

# PRODUCT DATASHEET

## FL COMP V 90W 840 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 mm<sup>2</sup> single wires
- Breather membrane to optimize air exchange, without compromising IP protection



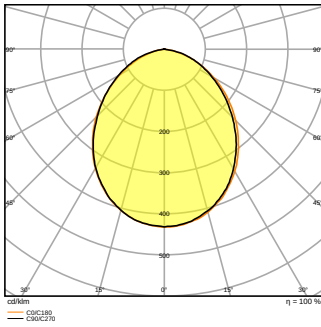
## TECHNICAL DATA

### 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 $\mu$ s
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 $\lambda$	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

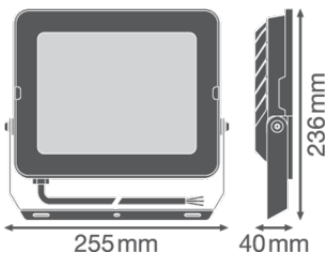
### Photometrical data

Luminous flux	9000 lm
Luminous efficacy	100 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	$\geq 80$
Standard deviation of color matching	< 5 sdc <sub>m</sub>
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 °



### 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

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"	Yes
Ball shot safe	No



### Additional product data

Product remark	
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### Safety advice

- Max. wind load surface 0.043 m<sup>2</sup>

### DOWNLOAD DATA

DOWNLOAD DATA	
	User instruction FL COMP V SYM
	Addon Technical Information LSI FL COMP V

**DOWNLOAD DATA**



Declarations of conformity  
FL COMP



IES file (IES)  
FL COMP V 90W 840 SYM 100 BK



LDT file (Eulumdat)  
FL COMP V 90W 840 SYM 100 BK



M4D file (3D Model with rotation axis)  
FL COMP V 90W

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075575004	Folding box 1	78 mm x 302 mm x 280 mm	1703.00 g	6.60 dm <sup>3</sup>
4058075575011	Shipping box 2	325 mm x 178 mm x 312 mm	3877.00 g	18.05 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**

**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.