

# PRODUCT DATASHEET

## SP CBO DA ADJ V 6W MC 930 IP65 WT

SPOT COMBO DALI ADJUST | Coverable spot with CCT, DALI-2 technology and dimming function, in adjustable version



VALUE  
CLASS

### Areas of application

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

### Product benefits

- Color temperature adjustment via switch on the back of the spot
- Coverable with most of the isolation material

### Product features

- Color temperature switch (CCT): 2700 K, 3000 K, 4000 K
- Can be controlled with DALI system
- DALI-2 certified
- Type of protection: IP65 (room side)
- Housing material: polycarbonate (PC)



## TECHNICAL DATA

## Electrical data

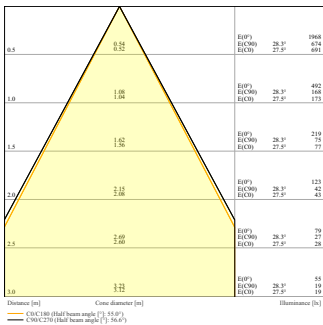
|                                                             |                     |
|-------------------------------------------------------------|---------------------|
| Nominal wattage                                             | 6.00 W              |
| Nominal voltage                                             | 220...240 V         |
| Mains frequency                                             | 50...60 Hz          |
| Nominal current                                             | 35.000 mA           |
| Inrush current                                              | 7.5 A               |
| Inrush current time $T_{h50}$                               | 40 $\mu$ s          |
| Max. number of luminaires per miniature circuit breaker B16 | 40                  |
| Max. number of luminaires per miniature circuit breaker C10 | 30                  |
| Max. number of luminaires per miniature circuit breaker C16 | 40                  |
| Power factor $\lambda$                                      | 0.50                |
| Total harmonic distortion                                   | < 35 %              |
| Protection class                                            | III                 |
| Operating mode                                              | External LED driver |

## Photometrical data

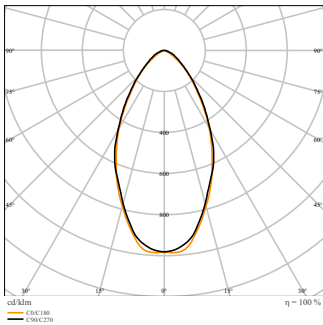
|                                              |                          |
|----------------------------------------------|--------------------------|
| Luminous flux                                | 540 lm <sup>1)</sup>     |
| Luminous efficacy                            | 90 lm/W <sup>2)</sup>    |
| 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 sdc <sub>m</sub>     |
| Low flicker                                  | Yes                      |
| Flickering metric (Pst LM)                   | <1                       |
| Stroboscope effect metric (SVM)              | <0.4                     |
| Photobiological safety group acc. to EN62778 | RG1                      |
| Beam angle                                   | 60 °                     |
| UGR                                          | < 25                     |

1) 540lm@4000K, 540lm@3000K, 500lm@2700K

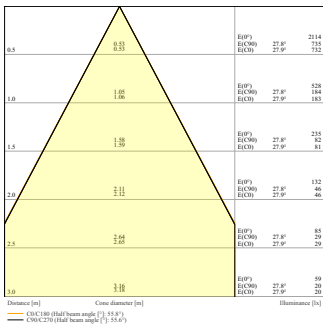
2) 90lm/W@4000K, 90lm/W@3000K, 83lm/W@2700K



