

# PRODUCT DATASHEET

## SP CBO FIX V 5.5W CPS 60DEG IP65 WT

SPOT COMBO FIX | Coverable spot with CCT and power select (CPS) in fix version



### Areas of application

- Direct replacement for recessed spotlights with halogen lamps
- General illumination
- Hotel rooms and corridors
- Bars, restaurants
- Residential interiors

### Product benefits

- White round ring included
- Color temperature adjustment via switch on the back of the spot
- Power select: Brightness adjustment via a switch on the driver
- Coverable with most thermal isolation material according to IEC 60598-2-2
- 5 years guarantee

### Product features

- Color temperature switch (CCT): 2700 K, 3000 K, 4000 K
- Power select option available to select between 2 lumen packages
- Type of protection: IP65
- Housing material: polycarbonate (PC)



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## TECHNICAL DATA

### Electrical data

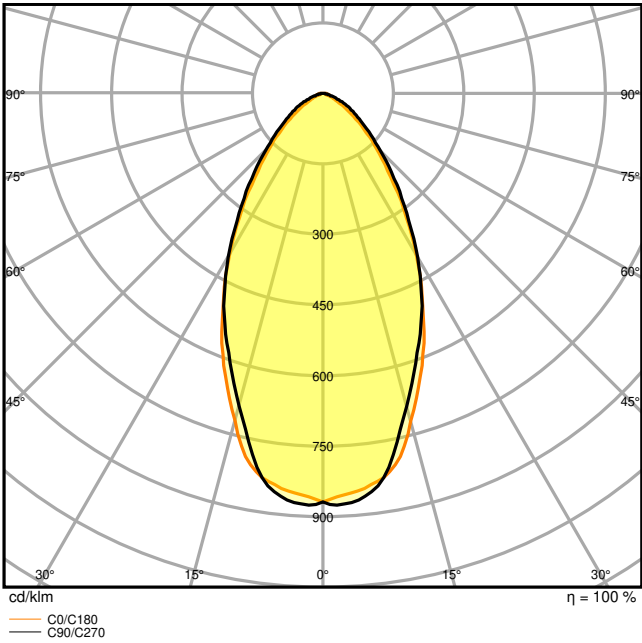
|                                                             |                               |
|-------------------------------------------------------------|-------------------------------|
| Nominal wattage                                             | 5.50 W                        |
| Nominal voltage                                             | 220...240 V                   |
| Mains frequency                                             | 50...60 Hz                    |
| Nominal current                                             | 43.000 mA                     |
| Inrush current                                              | 8.8 A                         |
| Inrush current time $T_{h50}$                               | 96 $\mu$ s                    |
| Max. number of luminaires per miniature circuit breaker B16 | 79                            |
| Max. number of luminaires per miniature circuit breaker C10 | 62                            |
| Max. number of luminaires per miniature circuit breaker C16 | 99                            |
| Power factor $\lambda$                                      | > 0.5                         |
| Protection class                                            | II                            |
| Operating mode                                              | Electronic control gear (ECG) |

### Photometrical data

|                                              |                          |
|----------------------------------------------|--------------------------|
| Luminous flux                                | 600 lm                   |
| Luminous efficacy                            | 109 lm/W                 |
| Color temperature                            | 2700 K / 3000 K / 4000 K |
| Light color (designation)                    | Warm White / Cool White  |
| Color rendering index Ra                     | > 90                     |
| Standard deviation of color matching         | < 6 sdcm                 |
| Low flicker                                  | Yes                      |
| Flickering metric (Pst LM)                   | <1                       |
| Stroboscope effect metric (SVM)              | <0.4                     |
| Photobiological safety group acc. to EN62778 | RG1                      |
| Beam angle                                   | 60 °                     |



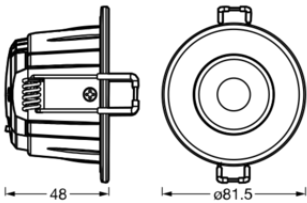
SP CBO FIX V 3.6W 927



SP CBO FIX V 3.6W 927

Dimensions & Weight

|                |          |
|----------------|----------|
| Diameter       | 81.50 mm |
| Height         | 48.00 mm |
| Product weight | 177.00 g |



SP FIX3.6/5.5W927/30/40  
60DEGIP65WT

Materials & Colors

|                          |          |
|--------------------------|----------|
| Product color            | White    |
| Housing color            | White    |
| RAL Color (most similar) | RAL 9016 |

|                                            |                    |
|--------------------------------------------|--------------------|
| Body material                              | Polycarbonate (PC) |
| Cover material                             | Aluminum           |
| Light emitting surface material            | Plastic            |
| Glow Wire Test according to IEC 60695-2-12 | 850 °C             |
| Mercury content                            | 0.0 mg             |

