

# PRODUCT DATASHEET

## SP AIR ADJ P 4W 930 DIM IP23 WT

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

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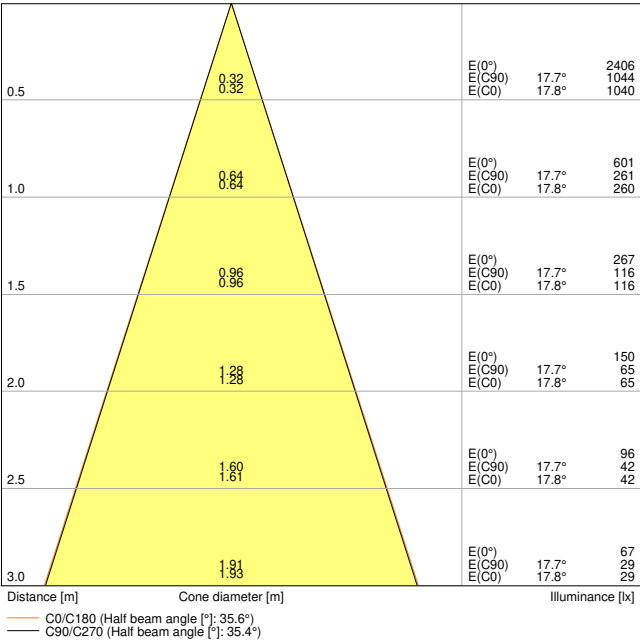
## TECHNICAL DATA

### Electrical data

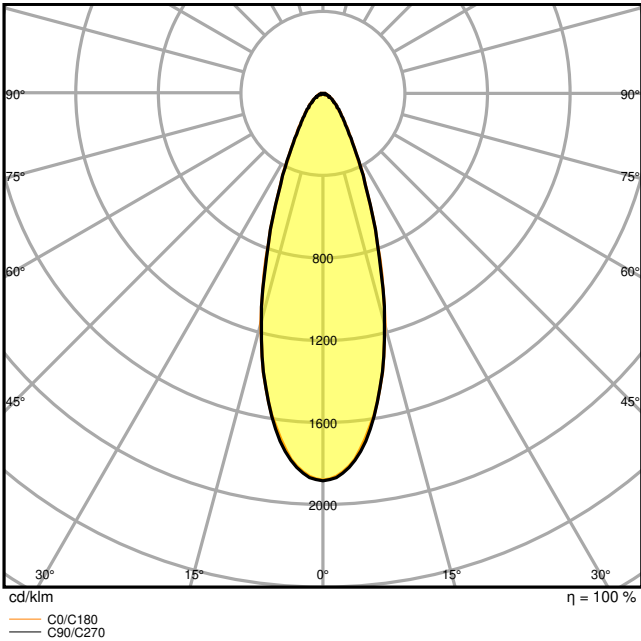
|                                                             |                               |
|-------------------------------------------------------------|-------------------------------|
| Nominal wattage                                             | 4.00 W                        |
| Nominal voltage                                             | 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) |

### Photometrical data

|                                              |               |
|----------------------------------------------|---------------|
| Luminous flux                                | 320 lm        |
| Luminous efficacy                            | 80 lm/W       |
| Color temperature                            | 3000 K        |
| Light color (designation)                    | Warm white    |
| Color rendering index Ra                     | 90            |
| Standard deviation of color matching         | $\leq 3$ sdcn |
| Low flicker                                  | Yes           |
| Photobiological safety group acc. to EN62778 | RG1           |
| Beam angle                                   | 36 °          |



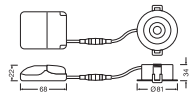
SP AIR ADJ P 4W 930 DIM IP23 WT



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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                              | White                         |
| Housing color                              | White                         |
| 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             |
| 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  | 41000 h <sup>1)</sup> |
| 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 |

## EQUIPMENT / ACCESSORIES

– External control gear included

## DOWNLOAD DATA

| Documents and certificates                                                                                         | Document name                                |
|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
|  User Instruction                  | UI SP AIR FIX P                              |
|  Addon Technical Information       | Light source Insert SP AIR FIX P PS DIM IP65 |
|  Addon Technical Information       | Dimmerlist SPOT GEN2                         |
|  Legal information                 | Legal Insert SP AIR                          |
|  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 930 DIM IP23 WT |
|  LDT file (Eulumdat)  | SP AIR ADJ P 4W 930 DIM IP23 WT |
|  ULD file (DIALux)    | SP AIR ADJ P 4W 930 DIM         |
|  ROLF file (RELUX)    | SP AIR ADJ P 4W 930 DIM         |
|  UGR file (UGR table) | SP AIR ADJ P 4W 930 DIM IP23 WT |

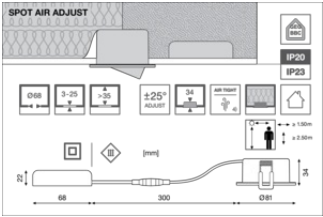
| Photometric and lighting design files                                            |                  | Document name                         |
|----------------------------------------------------------------------------------|------------------|---------------------------------------|
|  | LDC typ cone     | SP AIR ADJ P 4W 930 DIM IP23 WT       |
|  | LDC typ polar    | SP AIR ADJ P 4W 930 DIM IP23 WT       |
| 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 930 DIM IP23 WT-EN |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4099854000041 | Folding box<br>1             | 100 mm x 105 mm x 85 mm              | 360.00 g     | 0.89 dm³  |
| 4099854000058 | Shipping box<br>20           | 562 mm x 230 mm x 195 mm             | 7870.00 g    | 25.21 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



|                   |        |        |        |        |
|-------------------|--------|--------|--------|--------|
| SP AIR FIX        | ✓      | ✓      | ✗      | ✗      |
| SP AIR ADJUST     | ✓      | ✗      | ✗      | ✗      |
|                   | Preset | 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

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## DISCLAIMER

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