PRODUCT DATASHEET
FL 100 P 69W 10KLM 830 PS SY100 BK

FLOODLIGHT 100 | Versatile floodlight with up to 10000 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

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

- Luminous efficacy: up to 150 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

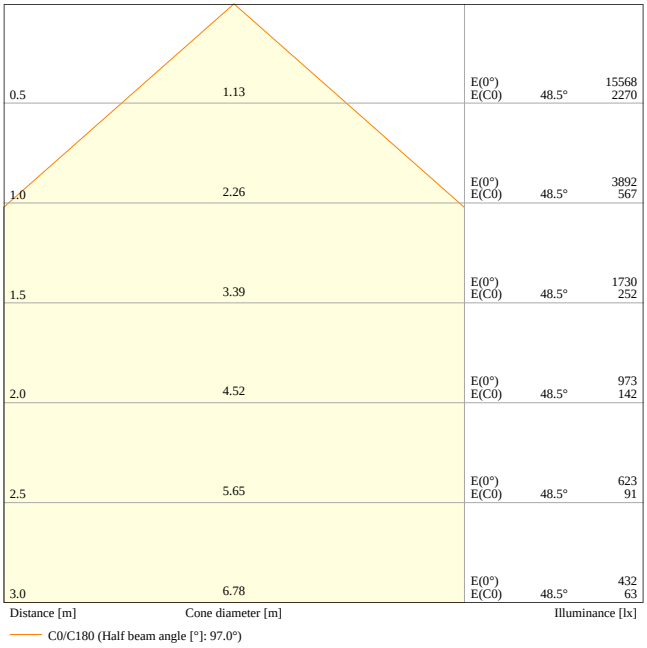
Electrical data

Nominal wattage	69 W / 53 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	310/260 mA
Inrush current	18.8 A
Inrush current time T_{h50}	86.2 µs
Max. number of luminaires per miniature circuit breaker B16	40
Max. number of luminaires per miniature circuit breaker C10	25
Max. number of luminaires per miniature circuit breaker C16	25
Power factor λ	> 0.90
Maximum 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

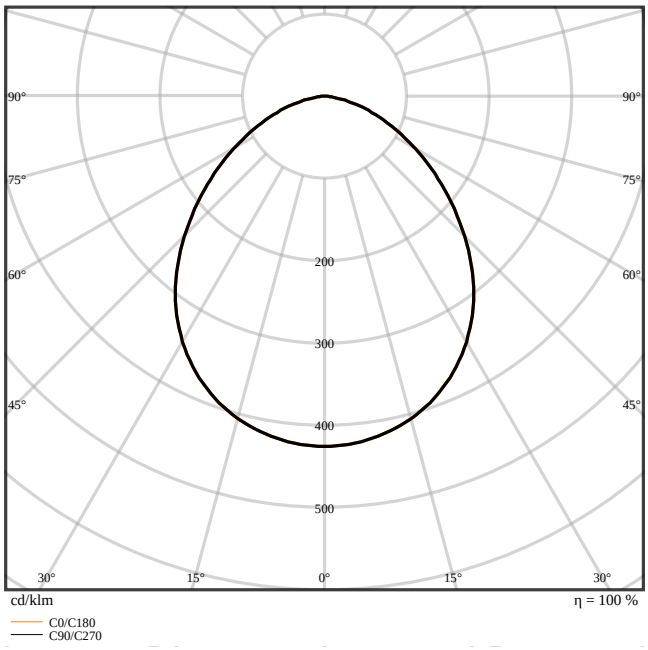
Photometrical data

Luminous flux	9150 lm / 7320 lm
Luminous efficacy	133 lm/W
Color temperature	3000 K
Light color (designation)	Warm 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	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	100 ° x 100 °

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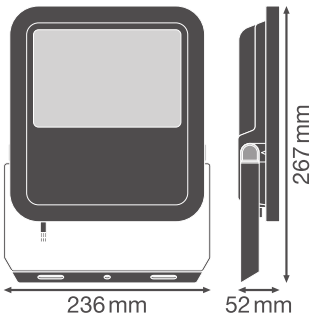
Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
69 W	3000 K	9150 lm	133 lm/W
53 W	3000 K	7320 lm	133 lm/W

Dimensions & Weight

Length	236.00 mm
Width	52.00 mm
Height	236.00 mm
Product weight	1712.00 g
Cable length	1000 mm

