

# PRODUCT DATASHEET

## SP AIR FIX P 6W 927 PS DIM IP65 WT

SPOT AIR FIX | Recessed mounted spotlight for low energy- and narrow ceilings, fixed



PERFOR-  
MANCE  
CLASS

### Areas of application

- Direct replacement for recessed spotlights with halogen lamps
- Ceilings in low energy houses
- General illumination
- Hotel rooms and corridors
- Bars, restaurants
- Accent lighting
- Residential interiors

### Product benefits

- Airtight construction for reduced air-leakage and limited energy loss
- Coverable by many types of thermal insulation material
- Low profile enables installation into shallow ceiling voids
- Powerselect: Brightness adjustment via dip switches on the driver
- Easy replacement of external driver thanks to plug with bayonet lock
- Easy installation and electrical connection thanks to tool-free electrical connectors
- SCALE Design – great appearance, valuable materials and small size fits into every surrounding
- 5 years guarantee

### Product features

- Color rendering index  $R_a$ : 90
- Type of protection: IP65 (room side)
- Beam angle: 36°
- Die-cast aluminum housing
- Silicon-pad protected springs



- Dimmable (with many common dimmers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim))
- Through-wiring possible

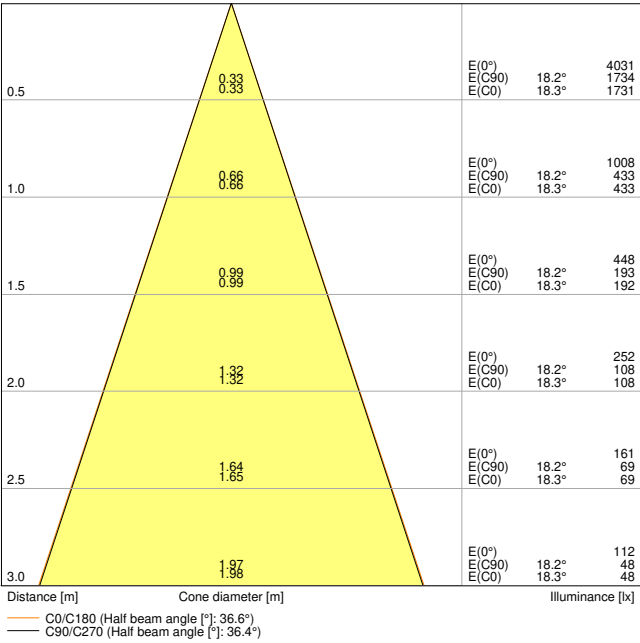
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**TECHNICAL DATA****Electrical data**

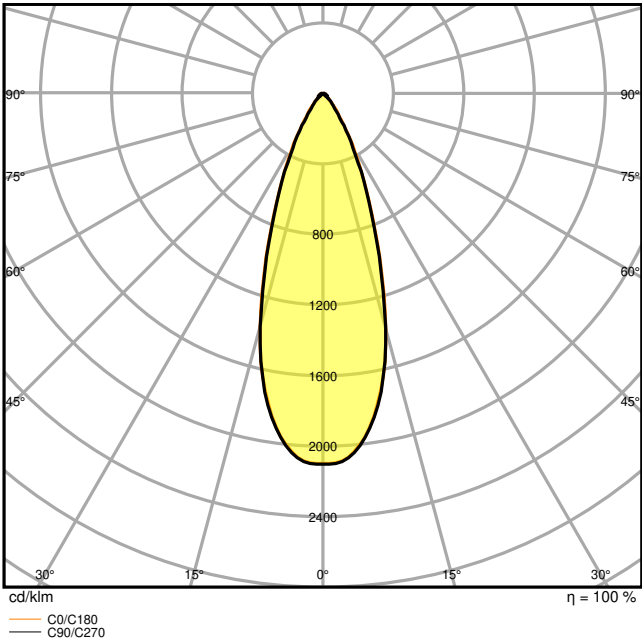
|                                                             |                               |
|-------------------------------------------------------------|-------------------------------|
| Nominal wattage                                             | 6 W / 4 W                     |
| Nominal voltage                                             | 220...240 V                   |
| Mains frequency                                             | 50...60 Hz                    |
| Nominal current                                             | 28mA / 20 mA                  |
| Inrush current                                              | 2 A                           |
| Inrush current time $T_{h50}$                               | 60 $\mu$ s                    |
| Max. number of luminaires per miniature circuit breaker B16 | 457                           |
| Max. number of luminaires per miniature circuit breaker C10 | 285                           |
| Max. number of luminaires per miniature circuit breaker C16 | 457                           |
| Power factor $\lambda$                                      | 0.90                          |
| Total harmonic distortion                                   | < 30 %                        |
| Protection class                                            | II                            |
| Surge capability (L-N)                                      | 1 kV                          |
| Surge capability (L/N-Ground)                               | 1 kV                          |
| Operating mode                                              | Electronic control gear (ECG) |
| Dimming interface                                           | Phase Cut                     |