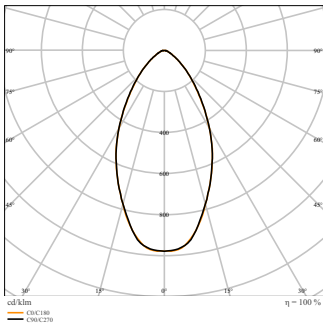
SP CBO DA ADJ V 6W MC 927  
IP65 WT



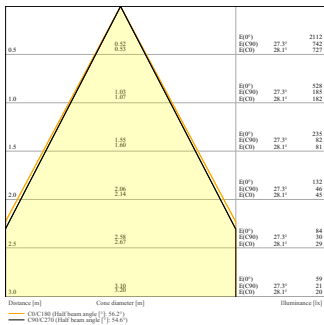
SP CBO DA ADJ V 6W MC 927  
IP65 WT



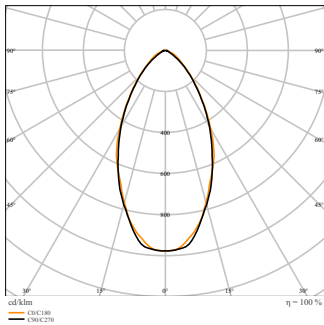
SP CBO DA ADJ V 6W MC 930  
IP65 WT



SP CBO DA ADJ V 6W MC 930  
IP65 WT



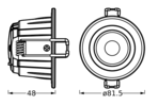
SP CBO DA ADJ V 6W MC 940  
IP65 WT



SP CBO DA ADJ V 6W MC 940  
IP65 WT

Dimensions & Weight

|                |          |
|----------------|----------|
| Diameter       | 81.50 mm |
| Height         | 48.00 mm |
| Product weight | 285.00 g |
| Cable length   | 550 mm   |



SP ADJ3.6/5.5W927/30/40  
60DEGIP65WT

Materials & Colors

|               |       |
|---------------|-------|
| Product color | White |
| Housing color | White |

|                                            |          |
|--------------------------------------------|----------|
| Body material                              | Aluminum |
| Cover material                             | Plastic  |
| Light emitting surface material            | Plastic  |
| Glow Wire Test according to IEC 60695-2-12 | 650 °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/IP20     |
| Protection class IK (shock resistance) | IK03          |
| Dimmable                               | Yes           |
| Type of dimming                        | DALI2         |
| Dimming range                          | 5...100 %     |
| Mounting type                          | Recessed      |
| Mounting location                      | Ceiling       |
| Application environment                | Indoor        |
| Mounting diameter                      | 68 mm         |
| Mounting depth                         | 48 mm         |
| Adjustable                             | Yes           |
| 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 L80/B50 at 25 °C  | 39000 h               |
| Lifespan L90/B10 at 25 °C  | 19000 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              | 150 mA |
| ECG - Output ripple current | < 6 %  |
| ECG - Length                | 180 mm |
| ECG - Width                 | 44 mm  |

|              |       |
|--------------|-------|
| ECG - Height | 32 mm |
|--------------|-------|

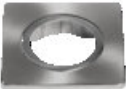
### Certificates & Standards

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Standards                                            | CE / UKCA / EAC |
| 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 ADJ SQUARE BN | 4099854097959 |
|   | SP CBO RING ADJ ROUND BK  | 4099854097911 |
|  | SP CBO RING ADJ SQUARE WT | 4099854097973 |
|  | SP CBO RING ADJ ROUND BN  | 4099854097935 |
|  | SP CBO RING ADJ SQUARE BK | 4099854097997 |

