PRODUCT DATASHEET
FL 10 P 8W 1K2LM 840 PS SY100 BK

FLOODLIGHT 10 | Versatile floodlight with up to 1200 lm light output



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
- Gardens and balconies

Product benefits

- Breather membrane to optimize air exchange, without compromising IP protection
- Highly versatile due to selectable lumen 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 145 lm/W
- Type of protection: IP66
- Pre-installed, flexible 1 m cable (H05RN-F), wrapped 3 x 1.0 mm^2 single wires
- Reflector-based, symmetric light distribution with 100° x 100° beam angle
- Mounting bracket with 30° angle and wide rotation area

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TECHNICAL DATA

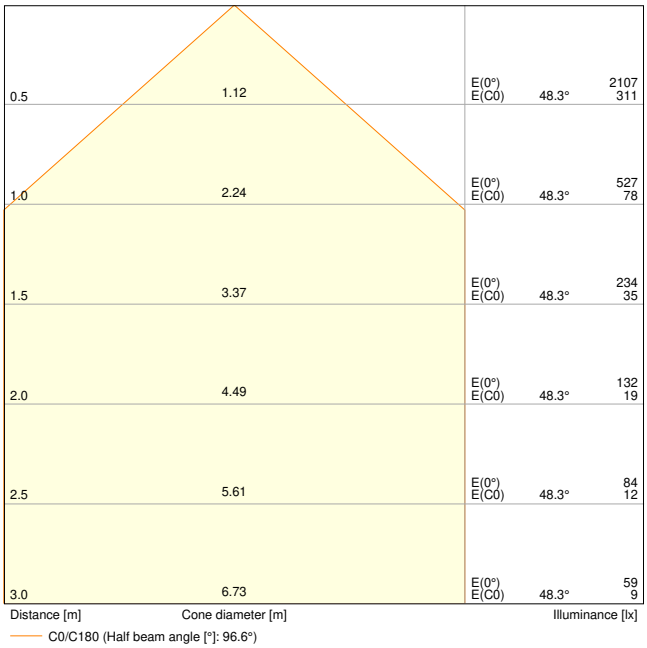
Electrical data

Nominal wattage	8 W / 6 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	40/30 mA
Inrush current	7.64 A
Inrush current time T_{h50}	19.6 µs
Max. number of luminaires per miniature circuit breaker B16	98
Max. number of luminaires per miniature circuit breaker C10	78
Max. number of luminaires per miniature circuit breaker C16	125
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Surge capability (L-N)	2 kV
Surge capability (L/N-Ground)	4 kV
Operating mode	Integrated LED driver

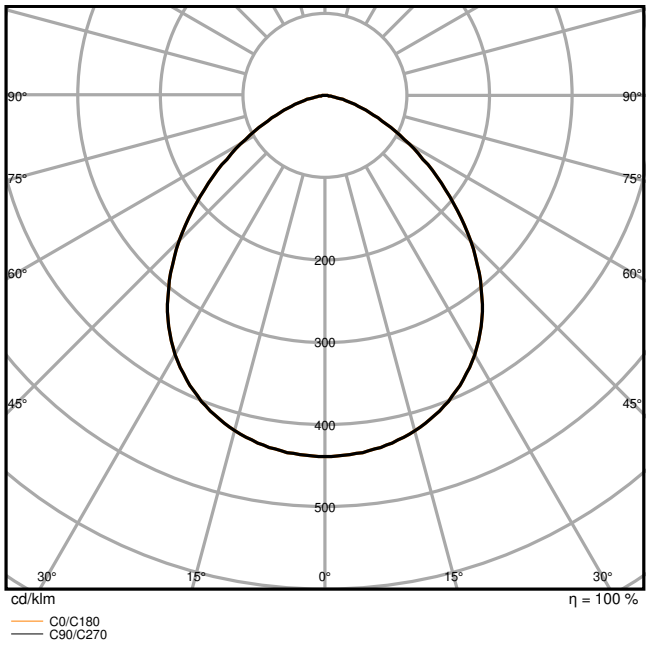
Photometrical data

Luminous flux	1200 lm / 850 lm
Luminous efficacy	145 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	80
Standard deviation of color matching	5 sdcm
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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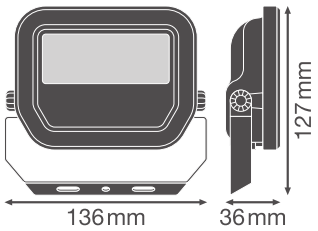
FL 10 P 8W 1K2LM 840 PS SY100 BK

Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
8 W	4000 K	1200 lm	145 lm/W
6 W	4000 K	850 lm	145 lm/W

Dimensions & Weight

Length	136.00 mm
Width	36.00 mm
Height	127.00 mm
Product weight	420.00 g
Cable length	1000 mm



FL 10 P SY100

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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)	IK07
Corrosion resistance class acc. to EN 12944	C4
Dimmable	No
Mounting type	Surface
Mounting location	Wall / Ceiling / Floor
Application environment	Outdoor
Mechanically 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	68 mA
ECG - Output ripple current	< 20 %

Certificates & Standards

Standards	CE / CB / ENEC / EAC / UKCA / EPD

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Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No
EPD	LEDV-00031-V01.01-EN
Replaceable light source (EPREL)	Not replaceable

Additional product data

Added function	MULTI SELECT

Safety advice

– Max. wind load surface 0.012 m^2

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	G11193706_UI_Floodlight_08W-41W
PDF	Legal information	Insert_LSI_Floodlight_8_41w_G11195967
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	Safety Insert G11205496
PDF	Legal information	Legal Insert G11277401
PDF	Declarations of conformity	FLOODLIGHT GEN4
PDF	Declarations of conformity UKCA	FLOODLIGHT GEN4
PDF	EPD	EPD EN FLOODLIGHT GEN 4 LP SENSOR

	Photometric and lighting design files	Document name
IES	IES file (IES)	FL 10 P 8W 1K2LM 840 PS SY100 BK
LDT	LDT file (Eulumdat)	FL 10 P 8W 1K2LM 840 PS SY100 BK
ULD	ULD file (DIALux)	FL 10 P 8W 1K2LM 840 PS SY100 BK
ROLF	ROLF file (RELUX)	FL 10 P 8W 1K2LM 840 PS SY100 BK

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	Photometric and lighting design files	Document name
	UGR file (UGR table)	FL 10 P 8W 1K2LM 840 PS SY100 BK
	Light distribution curve type cone	FL 10 P 8W 1K2LM 840 PS SY100 BK
	Light distribution curve type polar	FL 10 P 8W 1K2LM 840 PS SY100 BK

	CAD/BIM files	Document name
	BIM Revit 3D	Floodlight G4
	CAD STEP 3D	FL G4 8W

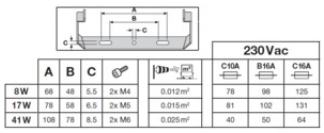
	Tender texts	Document name
	Tender documents	FLOODLIGHT 10 8W 1K2LM 840 PS SY100 BK-EN

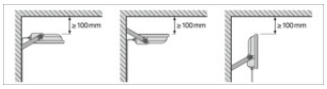
LOGISTICAL DATA

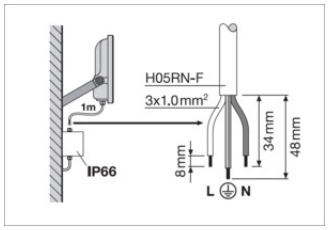
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854305665	Folding box 1	62 mm x 143 mm x 138 mm	471.00 g	1.22 dm^3
4099854305672	Shipping box 12	390 mm x 300 mm x 163 mm	6144.00 g	19.07 dm^3

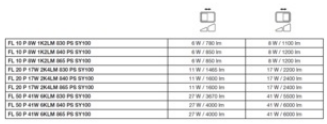
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION









References / Links

– For Guarantee see www.ledvance.com/guarantee

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DISCLAIMER

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