PRODUCT DATASHEET
FL COMP V 90W 830 SYM 100 BK

FLOODLIGHT COMPACT 90W | Floodlight with up to 9000 lm light output



Areas of application

- Replacement for floodlights with halogen lamps
- Outdoor use (IP65)
- Public areas
- Building facades
- Gardens, balconies and other outdoor areas
- Construction areas

Product benefits

- Robust, yet light and compact design
- Safe and very uniform illumination, due to frosted and tempered glass diffuser
- No upper light output ratio (ULOR 0%) when mounted at 0° tilt
- Energy savings of up to 90 % compared to halogen lamp floodlights
- 3 years guarantee

Product features

- Reflector-based, symmetric light distribution with 100° x 100° beam angle
- Surge protection: up to 4 kV (L/N-PE), 2 kV (L-N)
- Mounting bracket with 30° angle and wide rotation area
- Pre-installed, flexible 1 m cable (H05RN-F), wrapped 3 x 1.0 mm² single wires
- Breather membrane to optimize air exchange, without compromising IP protection



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TECHNICAL DATA

Electrical data

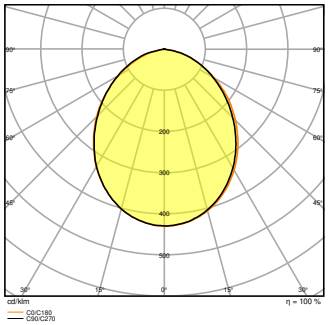
Nominal wattage	90.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	434 mA
Inrush current	7.9 A
Inrush current time T_{h50}	1.9 µs
Max. no. of lum. on circuit break. B16 A	20
Max. no. of lum. on circuit break. C10 A	15
Max. no. of lum. on circuit break. C16 A	23
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	8100 lm
Luminous efficacy	90 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	≥80
Standard deviation of color matching	< 5 sdcm
Luminous intensity	-
Low flicker	Yes
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	100 ° x 100 °

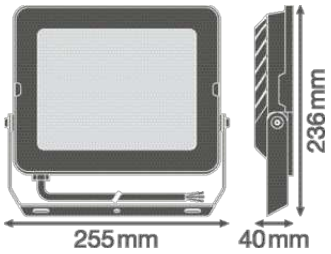


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Dimensions & Weight

Length	236.00 mm
Width	255.00 mm
Height	40.00 mm
Product weight	1520.00 g
Cable length	1000 mm



Materials & Colors

Product color	Black
Housing color	Black
Body material	Aluminum
Cover material	Tempered glass
Light emitting surface material	Glass
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting



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Ambient temperature range	-30...+45 °C
Temperature range at storage	-40...+70 °C
Type of connection	Cable, 3-pole
Type of protection	IP65
Protection class IK (shock resistance)	IK08
Dimmable	No
Mounting type	Surface
Mounting location	Wall / Pole / Floor
Application environment	Outdoor
Adjustable	Yes
LED module replaceable	Not replaceable
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	50000 h
Lifespan L80/B10 at 25 °C	35000 h
Lifespan L90/B10 at 25 °C	25000 h
Number of switching cycles	100000

Certificates & Standards

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

Safety advice

- Max. wind load surface 0.043 m^2

DOWNLOAD DATA

	DOWNLOAD DATA
PDF	User instruction
PDF	Addon Technical Information
	Tender documents

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	DOWNLOAD DATA
PDF	Declarations of conformity
	IES file (IES)
	LDT file (Eulumdat)
	R3D file (Relux 3D Model)
	M4D file (3D Model with rotation axis)
	ULD file (DIALux)

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075574991	Shipping box 2	325 mm x 178 mm x 312 mm	3877.00 g	18.05 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

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.

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