

# PRODUCT DATASHEET

## FL COMP SEN V 20W 840 SYM 100 BK

FLOODLIGHT COMPACT SENSOR 20W | Sensor floodlight with up to 2000 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
- Demand optimized illumination due to flexible and programmable sensor
- Easy adjustment of sensor range, daylight detection and hold time
- Always-on override, activated via special mains switching pattern
- 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

- Flexible motion and daylight sensor
- Sensor with 350° pan and 180° tilt
- Reflector-based, symmetric light distribution with 100° x 100° beam angle
- 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



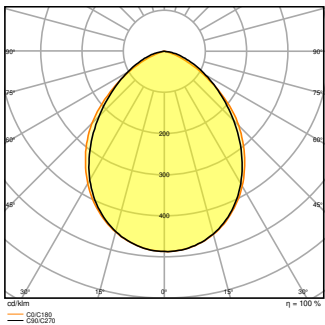
## TECHNICAL DATA

## Electrical data

|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 20.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 50...60 Hz            |
| Nominal current                                             | 99 mA                 |
| Inrush current                                              | 6 A                   |
| Inrush current time $T_{h50}$                               | 1.3 $\mu$ s           |
| Max. number of luminaires per miniature circuit breaker B16 | 88                    |
| Max. number of luminaires per miniature circuit breaker C10 | 64                    |
| Max. number of luminaires per miniature circuit breaker C16 | 103                   |
| Power factor $\lambda$                                      | > 0.80                |
| Total harmonic distortion                                   | < 20 %                |
| Protection class                                            | I                     |
| Operating mode                                              | Integrated LED driver |

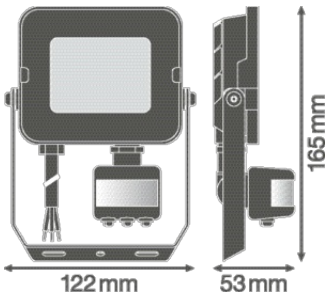
## Photometrical data

|                                              |                      |
|----------------------------------------------|----------------------|
| Luminous flux                                | 2000 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         | 165.00 mm |
| Width          | 122.00 mm |
| Height         | 53.00 mm  |
| Product weight | 380.00 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) | IK06                |
| 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 <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 35000 h <sup>1)</sup> |
| Lifespan L90/B10 at 25 °C  | 25000 h               |
| Number of switching cycles | 100000                |

<sup>1)</sup> t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Sensor

|                                        |                            |
|----------------------------------------|----------------------------|
| Type of sensor                         | Motion / Light             |
| Sensor technology                      | Passive infrared/Photocell |
| Sensor detection angle                 | 40 °...160 °               |
| Sensor controlled switching time       | 10 s...12 min              |
| Detection range of motion sensor       | 2...12 m                   |
| Detection threshold of daylight sensor | 10...2000 lx               |
| Sensor IP rating                       | IP65                       |
| Sensor IK rating                       | IK05                       |

Certificates & Standards

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

DOWNLOAD DATA

| Documents and certificates                                                        |                                 |
|-----------------------------------------------------------------------------------|---------------------------------|
|  | User instruction                |
|  | Addon Technical Information     |
|  | Packaging insert                |
|  | 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                                                                       |             |
|-------------------------------------------------------------------------------------|-------------|
|  | CAD_STEP_3D |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4058075575288 | Folding box<br>1             | 127 mm x 73 mm x 173 mm              | 428.00 g     | 1.60 dm³  |
| 4058075575295 | Shipping box<br>8            | 310 mm x 270 mm x 198 mm             | 3722.00 g    | 16.57 dm³ |

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

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### References / Links

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

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