

# PRODUCT DATASHEET

## SP AIR ADJ P 4W 927 DIM IP23 BK

SPOT AIR ADJUST | Recessed mounted spotlight for low energy- and narrow ceilings, adjustable



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
- 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

- Adjustable swivel angle:  $\pm 25^\circ$
- Color rendering index  $R_a$ : 90
- Type of protection: IP23 (room side)
- Beam angle:  $36^\circ$
- 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

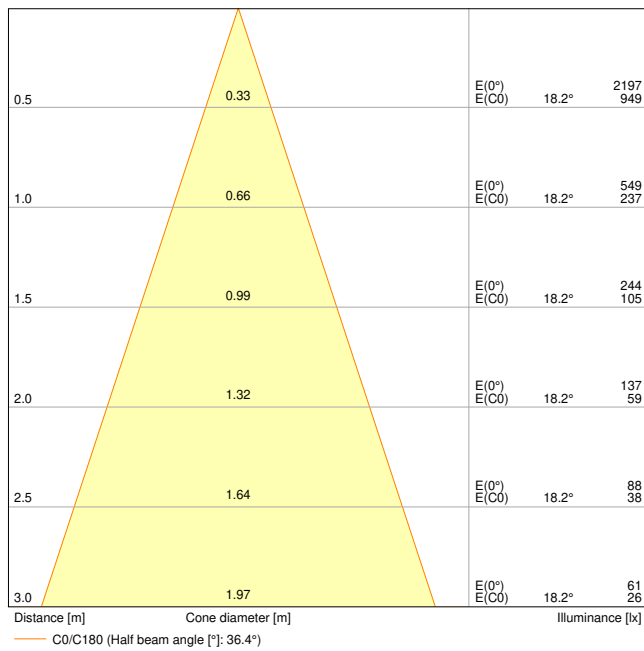
## TECHNICAL DATA

### Electrical data

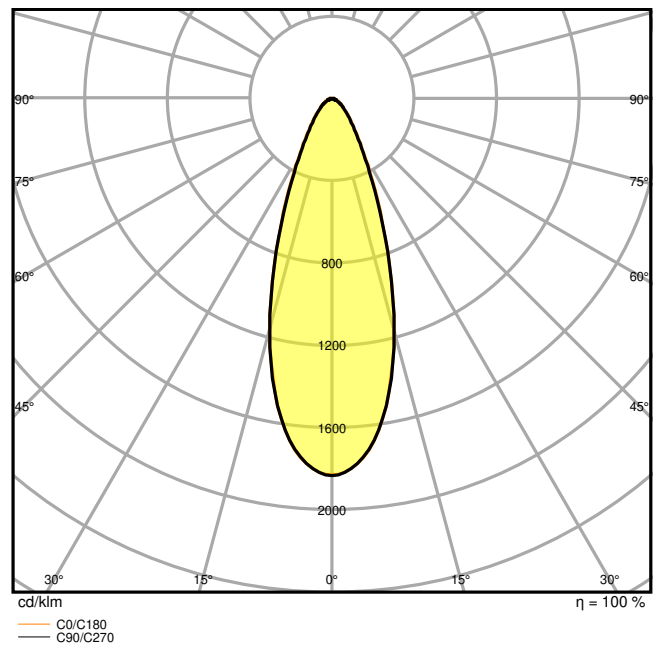
|   |                               |
|---|-------------------------------|
| Nominal wattage   | 4.00 W                        |
| Nominal voltage   | 220...240 V                   |
| Mains frequency   | 50...60 Hz                    |
| Nominal current   | 20.000 mA                     |
| Inrush current  | 2 A                           |
| Inrush current time $T_{h50}$                               | 60 $\mu$ s                    |
| Max. number of luminaires per miniature circuit breaker B16 | 376                           |
| Max. number of luminaires per miniature circuit breaker C10 | 300                           |
| Max. number of luminaires per miniature circuit breaker C16 | 480                           |
| Power factor $\lambda$                                      | 0.80                          |
| Total harmonic distortion                                   | < 20 %                        |
| Protection class  | II                            |
| Operating mode  | Electronic control gear (ECG) |
| Dimming interface   | Phase Cut                     |

