency	50...60 Hz
Nominal current	236 mA
Inrush current	9.9 A
Inrush current time T_{h50}	51 µs
Max. no. of lum. on circuit break. B16 A	38
Max. no. of lum. on circuit break. C10 A	28
Max. no. of lum. on circuit break. C16 A	44
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

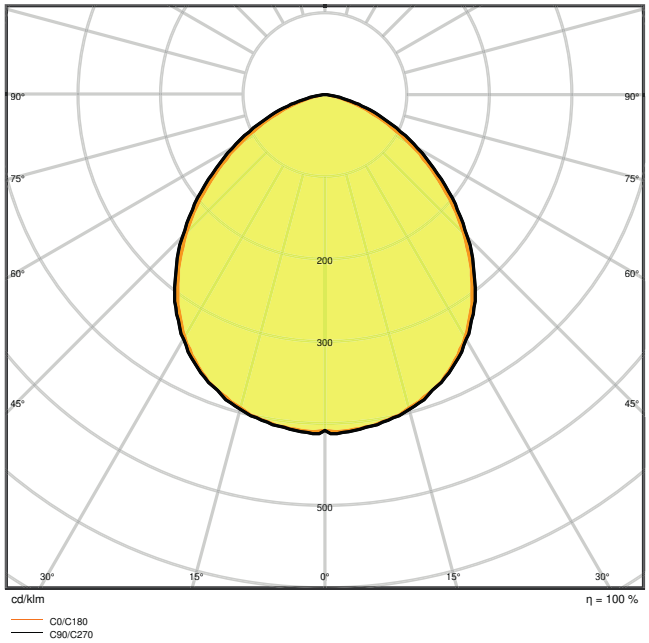
Luminous flux	6000 lm
Luminous efficacy	120 lm/W
Color temperature	6500 K
Light color (designation)	Cool Daylight
Color rendering index Ra	≥80
Standard deviation of color matching	≤5 sdcm
Luminous intensity	-
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	100 ° x 100 °



© 2022, LEDVANCE GmbH. All rights reserved.



LDC typ cone

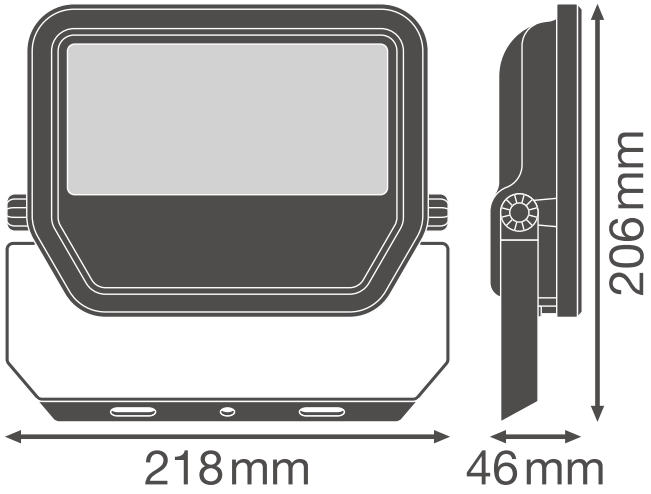


LDC typ polar

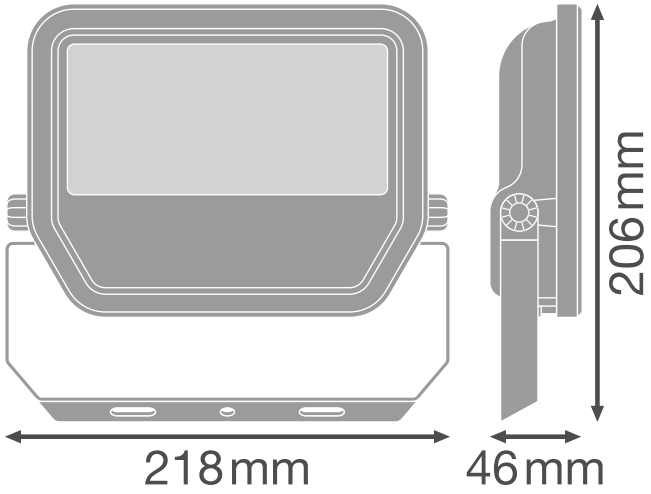
Dimensions & Weight

Length	206.00 mm
Width	218.00 mm
Height	46.00 mm
Product weight	1000.00 g
Cable length	1000 mm

© 2022, LEDVANCE GmbH. All rights reserved.



Product line drawing with numbers



Product line drawing with numbers

Materials & Colors

Product color	White
Housing color	White
Body material	Aluminum
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)	IK07
Dimmable	No
Mounting type	Surface
Mounting location	Wall / Ceiling / Floor
Application environment	Outdoor
Adjustable	Yes
LED module replaceable	Not replaceable



© 2022, LEDVANCE GmbH. All rights reserved.

With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	70000 h
Lifespan L80/B10 at 25 °C	55000 h
Lifespan L90/B10 at 25 °C	35000 h
Number of switching cycles	100000

Control gear

Output current	460 mA
ECG - Output ripple current	< 50 %

Certificates & Standards

Standards	CE / CB / ENEC / EAC / RoHS
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No

DOWNLOAD DATA

	DOWNLOAD DATA
PDF	User instruction
PDF	User instruction
PDF	Addon Technical Information
PDF	Addon Technical Information
PDF	Addon Technical Information
	Tender documents
	Tender documents
PDF	Declarations of conformity
	IES file (IES)



© 2022, LEDVANCE GmbH. All rights reserved.

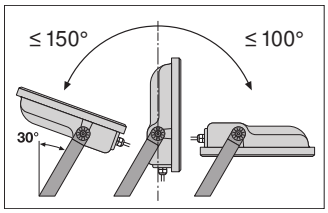
	DOWNLOAD DATA
	LDT file (Eulumdat)
	R3D file (Relux 3D Model)
	M4D file (3D Model with rotation axis)
	ULD file (DIALux)
	UGR file (UGR table)
PDF	Packaging insert
PDF	Packaging insert

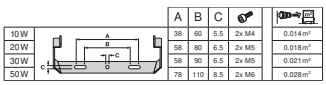
LOGISTICAL DATA

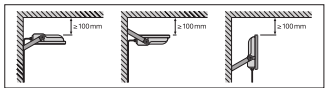
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075421332	Shipping box 8	462 mm x 284 mm x 207 mm	9480.00 g	27.16 dm³

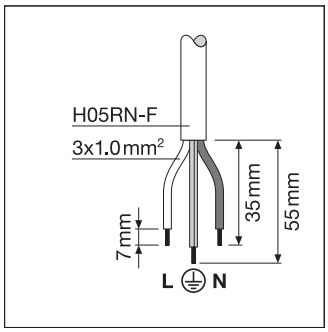
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION









References / Links

- For Guarantee see www.ledvance.com/guarantee



© 2022, LEDVANCE GmbH. All rights reserved.

DISCLAIMER

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



© 2022, LEDVANCE GmbH. All rights reserved.