

# PRODUCT DATASHEET

## FL 200 P 133W 20KLM 840 PS SY100 BK

FLOODLIGHT 200 | Versatile floodlight with up to 20000 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 mm<sup>2</sup> 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	133 W / 117 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	590/519 mA
Inrush current	34.6 A
Inrush current time $T_{h50}$	552 $\mu$ 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 $\lambda$	> 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	20000 lm / 17500 lm
Luminous efficacy	150 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	80
Standard deviation of color matching	5 sdc <sub>m</sub>
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 °



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
LED module replaceable	Not replaceable
With light source	Yes

### Lifespan

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

<sup>1)</sup> 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	630 mA
ECG - Output ripple current	< 20 %

### Certificates & Standards

Standards	CE / CB / ENEC / EAC / UKCA
Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No

### Additional product data

Product remark	Available from September 2024
Added function	MULTI SELECT

## Safety advice

– Max. wind load surface 0.085 m<sup>2</sup>

## DOWNLOAD DATA

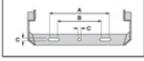
Documents and certificates		Document name
	User Instruction	G11193710_UI_Floodlight_65W-200W
	Legal information	LI_JQ_L2D1_T_G11195895
	Legal information	Insert_LSI_Floodlight_69W-167W_G11195968
	Legal information	Informationstext 18 Abs 4 ElektroG
	Declarations of conformity	FLOODLIGHT GEN4
	Declarations Of Conformity UKCA	FLOODLIGHT GEN4
Photometric and lighting design files		Document name
	IES file (IES)	FL 200 P 133W 20KLM 840 PS SY100 BK
	LDT file (Eulumdat)	FL 200 P 133W 20KLM 840 PS SY100 BK
	UGR file (UGR table)	FL 200 P 133W 20KLM 840 PS SY100 BK
	LDC typ cone	FL 200 P 133W 20KLM 840 PS SY100 BK
	LDC typ polar	FL 200 P 133W 20KLM 840 PS SY100 BK
CAD/BIM files		Document name
	BIM_Revit_3D	Floodlight G4
	CAD_STEP_3D	FL G4 133W
Tender texts		Document name
	Tender documents	FLOODLIGHT 200 133W 20KLM 840 PS SY100 BK-EN

## LOGISTICAL DATA

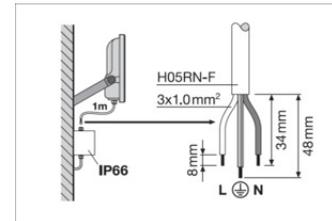
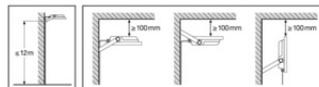
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854306402	Folding box 1	75 mm x 324 mm x 417 mm	3776.00 g	10.13 dm <sup>3</sup>
4099854306419	Shipping box 2	340 mm x 167 mm x 444 mm	8048.00 g	25.21 dm <sup>3</sup>

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**



230 Vac						
A	B	C	IP	Area [m <sup>2</sup> ]	Area [m <sup>2</sup> ]	
69W	150	108	8.5	2x M8	0.045 m <sup>2</sup>	25 40 41
100W	150	108	10.5	2x M8	0.070 m <sup>2</sup>	6 5 9
133W	170	118	10.5	2x M8	0.085 m <sup>2</sup>	4 4 7
167W	170	118	12.5	2x M10	0.105 m <sup>2</sup>	4 4 7



FL100P69W10KLM830PS SY100	53W/7320lm	69W/9150lm
FL100P69W10KLM840PS SY100	53W/8000lm	69W/10000lm
FL100P69W10KLM865PS SY100	53W/8000lm	69W/10000lm
FL150P100W15KLM830PS SY100	83W/11670lm	100W/14000lm
FL150P100W15KLM840PS SY100	83W/12500lm	100W/15000lm
FL150P100W15KLM865PS SY100	83W/12500lm	100W/15000lm
FL200P133W20KLM830PS SY100	117W/16275lm	133W/19600lm
FL200P133W20KLM840PS SY100	117W/17500lm	133W/20000lm
FL200P133W20KLM865PS SY100	117W/17500lm	133W/20000lm
FL250P167W25KLM830PS SY100	150W/21060lm	167W/23400lm
FL250P167W25KLM840PS SY100	150W/22500lm	167W/25000lm
FL250P167W25KLM865PS SY100	150W/22500lm	167W/25000lm

**References / Links**

- For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

**DISCLAIMER**

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.