PRODUCT DATASHEET
FL PFM 20 W 3000 K SYM 100 BK

FLOODLIGHT 20 W | Versatile floodlight with 20 W power consumption

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 mm^2 single wires

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TECHNICAL DATA

Electrical data

Nominal wattage	20.00 W
Operating mode	Integrated LED driver
Nominal voltage	100...277 V
Power factor λ	> 0.90
Mains frequency	50/60 Hz
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
Inrush current	5.68 A
Nominal current	0.098 A
Total harmonic distortion	< 20 %
Inrush current time T_{h50}	35 µs

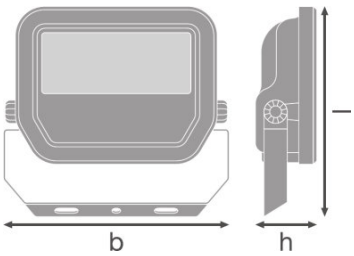
Photometrical data

Color temperature	3000 K
Luminous flux	2200 lm
Luminous efficacy	110 lm/W
Standard deviation of color matching	≤5 sdcm
Light color (designation)	Warm White
Color rendering index Ra	≥80

Light technical data

Beam angle	100 ° x 100 °

Dimensions & weight



Length	144.0 mm
Width	156.0 mm

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Height	42.0 mm
Product weight	520.00 g
Cable length	1000 mm

Colors & materials

Body material	Aluminum
Product color	Black
Housing color	Black

Temperatures & operating conditions

Ambient temperature range	-30…+50 °C

Lifespan

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

Additional product data

Mounting type	Surface
Mounting location	Wall / Ceiling / Floor
Product remark	Available from July 2020

Capabilities

Adjustable	Yes
Dimmable	No
Type of connection	Cable, 3-pole
LED module replaceable	Not replaceable

Certificates & standards

Protection class IK (shock resistance)	IK07
Glow Wire Test according to IEC 60695-2-12	650 °C
Photobiological safety group EN62778	RG 1
Photobio. safety group acc. to EN62471	RG 1
Protection class	I
Type of protection	IP65
Luminaire with limited surface temperature, class "D“	No
Standards	CE/CB/ENEC/EAC/RoHS

Logistical data

Temperature range at storage	-40…+70 °C

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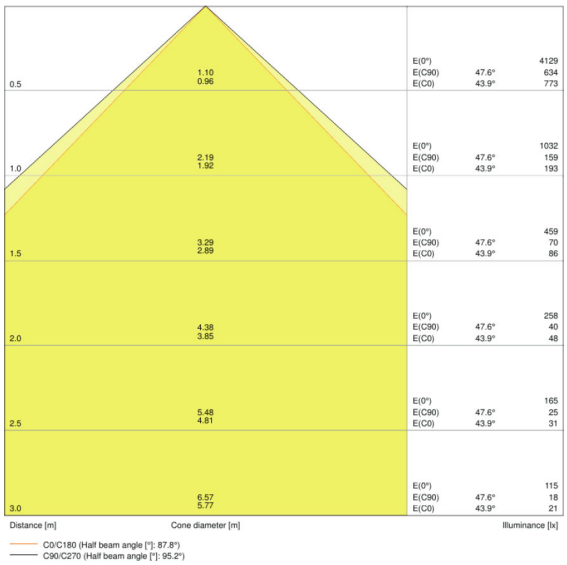
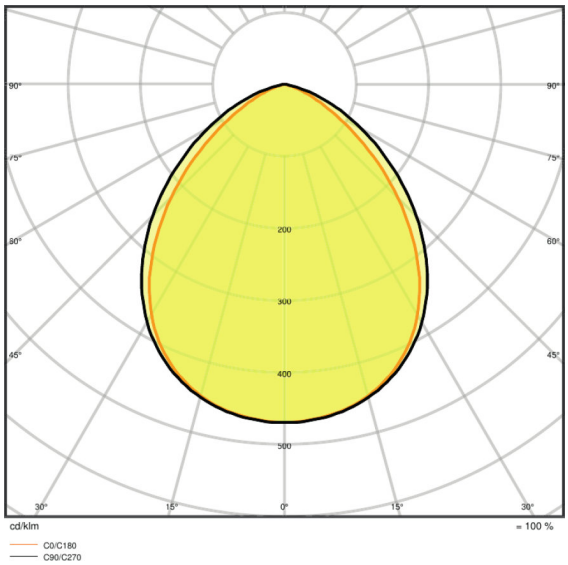
Light Distribution



LDC typ cone



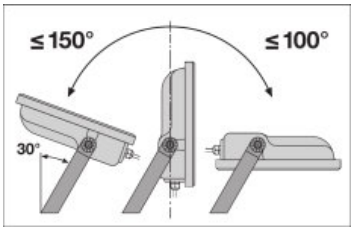
LDC typ polar

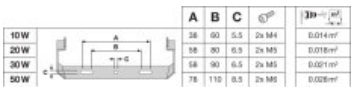
LOGISTICAL DATA

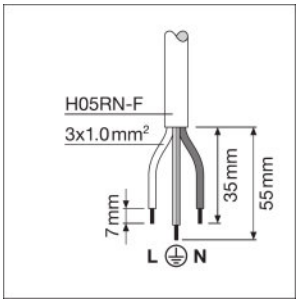
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075420960	Folding carton box 1	161 mm x 62 mm x 135 mm	572.00 g	1.35 dm³
4058075420977	Shipping carton box 12	396 mm x 336 mm x 161 mm	7510.00 g	21.42 dm³

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







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REFERENCES / LINKS

For Guarantee see

- www.ledvance.com/guarantee

DISCLAIMER

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