

PRODUCT DATASHEET

FL 20 P 17W 2K4LM 830 PS SY100 WT

FLOODLIGHT 20 | Versatile floodlight with up to 2400 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
- Gardens and balconies

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

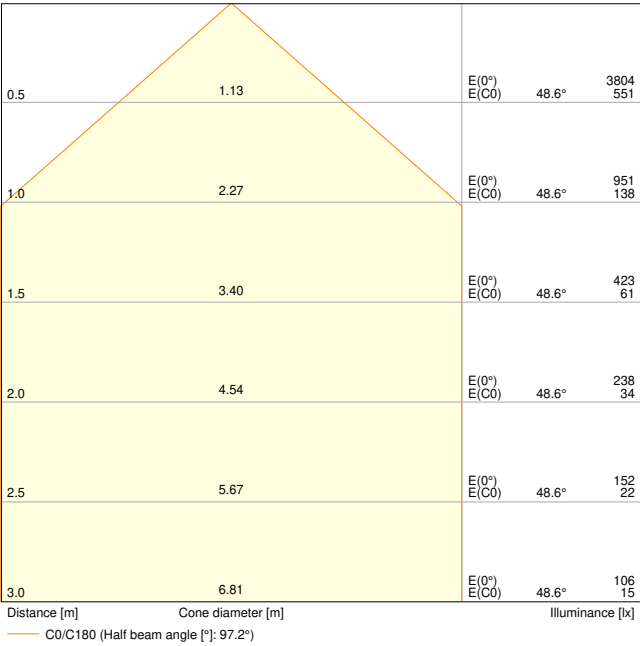
- High luminous efficacy: up to 145 lm/W
- Type of protection: IP66
- Pre-installed, flexible 1 m cable (H05RN-F), wrapped 3 x 1.0 mm² single wires
- Reflector-based, symmetric light distribution with 100° x 100° beam angle
- Mounting bracket with 30° angle and wide rotation area

TECHNICAL DATA**Electrical data**

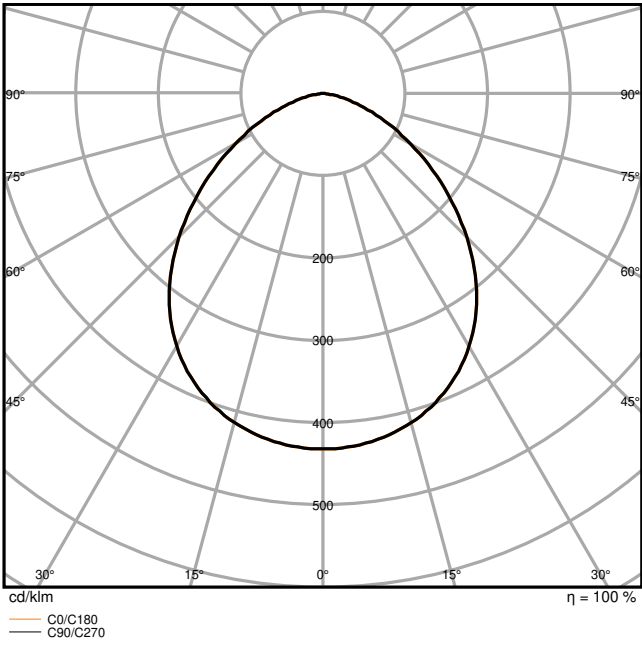
Nominal wattage	17 W / 11 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	75/60 mA
Inrush current	7.32 A
Inrush current time T_{h50}	23.4 μ s
Max. number of luminaires per miniature circuit breaker B16	102
Max. number of luminaires per miniature circuit breaker C10	81
Max. number of luminaires per miniature circuit breaker C16	131
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	2200 lm / 1465 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 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 °



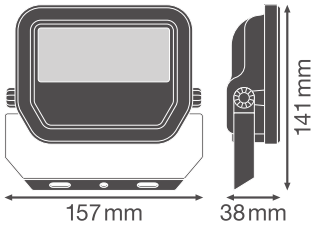
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Dimensions & Weight

Length	157.00 mm
Width	38.00 mm
Height	141.00 mm
Product weight	526.00 g
Cable length	1000 mm



FL 20 P SY100

Materials & Colors

Product color	White
Housing color	White

RAL Color (most similar)	RAL 9003
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
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	133 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-00031-V01.01-EN
Replaceable light source (EPREL)	Not replaceable

Additional product data

Added function	MULTI SELECT
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Safety advice

