

PRODUCT DATASHEET

FL 250 P 167W 25KLM 830 PS SY100 BK

FLOODLIGHT 250 | Versatile floodlight with up to 25000 lm light output



PERFOR-
MANCE
CLASS

Areas of application

- Replacement for floodlights with halogen lamps
- Outdoor use (IP66)
- D-sign according to EN 60598-2-24 for fire-risk commercial unit, e.g. by accumulation of dust
- Public areas
- Building facades
- Construction areas
- Parking

Product benefits

- Breather membrane to optimize air exchange, without compromising IP protection
- Highly versatile due to selectable power steps (Multi Lumen) on the housing
- Robust cable gland with integrated waterstop function
- Safe and very uniform illumination, due to frosted and tempered glass diffuser
- Bright, robust and durable
- Energy savings of up to 90 % compared to halogen lamp floodlights
- No upper light output ratio (ULOR 0%) when mounted at 0° tilt

Product features

- High luminous efficacy: up to 150 lm/W
- Type of protection: IP66
- Pre-installed, flexible 1 m cable (H05RN-F), wrapped 3 x 1.0 mm² single wires
- Reflector-based, symmetric light distribution with 100° x 100° beam angle
- Mounting bracket with 30° angle and wide rotation area

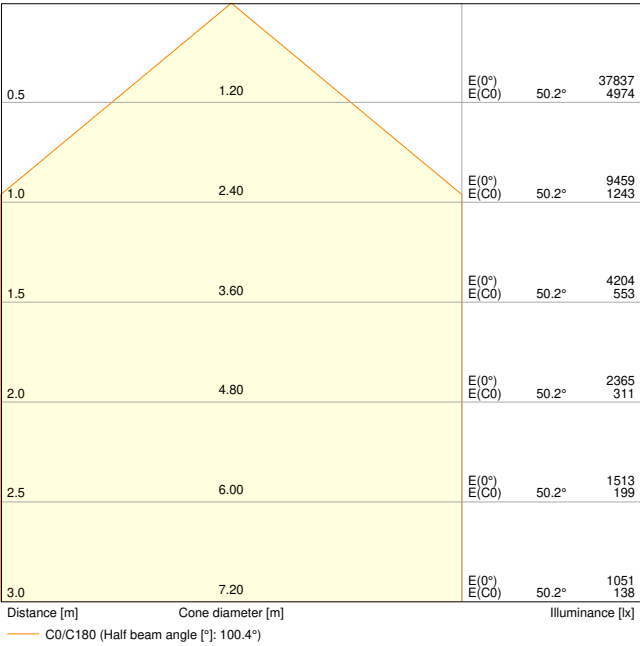
TECHNICAL DATA

Electrical data

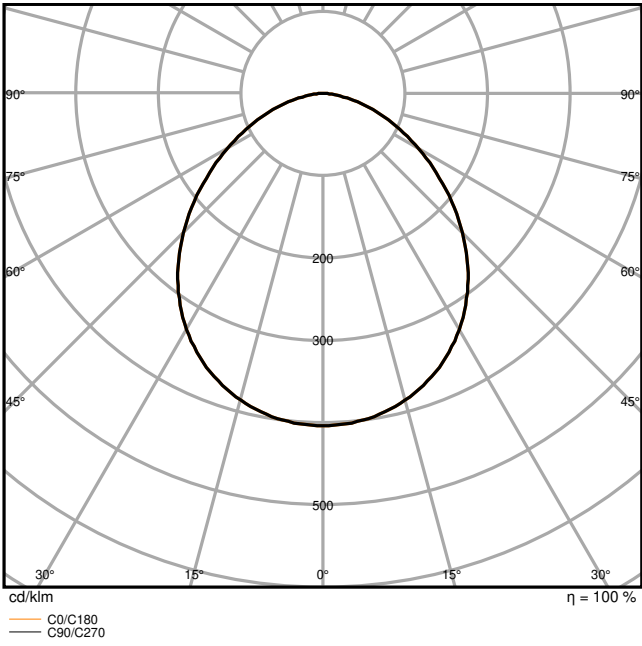
Nominal wattage	167 W / 150 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	741/665 mA
Inrush current	33.8 A
Inrush current time T_{h50}	560 μ s
Max. number of luminaires per miniature circuit breaker B16	4
Max. number of luminaires per miniature circuit breaker C10	4
Max. number of luminaires per miniature circuit breaker C16	7
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Surge capability (L-N)	4 kV
Surge capability (L/N-Ground)	6 kV
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	23400 lm / 21060 lm
Luminous efficacy	140 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	80
Standard deviation of color matching	5 sdc _m
Stroboscope effect metric (SVM)	≤0.9
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	100 ° x 100 °



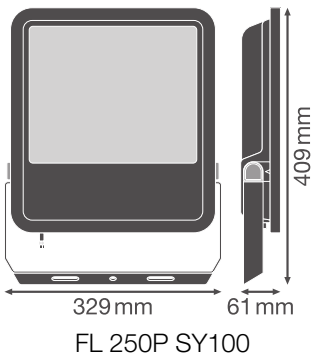
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Dimensions & Weight