**Photometrical data**

|                                                              |                           |
|--------------------------------------------------------------|---------------------------|
| Luminous flux                                                | 510 lm / 340 lm           |
| Total luminous flux of contained light sources               | 450 lm                    |
| Luminous efficacy                                            | 85 lm/W                   |
| Color temperature                                            | 2700 K                    |
| Reference control setting of contained light source (Kelvin) | 2700 K                    |
| Light color (designation)                                    | Warm white                |
| Color rendering index Ra                                     | 90                        |
| Standard deviation of color matching                         | $\leq 3$ sdc <sub>m</sub> |
| Luminous intensity                                           | 1060 cd                   |
| Low flicker                                                  | Yes                       |
| Flickering metric (Pst LM)                                   | < 1                       |
| Stroboscope effect metric (SVM)                              | <0.4                      |
| Photobiological safety group acc. to EN62778                 | RG1                       |
| Beam angle                                                   | 36 °                      |
| UGR                                                          | < 28                      |



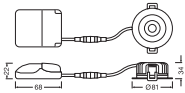
SP AIR FIX P 6W 927 PS DIM IP65 WT



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Dimensions & Weight

|                |          |
|----------------|----------|
| Diameter       | 81.00 mm |
| Height         | 34.00 mm |
| Product weight | 215.00 g |



SP AIR FIX P 6W PS DIM IP65

Materials & Colors

|                                 |                               |
|---------------------------------|-------------------------------|
| Product color                   | White                         |
| Housing color                   | White                         |
| RAL Color (most similar)        | RAL 9016                      |
| Body material                   | Aluminum                      |
| Cover material                  | Polymethylmethacrylate (PMMA) |
| Light emitting surface material | PMMA                          |

|                                            |        |
|--------------------------------------------|--------|
| 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                        | PHASE CUT     |
| Mounting type                          | Recessed      |
| Mounting location                      | Ceiling       |
| Application environment                | Indoor        |
| Mounting diameter                      | 68 mm         |
| Mounting depth                         | 35,0 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  | 41000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 41000 h               |
| Lifespan L90/B10 at 25 °C  | 18000 h               |
| Number of switching cycles | 30000                 |

<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              | 140 mA   |
| ECG - Output ripple current | < 10 %   |
| ECG - Length                | 68.00 mm |
| ECG - Width                 | 55,0 mm  |
| ECG - Height                | 22,0 mm  |

### Certificates & Standards

|                                                      |                                             |
|------------------------------------------------------|---------------------------------------------|
| Standards                                            | CE / CB / ENEC / TÜV SÜD / UKCA / EAC / EPD |
| Luminaire with limited surface temperature, "D sign" | No                                          |
| Ball shot safe                                       | No                                          |
| EPD                                                  | LEDV-00015-V01.01-EN                        |
| Replaceable light source (EPREL)                     | Not replaceable                             |

