

# PRODUCT DATASHEET

## FL COMP V 90W 865 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



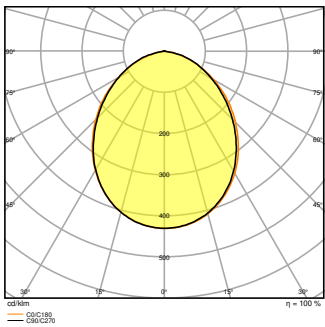
---

**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 |

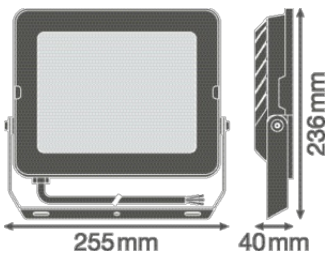
**Photometrical data**

|                                              |               |
|----------------------------------------------|---------------|
| Luminous flux                                | 9000 lm       |
| Luminous efficacy                            | 100 lm/W      |
| Color temperature                            | 6500 K        |
| Light color (designation)                    | Cool Daylight |
| Color rendering index Ra                     | $\geq 80$     |
| Standard deviation of color matching         | < 5 sdcn      |
| 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" | No            |
| Ball shot safe                                       | No            |

### Safety advice

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

### DOWNLOAD DATA

| Documents and certificates                                                         |                             |
|------------------------------------------------------------------------------------|-----------------------------|
|  | User instruction            |
|  | Addon Technical Information |
|  | Packaging insert            |

## Documents and certificates



Declarations Of Conformity CE



Declarations Of Conformity UKCA

## Photometric and lighting design files



IES file (IES)



LDT file (Eulumdat)



ULD file (DIALux)



ROLF file (RELUX)



LDC typ polar

## CAD/BIM files



BIM\_Revit\_3D



CAD\_STEP\_3D

## Tender texts



Tender documents

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075575080 | Folding box<br>1             | 78 mm x 302 mm x 280 mm              | 1703.00 g    | 6.60 dm <sup>3</sup>  |
| 4058075575097 | Shipping box<br>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.