### Photometrical data

|  |                           |
|--|---------------------------|
| Luminous flux                                | 300 lm                    |
| Luminous efficacy                            | 75 lm/W                   |
| Color temperature                            | 2700 K                    |
| Light color (designation)                    | Warm white                |
| Color rendering index Ra                     | 90                        |
| Standard deviation of color matching         | $\leq 3$ sdc <sub>m</sub> |
| Low flicker                                  | Yes                       |
| Photobiological safety group acc. to EN62778 | RG1                       |
| Beam angle                                   | 36 °                      |



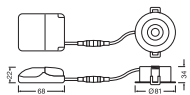
SP AIR ADJ P 4W 927 DIM IP23 BK



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Dimensions & Weight

|                |          |
|----------------|----------|
| Diameter       | 81.00 mm |
| Height         | 34.00 mm |
| Product weight | 190.00 g |



SP AIR ADJ P 4W DIM IP23

Materials & Colors

|  |                               |
|--|-------------------------------|
| Product color                              | Black                         |
| Housing color                              | Black                         |
| 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           | -42...+80 °C  |
| Type of connection                     | Push terminal |
| Type of protection                     | IP23/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                             | Yes           |
| With light source                      | Yes           |

### 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 | 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)

### Control gear



|                             |          |
|-----------------------------|----------|
| Output current              | 85 mA    |
| ECG - Output ripple current | < 5 %    |
| 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-00016-V01.01-EN |
| Replaceable light source (EPREL) | Not replaceable      |

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








Safety advice



- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- The luminaires are not suitable for covering with thermally insulated material.


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 |
|  Legal information                      | Legal Insert SP AIR                          |
|  Legal information                      | Informationstext 18 Abs 4 ElektroG           |

| Documents and certificates   |                                 | Document name                           |
|--|---------------------------------|---|
|  | 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 ADJ P 4W 927 DIM IP23 BK |
|    | LDT file (Eulumdat)                 | SP AIR ADJ P 4W 927 DIM IP23 BK |
|    | ULD file (DIALux)                   | SP AIR ADJ P 4W 927 DIM         |
|   | ROLF file (RELUX)                   | SP AIR ADJ P                    |
|  | UGR file (UGR table)                | SP AIR ADJ P 4W 927 DIM IP23 BK |
|  | Light distribution curve type cone  | SP AIR ADJ P 4W 927 DIM IP23 BK |
|  | Light distribution curve type polar | SP AIR ADJ P 4W 927 DIM IP23 BK |

| CAD/BIM files  |              | Document name |
|--|--------------|---------------|
|  | BIM Revit 3D | SP AIR ADJ G2 |
|  | CAD STEP 3D  | SP AIR ADJ    |

| Tender texts   |                  | Document name                         |
|--|------------------|---------------------------------------|
|  | Tender documents | SPOT AIR ADJUST 4W 927 DIM IP23 BK-EN |

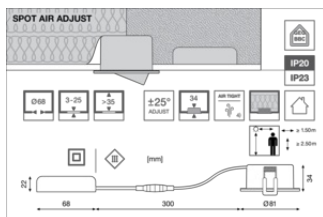
**LOGISTICAL DATA**

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4099854000201 | Folding box<br>1             | 100 mm x 105 mm x 85 mm              | 360.00 g     | 0.89 dm <sup>3</sup> |

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854000218 | Shipping box<br>20           | 562 mm x 230 mm x 195 mm             | 7870.00 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



|                   |       |       |       |       |
|-------------------|-------|-------|-------|-------|
| SP AIR FIX        | ✓     | ✓     | ✗     | ✗     |
| SP AIR ADJUST     | ✓     | ✗     | ✗     | ✗     |
|                   | ON    | ON    | ON    | ON    |
|                   | 1 2   | 1 2   | 1 2   | 1 2   |
|                   | 140mA | 180mA | 140mA | 140mA |
| Current (CC)      | 85 mA | 140mA | 180mA | 140mA |
| Power             | 4W    | 6W    | 8W    | 6W    |
| % 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.