### EQUIPMENT / ACCESSORIES

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

### DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name                          |
|------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------|
|    | User instruction / safety instructions | SP CBO DA ADJ                          |
|    | Legal information                      | LSI SPOT COMBO DALI                    |
|    | Legal information                      | Informationstext 18 Abs 4 ElektroG     |
|    | Declarations of conformity             | SP CBO DA ADJ V 6W MC 930 IP65 WT LEDV |
|    | Declarations of conformity UKCA        | SP CBO DA ADJ V 6W MC 930 IP65 WT LEDV |
| Photometric and lighting design files                                              |                                        | Document name                          |
|    | IES file (IES)                         | SP CBO DA ADJ V 6W MC 927 IP65 WT LEDV |
|    | IES file (IES)                         | SP CBO DA ADJ V 6W MC 940 IP65 WT LEDV |
|   | IES file (IES)                         | SP CBO DA ADJ V 6W MC 930 IP65 WT      |
|  | LDT file (Eulumdat)                    | SP CBO DA ADJ V 6W MC 927 IP65 WT LEDV |
|  | LDT file (Eulumdat)                    | SP CBO DA ADJ V 6W MC 930 IP65 WT LEDV |
|  | LDT file (Eulumdat)                    | SP CBO DA ADJ V 6W MC 940 IP65 WT LEDV |
|  | ULD file (DIALux)                      | SP CBO DA ADJ V 6W MC 930 IP65 WT      |
|  | ROLF file (RELUX)                      | SP CBO DA ADJ V 6W MC 930 IP65 WT      |
|  | UGR file (UGR table)                   | SP CBO DA ADJ V 6W MC 927 IP65 WT      |
|  | UGR file (UGR table)                   | SP CBO DA ADJ V 6W MC 930 IP65 WT      |
|  | UGR file (UGR table)                   | SP CBO DA ADJ V 6W MC 940 IP65 WT      |
|  | Light distribution curve type cone     | SP CBO DA ADJ V 6W MC 927 IP65 WT      |
|  | Light distribution curve type cone     | SP CBO DA ADJ V 6W MC 930 IP65 WT      |
|  | Light distribution curve type cone     | SP CBO DA ADJ V 6W MC 940 IP65 WT      |

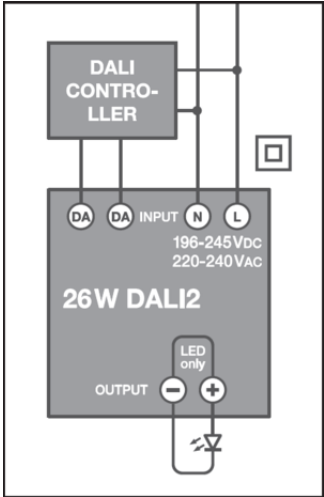
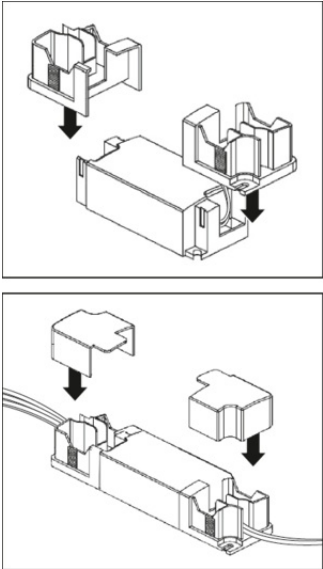
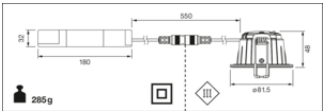
| Photometric and lighting design files                                            |                                     | Document name                     |
|----------------------------------------------------------------------------------|-------------------------------------|-----------------------------------|
|  | Light distribution curve type polar | SP CBO DA ADJ V 6W MC 927 IP65 WT |
|  | Light distribution curve type polar | SP CBO DA ADJ V 6W MC 930 IP65 WT |
|  | Light distribution curve type polar | SP CBO DA ADJ V 6W MC 940 IP65 WT |
| CAD/BIM files                                                                    |                                     | Document name                     |
|  | BIM Revit 3D                        | Spot Combo G2                     |
|  | CAD STEP 3D                         | SP CBO ADJ                        |

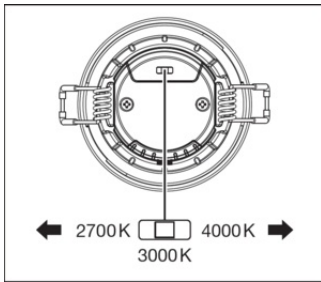
LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4058075846326 | Folding box<br>1             | 97 mm x 107 mm x 97 mm               | 362.00 g     | 1.01 dm³  |
| 4058075846333 | Shipping box<br>20           | 502 mm x 228 mm x 222 mm             | 7649.00 g    | 25.41 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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