PRODUCT DATASHEET
FL PFM 200 W 3000 K SYM 100 BK

FLOODLIGHT 200 W | Versatile floodlight with up to 25000 lm light output

Areas of application

– Replacement for floodlights with halogen lamps
– Outdoor use (IP65)
– Industry
– Public areas
– Construction areas
– Building facades

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 6 kV (L/N-PE), 4 kV (L-N)
– Mounting bracket with 30° angle and wide rotation area
– Breather membrane to optimize air exchange, without compromising IP protection
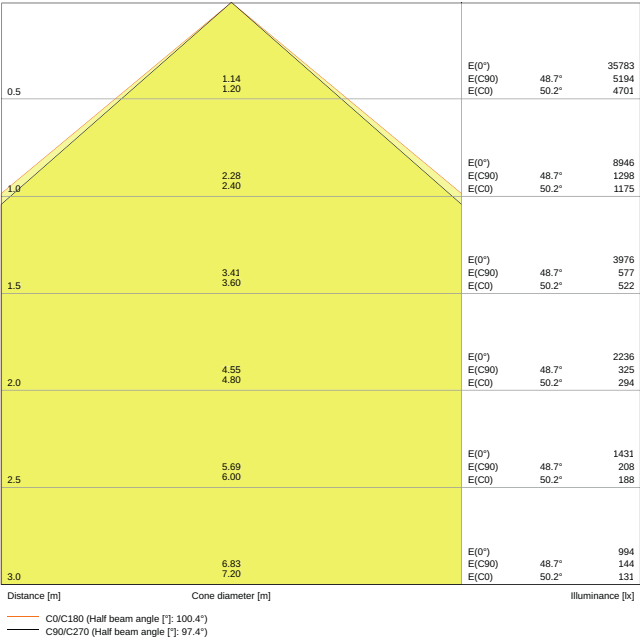– Pre-installed, flexible 1 m cable (H05RN-F), wrapped 3 x 1.0 mm² single wires
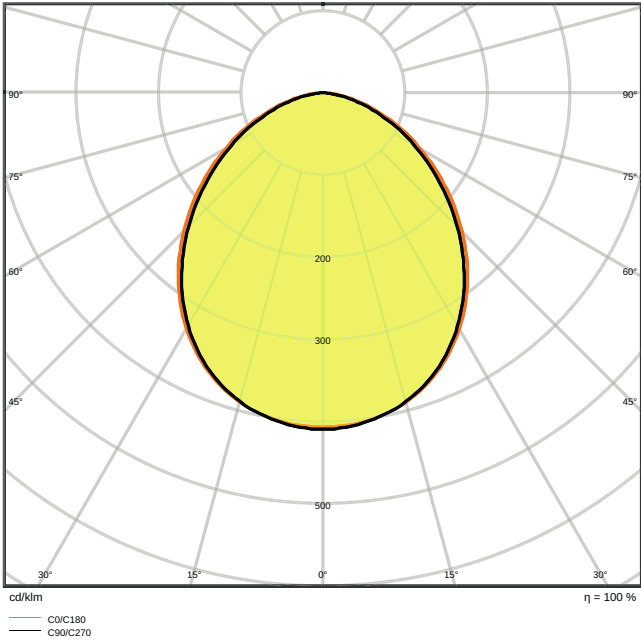
TECHNICAL DATA

Electrical data

Nominal wattage	200.00 W
Nominal voltage	100...277 V
Mains frequency	50...60 Hz
Nominal current	1000 mA
Inrush current	80 A
Inrush current time T_{h50}	1000 μs
Max. no. of lum. on circuit break. B16 A	3
Max. no. of lum. on circuit break. C10 A	5
Max. no. of lum. on circuit break. C16 A	8
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

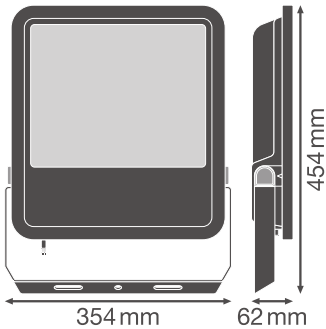|	
Luminous flux	22000 lm
Luminous efficacy	110 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	≥80
Standard deviation of color matching	≤5 sdcm
Luminous intensity	-
Low flicker	Yes
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	100 ° x 100 °

E(0°)		35783
E(C90)	48.7°	5194
E(C0)	50.2°	4701
E(0°)		8946
E(C90)	48.7°	1298
E(C0)	50.2°	1175
E(0°)		3976
E(C90)	48.7°	577
E(C0)	50.2°	522
E(0°)		2236
E(C90)	48.7°	325
E(C0)	50.2°	294
E(0°)		1431
E(C90)	48.7°	208
E(C0)	50.2°	188
E(0°)		994
E(C90)	48.7°	144
E(C0)	50.2°	131

Distance [m]   Cone diameter [m]   Illuminance [lx]

— C0/C180 (Half beam angle [°]: 100.4°)
— C90/C270 (Half beam angle [°]: 97.4°)

LDC typ cone

cd/klm   η = 100 %

— C0/C180
— C90/C270

LDC typ polar

Dimensions & Weight

Diameter	- mm
Length	454.00 mm
Width	354.00 mm
Height	62.00 mm
Product weight	6000.00 g
Cable length	1000 mm

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)	IK08
Dimmable	No
Mounting type	Surface
Mounting location	Wall / Pole / Floor / Ceiling
Mounting length	- mm
Mounting width	- mm
Mounting diameter	- mm
Adjustable	Yes
LED module replaceable	Not replaceable

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	< 35 %

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 September 2020

Safety advice

− Max. wind load surface 0.124 m²

DOWNLOAD DATA

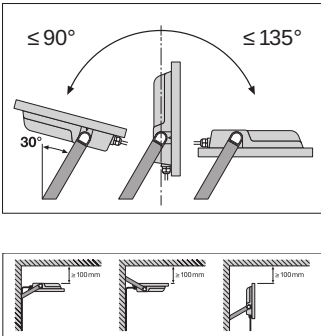|	DOWNLOAD DATA
PDF	User instruction FLOODLIGHT 65W - 200W
	Tender documents Tender Text 4058075423756
PDF	Declarations of conformity FLOODLIGHT PFM
	IES file (IES) FL PFM 200W3000K SYM 100 BK
	LDT file (Eulumdat) FL PFM 200W3000K SYM 100 BK
	R3D file (Relux 3D Model) FL PFM 200W
	M4D file (3D Model with rotation axis) FL PFM 200W
	UGR file (UGR table) FL PFM 200W3000K SYM 100 BK
PDF	Packaging insert Legal insert

LOGISTICAL DATA

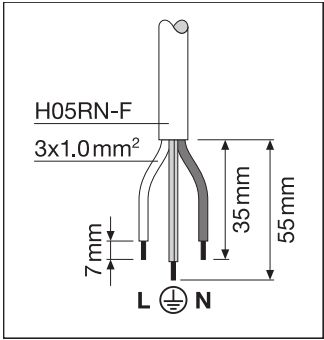| Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075423756	Shipping box 1	407 mm x 95 mm x 516 mm	6665.00 g	19.95 dm³

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

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