

PRODUCT DATASHEET

FL PFM 65 W 6500 K SYM 100 BK

FLOODLIGHT 65 W | Versatile floodlight with up to 8000 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

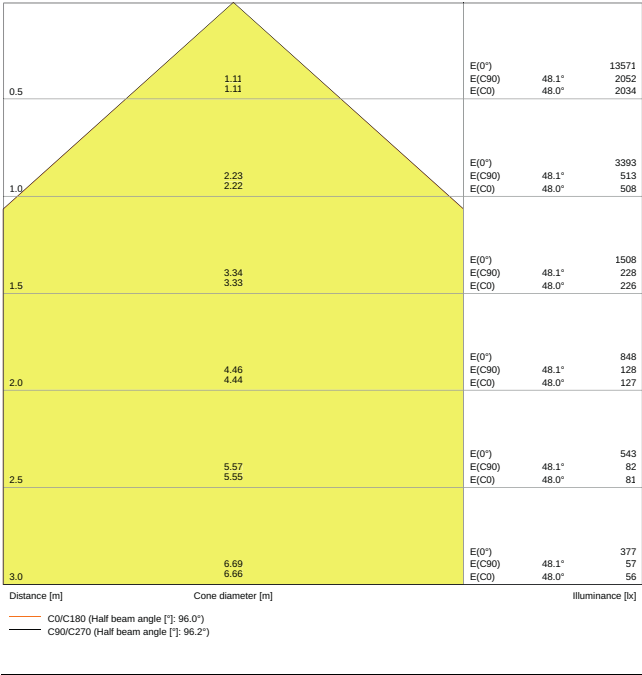


TECHNICAL DATA**Electrical data**

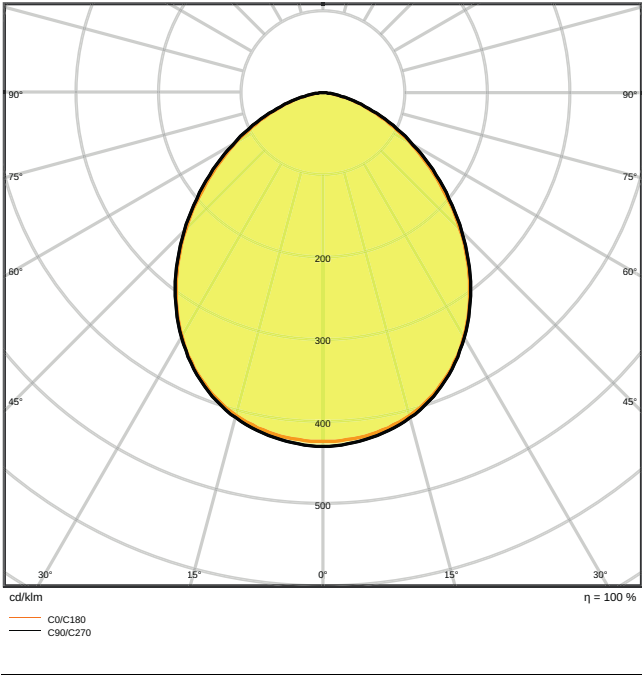
Nominal wattage	65.00 W
Nominal voltage	100...277 V
Mains frequency	50...60 Hz
Nominal current	340 mA
Inrush current	14.1 A
Inrush current time T_{h50}	145 μ s
Max. no. of lum. on circuit break. B16 A	29
Max. no. of lum. on circuit break. C10 A	21
Max. no. of lum. on circuit break. C16 A	33
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	8000 lm
Luminous efficacy	123 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 °



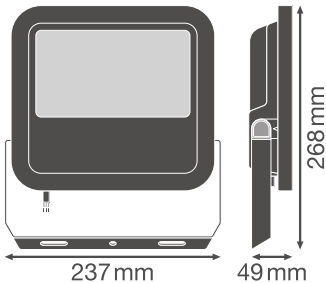
LDC typ cone



LDC typ polar

Dimensions & Weight

Length	268.00 mm
Width	237.00 mm
Height	49.00 mm
Product weight	2100.00 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 / Ceiling / Floor
Application environment	Outdoor
Adjustable	Yes
LED module replaceable	Not replaceable
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

ECG - Output ripple current	< 35 %
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Certificates & Standards

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

Safety advice

- Max. wind load surface 0.046 m²

DOWNLOAD DATA

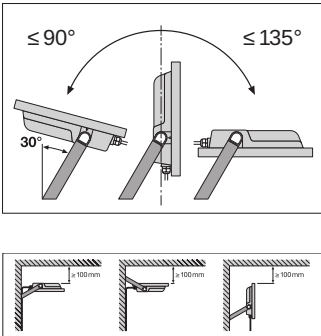
DOWNLOAD DATA	
	User instruction FLOODLIGHT 65W - 200W
	Addon Technical Information LSI FL PFM SYM
	Addon Technical Information LSI FL PFM SYM
	Tender documents Tender Text 4058075422483
	Declarations of conformity FLOODLIGHT PFM
	IES file (IES) FL PFM 65W6500K SYM 100 BK
	LDT file (Eulumdat) FL PFM 65W6500K SYM 100 BK
	R3D file (Relux 3D Model) FL PFM 65W
	M4D file (3D Model with rotation axis) FL PFM 65W
	UGR file (UGR table) FL PFM 65W6500K SYM 100 BK
	Packaging insert Legal insert

LOGISTICAL DATA

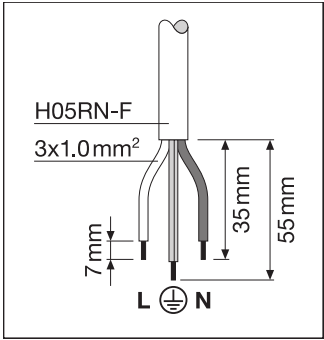
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075422483	Folding box 1	56 mm x 244 mm x 285 mm	2224.00 g	3.89 dm ³
4058075422490	Shipping box 4	289 mm x 274 mm x 347 mm	9413.00 g	27.48 dm ³

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	Key	Icon
65 W		100	108	8,5	2x M8	0,046 m²
80 W		160	168	10,5	2x M10	0,061 m²
125 W		170	118	10,5	2x M10	0,083 m²
160 W		170	118	12,5	2x M12	0,102 m²
200 W		170	118	12,5	2x M12	0,124 m²



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.