

PRODUCT DATASHEET

FL PFM 20 W 6500 K SYM 100 BK

FLOODLIGHT 20 W | Versatile floodlight with up to 2400 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
- Pre-installed, flexible 1 m cable (H05RN-F), wrapped 3 x 1.0 mm² single wires



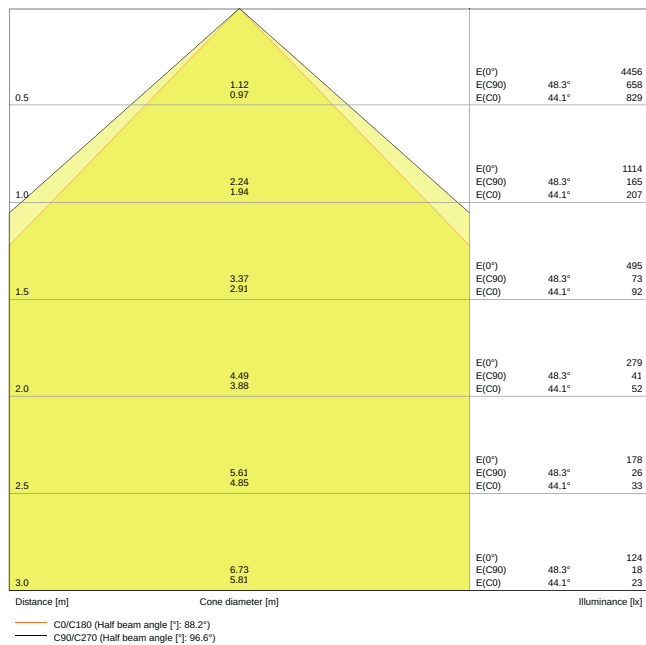
TECHNICAL DATA

Electrical data

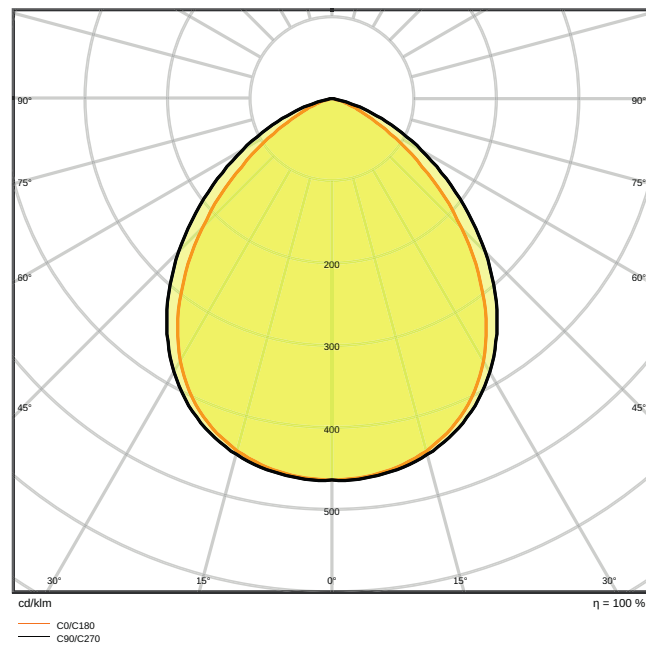
Nominal wattage	20.00 W
Nominal voltage	100...277 V
Mains frequency	50...60 Hz
Nominal current	98 mA
Inrush current	5.68 A
Inrush current time T_{H50}	35 μ s
Max. no. of lum. on circuit break. B16 A	93
Max. no. of lum. on circuit break. C10 A	67
Max. no. of lum. on circuit break. C16 A	108
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	2400 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 sdc _m
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 °