### Additional product data

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

### Accessories Optional

| Product image                                                                    | Product name              | EAN           |
|----------------------------------------------------------------------------------|---------------------------|---------------|
|  | CONNECTOR BOX 3POLE L/N/E | 4099854013508 |
|  | SP HOLDER DN68 H65        | 4099854013478 |

### EQUIPMENT / ACCESSORIES

- External control gear included with dip-switches to select power during installation

### Safety advice

- If there is a moisture barrier foil, the spacer SP HOLDER must be used!
- 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 SP AIR FIX P                              |
|  Addon technical information            | Dimmerlist SPOT GEN2                         |
|  Legal information                      | Light source Insert SP AIR FIX P PS DIM IP65 |

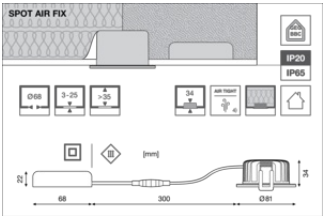
| Documents and certificates                                                         |                                     | Document name                           |
|------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------|
|    | Legal information                   | Informationstext 18 Abs 4 ElektroG      |
|    | Legal information                   | Safety Insert G11235002                 |
|    | Legal information                   | Legal Insert G11147513                  |
|    | Declarations of conformity          | CE Declaration of Conformity SPOT DIM   |
|    | Declarations of conformity UKCA     | UKCA Declaration of Conformity SPOT DIM |
|    | Declarations of conformity UKCA     | SP DIM                                  |
|    | Certificates                        | SP GEN2                                 |
| Photometric and lighting design files                                              |                                     | Document name                           |
|   | IES file (IES)                      | SP AIR FIX P 6W 927 PS DIM IP65 WT      |
|  | LDT file (Eulumdat)                 | SP AIR FIX P 6W 927 PS DIM IP65 WT      |
|  | ULD file (DIALux)                   | SP AIR FIX P 6W 927 PS DIM              |
|  | ROLF file (RELUX)                   | SP AIR FIX P 6W 927 PS DIM              |
|  | UGR file (UGR table)                | SP AIR FIX P 6W 927 PS DIM IP65 WT      |
|  | Light distribution curve type cone  | SP AIR FIX P 6W 927 PS DIM IP65 WT      |
|  | Light distribution curve type polar | SP AIR FIX P 6W 927 PS DIM IP65 WT      |
| CAD/BIM files                                                                      |                                     | Document name                           |
|  | BIM Revit 3D                        | SP AIR FIX 6W G2                        |
|  | CAD STEP 3D                         | SP AIR FIX                              |
| Tender texts                                                                       |                                     | Document name                           |
|  | Tender documents                    | SPOT AIR FIX 6W 927 PS DIM IP65 WT-EN   |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075799905 | Folding box<br>1             | 100 mm x 105 mm x 85 mm              | 259.00 g     | 0.89 dm <sup>3</sup>  |
| 4058075799912 | Shipping box<br>20           | 562 mm x 230 mm x 195 mm             | 5530.00 g    | 25.21 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



SPOT AIR FIX

68 300 Ø85

|                   |        |        |        |        |
|-------------------|--------|--------|--------|--------|
| SP AIR FIX        | ✓      | ✓      | ✗      | ✗      |
| SP AIR ADJUST     | ✓      | ✗      | ✗      | ✗      |
|                   | Preset |        |        |        |
|                   | ON     | ON     | ON     | ON     |
|                   | 1 2    | 1 2    | 1 2    | 1 2    |
| Current (CC)      | 85 mA  | 140 mA | 180 mA | 140 mA |
| Power             | 4 W    | 6 W    | 8 W    | 6 W    |
| % rated lumen FIX | 80 %   | 100 %  | 130 %  | 100 %  |
| % rated lumen ADJ | 100 %  | 130 %  | 200 %  | 130 %  |

References / Links

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

Legal advice

– Installation hints in the current user instruction ([www.ledvance.com](http://www.ledvance.com)) must be observed

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.