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FL 100P SY100

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
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)]

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Lifespan L80/B50 at 25 °C	70000 h
Lifespan L90/B10 at 25 °C	35000 h [1)]

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	550 mA
Output ripple current (100 Hz)	< 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 LUMEN

Accessories Optional

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

Safety advice

– Max. wind load surface 0.045 m^2

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	G11193710_UI_Floodlight_65W-200W
PDF	Legal information	Insert_LSI_Floodlight_69W-167W_G11195968
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	Safety Insert G11205496
PDF	Legal information	Legal Insert G11277401

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	Documents and certificates	Document name
PDF	Declarations of conformity	FLOODLIGHT GEN4
PDF	Declarations of conformity UKCA	FLOODLIGHT GEN4
PDF	EPD	EPD EN FLOODLIGHT GEN 4 MP PHOTOCELL

	Photometric and lighting design files	Document name
IES	IES file (IES)	FL 100 P 69W 10KLM 830 PS SY100 BK
LDT	LDT file (Eulumdat)	FL 100 P 69W 10KLM 830 PS SY100 BK
ULD	ULD file (DIALux)	FL 100 P 69W 10KLM 830 PS SY100 BK
ROLF	ROLF file (RELUX)	FL 100 P 69W 10KLM 830 PS SY100 BK
	UGR file (UGR table)	FL 100 P 69W 10KLM 830 PS SY100 BK
	Light distribution curve type cone	FL 100 P 69W 10KLM 830 PS SY100 BK
	Light distribution curve type polar	FL 100 P 69W 10KLM 830 PS SY100 BK

	CAD/BIM files	Document name
RFA	BIM Revit 3D	Floodlight G4
STEP	CAD STEP 3D	FL G4 69W

	Tender texts	Document name
TXT	Tender documents	FLOODLIGHT 100 69W 10KLM 830 PS SY100 BK-EN

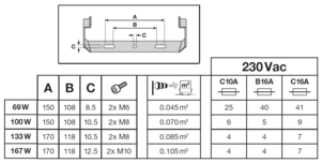
LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854306082	Folding box 1	78 mm x 255 mm x 237 mm	1868.00 g	4.71 dm^3
4099854306099	Shipping box 4	332 mm x 271 mm x 264 mm	7976.00 g	23.75 dm^3

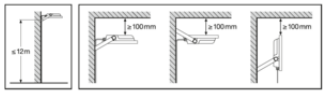
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

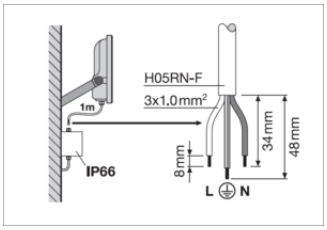
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ADDITIONAL CATALOG INFORMATION



	A	B	C			230 Vac C10A	230 Vac B16A	230 Vac C16A
69W	150	108	8.5	2x M6	0.045m²	25	40	41
100W	150	108	10.5	2x M8	0.070m²	6	5	9
133W	170	118	10.5	2x M8	0.085m²	4	4	7
167W	170	118	12.5	2x M10	0.105m²	4	4	7







FL 100 P 69W 10KLM 830 PS SY100	53W/7320lm	69W/9150lm
FL 100 P 69W 10KLM 840 PS SY100	53W/8000lm	69W/10000lm
FL 100 P 69W 10KLM 865 PS SY100	53W/8000lm	69W/10000lm
FL 150 P 100W 15KLM 830 PS SY100	83W/11670lm	100W/14000lm
FL 150 P 100W 15KLM 840 PS SY100	83W/12500lm	100W/15000lm
FL 150 P 100W 15KLM 865 PS SY100	83W/12500lm	100W/15000lm
FL 200 P 133W 20KLM 830 PS SY100	117W/16275lm	133W/18600lm
FL 200 P 133W 20KLM 840 PS SY100	117W/17500lm	133W/20000lm
FL 200 P 133W 20KLM 865 PS SY100	117W/17500lm	133W/20000lm
FL 250 P 167W 25KLM 830 PS SY100	150W/21060lm	167W/23400lm
FL 250 P 167W 25KLM 840 PS SY100	150W/22500lm	167W/25000lm
FL 250 P 167W 25KLM 865 PS SY100	150W/22500lm	167W/25000lm

References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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