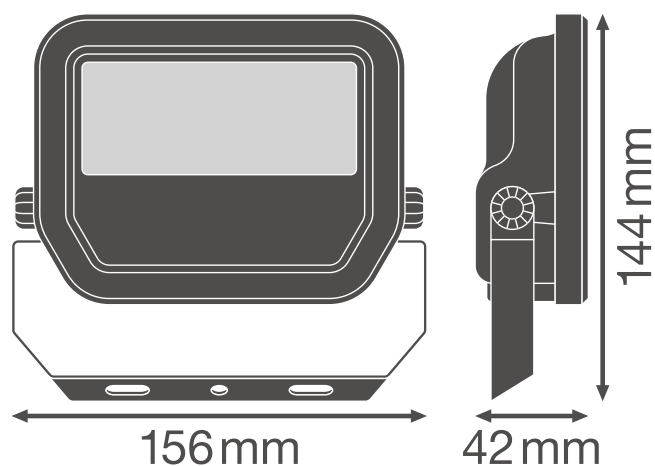
LDC typ cone



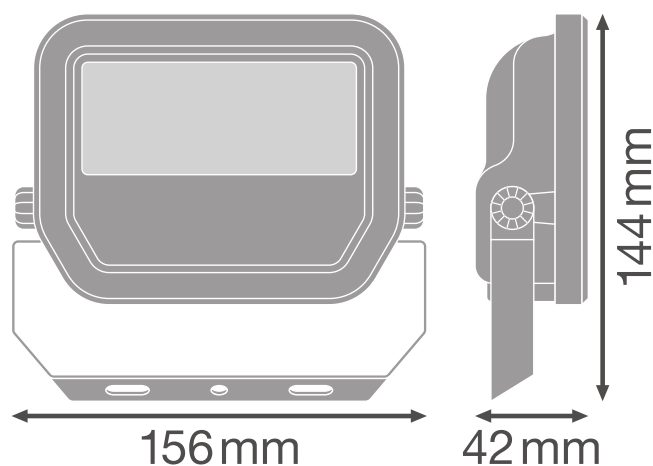
LDC typ polar

Dimensions & Weight

Diameter	- mm
Length	144.00 mm
Width	156.00 mm
Height	42.00 mm
Product weight	520.00 g
Cable length	1000 mm



Product line drawing with numbers



Product line drawing with numbers

Materials & Colors

Product color	Black
Housing color	Black
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
Mounting length	- mm
Mounting width	- mm
Mounting diameter	- mm
Adjustable	Yes

LED module replaceable	Not replaceable
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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

ECG - Output ripple current	< 50 %
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Certificates & Standards

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

Additional product data

Product remark	Available from July 2020
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DOWNLOAD DATA

DOWNLOAD DATA	
	User instruction FLOODLIGHT
	Tender documents Tender Text 4058075421059
	Declarations of conformity FL PFM
	IES file (IES) FL PFM 20W6500K SYM 100 BK
	LDT file (Eulumdat) FL PFM 20W6500K SYM 100 BK
	R3D file (Relux 3D Model) FL PFM 20W
	M4D file (3D Model with rotation axis) FL PFM 20W
	UGR file (UGR table) FL PFM 20W6500K SYM 100 BK

DOWNLOAD DATA



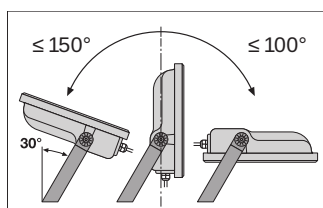
Packaging insert
Legal insert

LOGISTICAL DATA

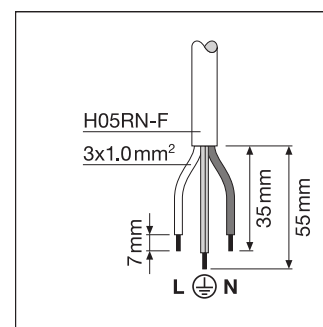
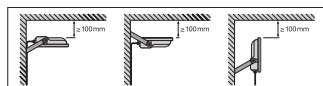
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075421059	Folding box 1	161 mm x 62 mm x 135 mm	572.00 g	1.35 dm ³
4058075421066	Shipping box 12	396 mm x 336 mm x 161 mm	7510.00 g	21.42 dm ³

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



	A	B	C		
30W	58	60	5.5	2x M4	0.014m ²
20W	58	80	5.5	2x M5	0.018m ²
30W	58	90	5.5	2x M5	0.021m ²
50W	78	110	8.5	2x M5	0.028m ²



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.