Length	329.00 mm
Width	61.00 mm
Height	409.00 mm
Product weight	4420.00 g
Cable length	1000 mm



Materials & Colors

Product color	Black
Housing color	Black

RAL Color (most similar)	RAL 9017
Body material	Aluminum
Cover material	Glass
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	IP66
Protection class IK (shock resistance)	IK08
Corrosion resistance class acc. to EN 12944	C4
Dimmable	No
Mounting type	Surface
Mounting location	Wall / Pole / Floor / Ceiling
Application environment	Outdoor
Adjustable	Yes
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	100000 h ¹⁾
Lifespan L80/B10 at 25 °C	75000 h ¹⁾
Lifespan L80/B50 at 25 °C	70000 h
Lifespan L90/B10 at 25 °C	35000 h

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	790 mA
ECG - Output ripple current	< 20 %

Certificates & Standards

Standards	CE / CB / ENEC / EAC / UKCA / EPD
Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No
EPD	LEDV-00030-V01.01-EN
Replaceable light source (EPREL)	Not replaceable

Additional product data

Added function	MULTI SELECT
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Accessories Optional

Product image	Product name	EAN
	FL TRAVERSE 1/2 42/60/76MM	4099854680038

Safety advice

– Max. wind load surface 0.105 m²

DOWNLOAD DATA

Documents and certificates	Document name
 User instruction / safety instructions	G11193710_UI_Floodlight_65W-200W
 Legal information	Insert_LSI_Floodlight_69W-167W_G11195968
 Legal information	Informationstext 18 Abs 4 ElektroG
 Legal information	Safety Insert G11205496
 Legal information	Legal Insert G11257402
 Declarations of conformity	FLOODLIGHT GEN4
 EPD	EPD EN FLOODLIGHT GEN 4 MP PHOTOCELL

Photometric and lighting design files	Document name
 IES file (IES)	FL 250 P 167W 25KLM 830 PS SY100 BK
 LDT file (Eulumdat)	FL 250 P 167W 25KLM 830 PS SY100 BK
 ULD file (DIALux)	FL 250 P 167W 25KLM 830 PS SY100BK
 ROLF file (RELUX)	FL 250 P 167W 25KLM 830 PS SY100BK

Photometric and lighting design files		Document name
	UGR file (UGR table)	FL 250 P 167W 25KLM 830 PS SY100 BK
	Light distribution curve type cone	FL 250 P 167W 25KLM 830 PS SY100 BK
	Light distribution curve type polar	FL 250 P 167W 25KLM 830 PS SY100 BK
CAD/BIM files		Document name
	BIM Revit 3D	Floodlight G4
	CAD STEP 3D	FL G4 167W.
Tender texts		Document name
	Tender documents	FLOODLIGHT 250 167W 25KLM 830 PS SY100 BK-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854306563	Folding box 1	78 mm x 354 mm x 454 mm	4766.00 g	12.54 dm ³
4099854306570	Shipping box 2	370 mm x 173 mm x 481 mm	10102.00 g	30.79 dm ³

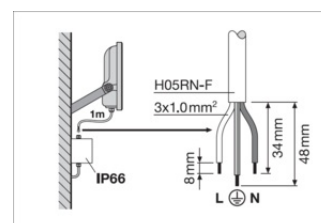
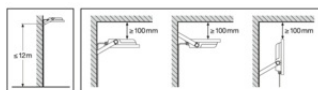
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION

Technical drawing of the floodlight showing dimensions A, B, C, and D. Dimension A is the total width, B is the width of the mounting bracket, C is the distance between the mounting brackets, and D is the height of the mounting bracket.

	A	B	C		
69W	150	108	8.5	2x M8	0.045 m ²
100W	150	108	10.5	2x M8	0.075 m ²
135W	175	118	10.5	2x M8	0.085 m ²
167W	175	118	12.5	2x M8	0.105 m ²

230 Vac		
C10A	B15A	C15A
25	40	41
6	5	8
4	4	7
4	4	7




Product code	Power (W)	Beam angle (°)	Light output (lm)	Beam diameter (mm)
FL 100P 69W 10KLM 830 PS SY100	69W	7320lm	69W/9150lm	
FL 100P 69W 10KLM 840 PS SY100	69W	8000lm	69W/10000lm	
FL 100P 69W 10KLM 865 PS SY100	69W	8000lm	69W/10000lm	
FL 150P 100W 15KLM 830 PS SY100	83W	11670lm	100W/14000lm	
FL 150P 100W 15KLM 840 PS SY100	83W	12500lm	100W/15000lm	
FL 150P 100W 15KLM 865 PS SY100	83W	12500lm	100W/15000lm	
FL 200P 133W 20KLM 830 PS SY100	117W	16275lm	133W/18600lm	
FL 200P 133W 20KLM 840 PS SY100	117W	17500lm	133W/20000lm	
FL 200P 133W 20KLM 865 PS SY100	117W	17500lm	133W/20000lm	
FL 250P 167W 25KLM 830 PS SY100	150W	21060lm	167W/23400lm	
FL 250P 167W 25KLM 840 PS SY100	150W	22500lm	167W/25000lm	
FL 250P 167W 25KLM 865 PS SY100	150W	22500lm	167W/25000lm	

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.