

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**

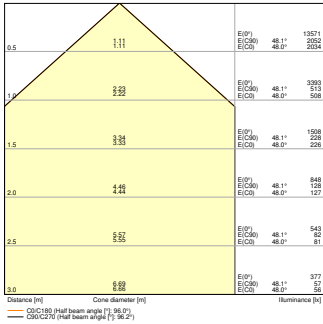
Nominal wattage	65.00 W
Nominal voltage	100...277 V
Mains frequency	50...60 Hz
Nominal current	340 mA
Inrush current	14.1 A
Inrush current time T_{h50}	145 μ s
Max. number of luminaires per miniature circuit breaker B16	29
Max. number of luminaires per miniature circuit breaker C10	21
Max. number of luminaires per miniature circuit breaker C16	33
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

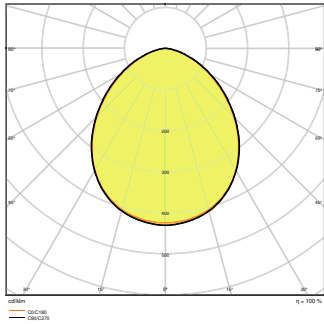
Luminous flux	8000 lm
Luminous efficacy	123 lm/W
Color temperature	6500 K
Light color (designation)	Cool Daylight
Color rendering index Ra	≥ 80
Standard deviation of color matching	≤ 5 sdc _m
Luminous intensity	-
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	100 ° x 100 °



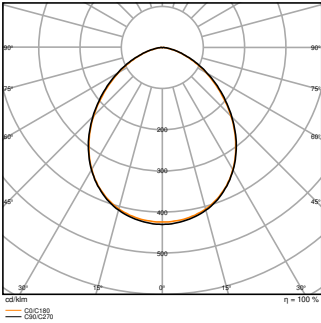
FL PFM 65W6500K SYM 100 BK



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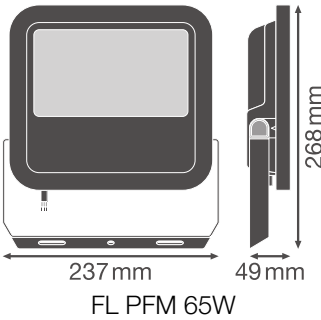
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Dimensions & Weight

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
RAL Color (most similar)	RAL 9017
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
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	70000 h ¹⁾
Lifespan L80/B10 at 25 °C	55000 h ¹⁾
Lifespan L80/B50 at 25 °C	55000 h
Lifespan L90/B10 at 25 °C	35000 h
Number of switching cycles	100000

¹⁾ t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Control gear

Output current	700 mA
ECG - Output ripple current	< 35 %

Certificates & Standards

Standards	CE / CB / ENEC / EAC / RoHS / EPD
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Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00017-V01.01-EN
Replaceable light source (EPREL)	Not replaceable

Safety advice

– Max. wind load surface 0.046 m²

DOWNLOAD DATA

Documents and certificates	Document name
 User instruction / safety instructions	UI FL PFM 65W - 200 W
 Legal information	LSI FL PFM SYM
 Legal information	LSI FL PFM SYM
 Legal information	Legal Insert FL PFM
 Legal information	Informationstext 18 Abs 4 ElektroG
 Declarations of conformity	FLOODLIGHT PFM
 Declarations of conformity UKCA	FL PFM SYM
 EPD	EPD EN FLOODLIGHT GEN 3 65-200 W PHOTOCELL

Photometric and lighting design files	Document name
 IES file (IES)	FL PFM 65W6500K SYM 100 BK
 IES file (IES)	FL PFM 65W 6500K SYM 100 BK
 LDT file (Eulumdat)	FL PFM 65W6500K SYM 100 BK
 LDT file (Eulumdat)	FL PFM 65W 6500K SYM 100 BK

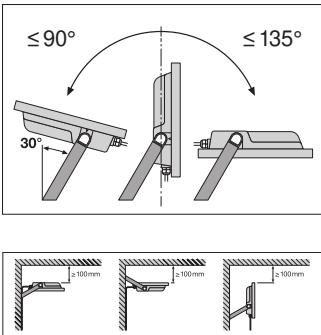
Photometric and lighting design files		Document name
	ULD file (DIALux)	FL PFM 65W-6500K SYM 100 BK
	ROLF file (RELUX)	FL PFM 65W-6500K SYM
	UGR file (UGR table)	FL PFM 65W6500K SYM 100 BK
	UGR file (UGR table)	FL PFM 65W 6500K SYM 100 BK
	Light distribution curve type cone	FL PFM 65W6500K SYM 100 BK
	Light distribution curve type cone	FL PFM 65W 6500K SYM 100 BK
	Light distribution curve type polar	FL PFM 65W6500K SYM 100 BK
	Light distribution curve type polar	FL PFM 65W 6500K SYM 100 BK
CAD/BIM files		Document name
	BIM Revit 3D	Floodlight G3
	CAD STEP 3D	FL G3 65W
Tender texts		Document name
	Tender documents	FLOODLIGHT 65 W 6500 K SYM 100 BK-EN

LOGISTICAL DATA

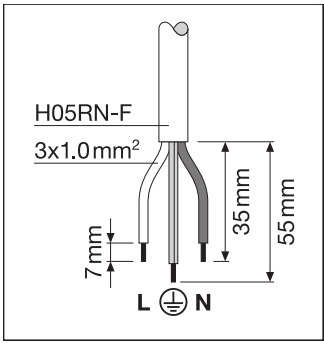
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075422483	Folding box 1	56 mm x 244 mm x 285 mm	2224.00 g	3.89 dm ³
4058075422490	Shipping box 4	289 mm x 274 mm x 347 mm	9413.00 g	27.48 dm ³

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		
65 W		150	108	8.5	2x M8	0,046 m ²
80 W		150	108	10,5	2x M10	0,061 m ²
125 W		170	118	10,5	2x M10	0,083 m ²
155 W		170	118	12,5	2x M12	0,102 m ²
200 W		170	118	12,5	2x M12	0,124 m 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.