

PRODUCT DATASHEET

FL 50 P 41W 6KLM 865 PS SY100 WT

FLOODLIGHT 50 | Versatile floodlight with up to 6000 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 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

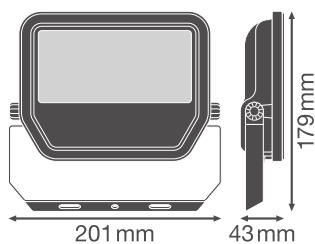
TECHNICAL DATA**Electrical data**

Nominal wattage	41 W / 27 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	185/130 mA
Inrush current	14.85 A
Inrush current time T_{h50}	33.6 μ s
Max. number of luminaires per miniature circuit breaker B16	50
Max. number of luminaires per miniature circuit breaker C10	40
Max. number of luminaires per miniature circuit breaker C16	64
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	6000 lm / 4000 lm
Luminous efficacy	145 lm/W
Color temperature	6500 K
Light color (designation)	Cool Daylight
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 °

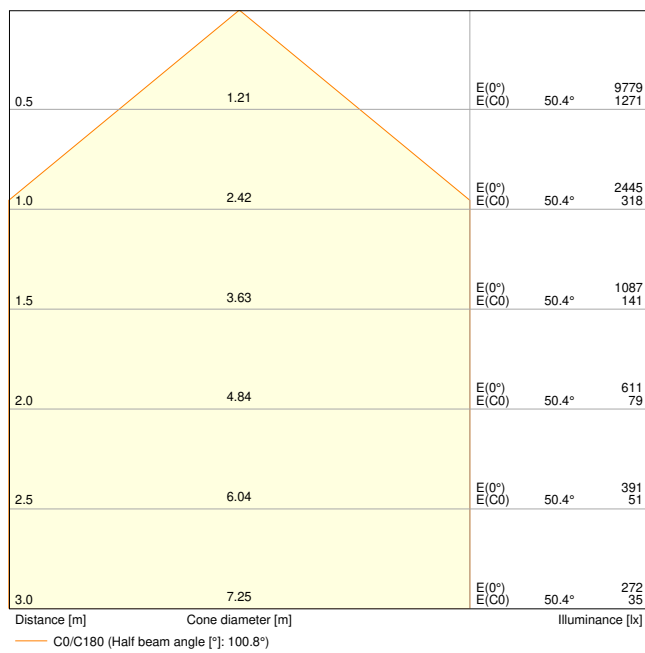
Length	201.00 mm
Width	43.00 mm
Height	179.00 mm
Product weight	830.00 g
Cable length	1000 mm



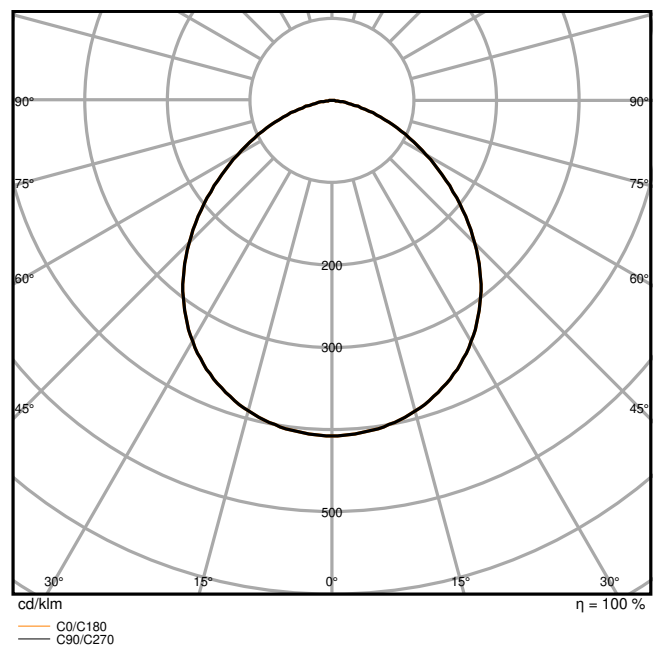
FL 50 P SY100

Materials & Colors

Product color	White
Housing color	White



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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	320 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 0.025 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 50 P 41W 6KLM 865 PS SY100 WT
	LDT file (Eulumdat)	FL 50 P 41W 6KLM 865 PS SY100 WT
	ULD file (DIALux)	FL 50 P 41W 6KLM 865 PS SY100 WT
	ROLF file (RELUX)	FL 50 P 41W 6KLM 865 PS SY100 WT
	UGR file (UGR table)	FL 50 P 41W 6KLM 865 PS SY100 WT
	Light distribution curve type cone	FL 50 P 41W 6KLM 865 PS SY100 WT
	Light distribution curve type polar	FL 50 P 41W 6KLM 865 PS SY100 WT

