

PRODUCT DATASHEET

FL 10 P 8W 1K2LM 830 PS SY100 BK

FLOODLIGHT 10 | Versatile floodlight with up to 1200 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	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 μ s
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	1100 lm / 780 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	136.00 mm
Width	36.00 mm
Height	127.00 mm
Product weight	420.00 g
Cable length	1000 mm



FL 10 P SY100

Materials & Colors

Product color	Black
Housing color	Black

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
LED module replaceable	Not replaceable
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	100000 h ¹⁾
Lifespan L80/B10 at 25 °C	75000 h ¹⁾
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
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 0.012 m²

DOWNLOAD DATA

Documents and certificates		Document name
	User Instruction	G11193706_UI_Floodlight_08W-41W
	Legal information	LI_JP_L1D1_T_G11195894
	Legal information	Insert_LSI_Floodlight_8_41w_G11195967
	Legal information	Informationstext 18 Abs 4 ElektroG
	Legal information	Safety Insert FL PS SY100
	Declarations of conformity	FLOODLIGHT GEN4
	Declarations Of Conformity UKCA	FLOODLIGHT GEN4

Photometric and lighting design files		Document name
	IES file (IES)	FL 10 P 8W 1K2LM 830 PS SY100 BK
	LDT file (Eulumdat)	FL 10 P 8W 1K2LM 830 PS SY100 BK
	UGR file (UGR table)	FL 10 P 8W 1K2LM 830 PS SY100 BK
	LDC typ cone	FL 10 P 8W 1K2LM 830 PS SY100 BK
	LDC typ polar	FL 10 P 8W 1K2LM 830 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 830 PS SY100 BK-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854305689	Folding box 1	62 mm x 143 mm x 138 mm	471.00 g	1.22 dm ³
4099854305696	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

A	B	C		
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8W	68	48	8.5	2x M4
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17W	78	58	8.5	2x M5
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41W	108	78	8.5	2x M5
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0.012m ²	
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0.015m ²	
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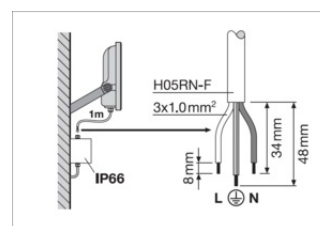
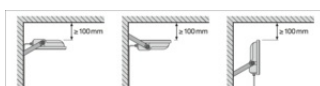
0.025m ²	
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230Vac		
C10A	B10A	C10A

78	98	125
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81	102	131
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40	50	64
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Product code	Power (W)	Length (m)	Width (mm)	Height (mm)	Weight (g)
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	1.0	8.5	34	47
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	2.0	8.5	34	94
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	3.0	8.5	34	141
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	4.0	8.5	34	188
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	5.0	8.5	34	235
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	6.0	8.5	34	282
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	7.0	8.5	34	329
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	8.0	8.5	34	376
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	9.0	8.5	34	423
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	10.0	8.5	34	470
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	11.0	8.5	34	517
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	12.0	8.5	34	564
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	13.0	8.5	34	611
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	14.0	8.5	34	658
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	15.0	8.5	34	705
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	16.0	8.5	34	752
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	17.0	8.5	34	799
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	18.0	8.5	34	846
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	19.0	8.5	34	893
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	20.0	8.5	34	940
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	21.0	8.5	34	987
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	22.0	8.5	34	1034
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	23.0	8.5	34	1081
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	24.0	8.5	34	1128
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	25.0	8.5	34	1175
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	26.0	8.5	34	1222
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	27.0	8.5	34	1269
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	28.0	8.5	34	1316
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	29.0	8.5	34	1363
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	30.0	8.5	34	1410
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	31.0	8.5	34	1457
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	32.0	8.5	34	1504
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	33.0	8.5	34	1551
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	34.0	8.5	34	1598
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	35.0	8.5	34	1645
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	36.0	8.5	34	1692
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	37.0	8.5	34	1739
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	38.0	8.5	34	1786
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	39.0	8.5	34	1833
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	40.0	8.5	34	1880
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	41.0	8.5	34	1927
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	42.0	8.5	34	1974
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	43.0	8.5	34	2021
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	44.0	8.5	34	2068
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	45.0	8.5	34	2115
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	46.0	8.5	34	2162
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	47.0	8.5	34	2209
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	48.0	8.5	34	2256
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	49.0	8.5	34	2303
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	50.0	8.5	34	2350
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	51.0	8.5	34	2397
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	52.0	8.5	34	2444
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	53.0	8.5	34	2491
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	54.0	8.5	34	2538
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	55.0	8.5	34	2585
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	56.0	8.5	34	2632
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	57.0	8.5	34	2679
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	58.0	8.5	34	2726
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	59.0	8.5	34	2773
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	60.0	8.5	34	2820
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	61.0	8.5	34	2867
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	62.0	8.5	34	2914
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	63.0	8.5	34	2961
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	64.0	8.5	34	3008
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	65.0	8.5	34	3055
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	66.0	8.5	34	3102
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	67.0	8.5	34	3149
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	68.0	8.5	34	3196
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	69.0	8.5	34	3243
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	70.0	8.5	34	3290
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	71.0	8.5	34	3337
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	72.0	8.5	34	3384
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	73.0	8.5	34	3431
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	74.0	8.5	34	3478
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	75.0	8.5	34	3525
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	76.0	8.5	34	3572
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	77.0	8.5	34	3619
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	78.0	8.5	34	3666
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	79.0	8.5	34	3713
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	80.0	8.5	34	3760
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	81.0	8.5	34	3807
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	82.0	8.5	34	3854
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	83.0	8.5	34	3901
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	84.0	8.5	34	3948
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	85.0	8.5	34	3995
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	86.0	8.5	34	4042
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	87.0	8.5	34	4089
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	88.0	8.5	34	4136
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	89.0	8.5	34	4183
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	90.0	8.5	34	4230
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	91.0	8.5	34	4277
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	92.0	8.5	34	4324
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	93.0	8.5	34	4371
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	94.0	8.5	34	4418
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	95.0	8.5	34	4465
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	96.0	8.5	34	4512
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	97.0	8.5	34	4559
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	98.0	8.5	34	4606
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	99.0	8.5	34	4653
FL 10 P 8W 1K2LM 830 PS SY100 BK	8	100.0	8.5	34	4700

References / Links

– For Guarantee see www.ledvance.com/guarantee

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