### Application & Mounting

|                                        |               |
|----------------------------------------|---------------|
| Ambient temperature range              | -20...+40 °C  |
| Temperature range at storage           | -20...+80 °C  |
| Type of connection                     | Push terminal |
| Type of protection                     | IP65          |
| Protection class IK (shock resistance) | IK03          |
| Dimmable                               | No            |
| Mounting type                          | Recessed      |
| Mounting location                      | Ceiling       |
| Application environment                | Indoor        |
| Mounting diameter                      | 68 mm         |
| Mounting depth                         | 48 mm         |
| Adjustable                             | No            |
| With light source                      | Yes           |
| Replaceable light source               | No            |

### Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 50000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 39000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 39000 h               |
| Lifespan L90/B10 at 25 °C  | 18000 h               |
| Number of switching cycles | 25000                 |

<sup>1)</sup> 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              | 100 mA  |
| ECG - Output ripple current | < 30 %  |
| ECG - Length                | 100 mm  |
| ECG - Width                 | 46 mm   |
| ECG - Height                | 26,0 mm |

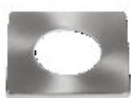
## Certificates & Standards

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Standards                                            | CE / UKCA       |
| Luminaire with limited surface temperature, "D sign" | No              |
| Ball shot safe                                       | No              |
| Replaceable light source (EPREL)                     | Not replaceable |

## Additional product data

|                |              |
|----------------|--------------|
| Added function | MULTI SELECT |
|----------------|--------------|

## Accessories Optional

| Product image                                                                      | Product name              | EAN           |
|------------------------------------------------------------------------------------|---------------------------|---------------|
|    | SP CBO RING FIX SQUARE BN | 4099854099274 |
|    | SP CBO RING FIX SQUARE WT | 4099854099304 |
|  | SP CBO RING FIX ROUND BK  | 4099854098406 |
|  | SP CBO RING FIX ROUND BN  | 4099854098437 |
|  | SP CBO RING FIX SQUARE BK | 4099854099335 |

## EQUIPMENT / ACCESSORIES

- Already equipped with white round ring
- Additional cover rings separately available in round and square shape and in different colors

## Safety advice

- Check wall-ceiling for suitability. If uncertain, seek professional advice.
- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.

## DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name                        |
|------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------|
|    | User instruction / safety instructions | UI SPOT COMBO and ACC                |
|    | Legal information                      | Legal Insert SPOT COMBO              |
|    | Legal information                      | Informationstext 18 Abs 4 ElektroG   |
|    | Declarations of conformity             | CE Declaration SP COMBO              |
|    | Declarations of conformity UKCA        | UKCA Declaration SP COMBO            |
| Photometric and lighting design files                                              |                                        | Document name                        |
|    | IES file (IES)                         | SP CBO FIX V 3.6W 927                |
|   | LDT file (Eulumdat)                    | SP CBO FIX V 3.6W 927                |
|  | ULD file (DIALux)                      | SP CBO FIX V 5.5W CPS 60DEG IP65 WT  |
|  | ROLF file (RELUX)                      | SP CBO FIX V 5.5W CPS 60 DEG IP65 WT |
|  | UGR file (UGR table)                   | SP CBO FIX V 3.6W 927                |
|  | Light distribution curve type cone     | SP CBO FIX V 3.6W 927                |
|  | Light distribution curve type polar    | SP CBO FIX V 3.6W 927                |
| CAD/BIM files                                                                      |                                        | Document name                        |
|  | BIM Revit 3D                           | Spot Combo                           |
|  | CAD STEP 3D                            | SP CBO FIX                           |

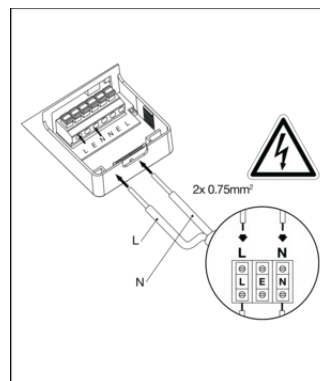
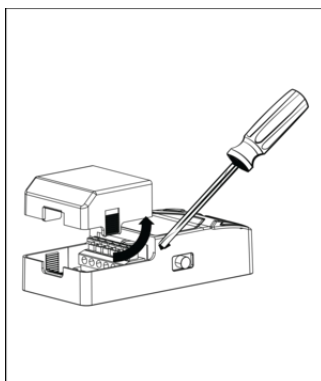
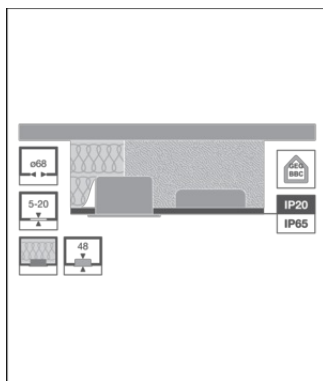
## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4099854092701 | Folding box<br>1             | 77 mm x 107 mm x 98 mm               | 223.00 g     | 0.81 dm <sup>3</sup> |

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854092718 | Shipping box<br>20           | 402 mm x 228 mm x 222 mm             | 4812.00 g    | 20.35 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)

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