– Max. wind load surface 0.015 m²

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	G11193706_UI_Floodlight_08W-41W
	Legal information	Insert_LSI_Floodlight_8_41w_G11195967
	Legal information	Informationstext 18 Abs 4 ElektroG
	Legal information	Safety Insert G11205496
	Legal information	Legal Insert G11257402
	Declarations of conformity	FLOODLIGHT GEN4
	Declarations of conformity UKCA	FLOODLIGHT GEN4
	EPD	EPD EN FLOODLIGHT GEN 4 LP SENSOR

Photometric and lighting design files		Document name
	IES file (IES)	FL 20 P 17W 2K4LM 830 PS SY100 WT
	LDT file (Eulumdat)	FL 20 P 17W 2K4LM 830 PS SY100 WT
	ULD file (DIALux)	FL 20 P 17W 2K4LM 830 PS SY100 WT
	ROLF file (RELUX)	FL 20 P 17W 2K4LM 830 PS SY100 WT
	UGR file (UGR table)	FL 20 P 17W 2K4LM 830 PS SY100 WT
	Light distribution curve type cone	FL 20 P 17W 2K4LM 830 PS SY100 WT
	Light distribution curve type polar	FL 20 P 17W 2K4LM 830 PS SY100 WT

CAD/BIM files		Document name
	BIM Revit 3D	Floodlight G4
	CAD STEP 3D	FL G4 17W
Tender texts		Document name
	Tender documents	FLOODLIGHT 20 17W 2K4LM 830 PS SY100 WT-EN

LOGISTICAL DATA

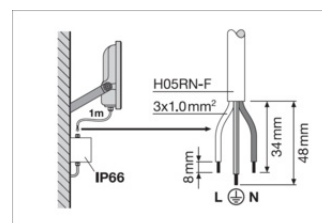
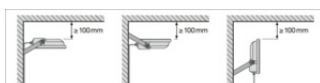
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854305801	Folding box 1	64 mm x 162 mm x 150 mm	585.00 g	1.56 dm ³
4099854305818	Shipping box 12	402 mm x 338 mm x 175 mm	7604.00 g	23.78 dm ³

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	D	
8W	68	48	5.5	2x M4	0.012m ²
17W	78	58	6.5	2x M5	0.015m ²
41W	108	78	8.5	2x M6	0.025m ²

230Vac		
C10A	B16A	C16A
78	98	128
81	102	131
40	50	64




Product code	Power (W)	Beam angle (°)	Mounting hole diameter (mm)	Mounting plate diameter (mm)	Mounting arm length (mm)	Mounting arm diameter (mm)	Mounting arm material
FL 10 P 8W 100LM 830 PS SY100	10	120	5.5	2x M4	100	8	Aluminum
FL 10 P 17W 100LM 830 PS SY100	17	120	6.5	2x M5	100	8	Aluminum
FL 10 P 41W 100LM 830 PS SY100	41	120	8.5	2x M6	100	8	Aluminum
FL 20 P 17W 200LM 830 PS SY100	17	200	6.5	2x M5	100	8	Aluminum
FL 20 P 41W 200LM 830 PS SY100	41	200	8.5	2x M6	100	8	Aluminum
FL 30 P 17W 300LM 830 PS SY100	17	300	6.5	2x M5	100	8	Aluminum
FL 30 P 41W 300LM 830 PS SY100	41	300	8.5	2x M6	100	8	Aluminum
FL 30 P 65W 300LM 830 PS SY100	65	300	8.5	2x M6	100	8	Aluminum
FL 30 P 100W 300LM 830 PS SY100	100	300	8.5	2x M6	100	8	Aluminum
FL 30 P 150W 300LM 830 PS SY100	150	300	8.5	2x M6	100	8	Aluminum
FL 30 P 200W 300LM 830 PS SY100	200	300	8.5	2x M6	100	8	Aluminum
FL 30 P 250W 300LM 830 PS SY100	250	300	8.5	2x M6	100	8	Aluminum
FL 30 P 300W 300LM 830 PS SY100	300	300	8.5	2x M6	100	8	Aluminum
FL 30 P 400W 300LM 830 PS SY100	400	300	8.5	2x M6	100	8	Aluminum
FL 30 P 500W 300LM 830 PS SY100	500	300	8.5	2x M6	100	8	Aluminum
FL 30 P 600W 300LM 830 PS SY100	600	300	8.5	2x M6	100	8	Aluminum
FL 30 P 700W 300LM 830 PS SY100	700	300	8.5	2x M6	100	8	Aluminum
FL 30 P 800W 300LM 830 PS SY100	800	300	8.5	2x M6	100	8	Aluminum
FL 30 P 900W 300LM 830 PS SY100	900	300	8.5	2x M6	100	8	Aluminum
FL 30 P 1000W 300LM 830 PS SY100	1000	300	8.5	2x M6	100	8	Aluminum

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.