

# PRODUCT DATASHEET

## SP AIR FIX P 6W 930 PS DIM IP65 BK

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



### 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

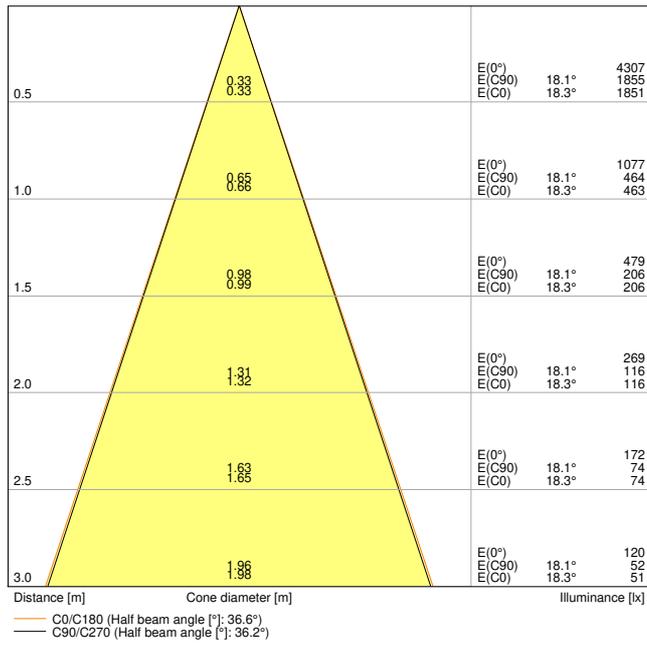
## TECHNICAL DATA

### Electrical data

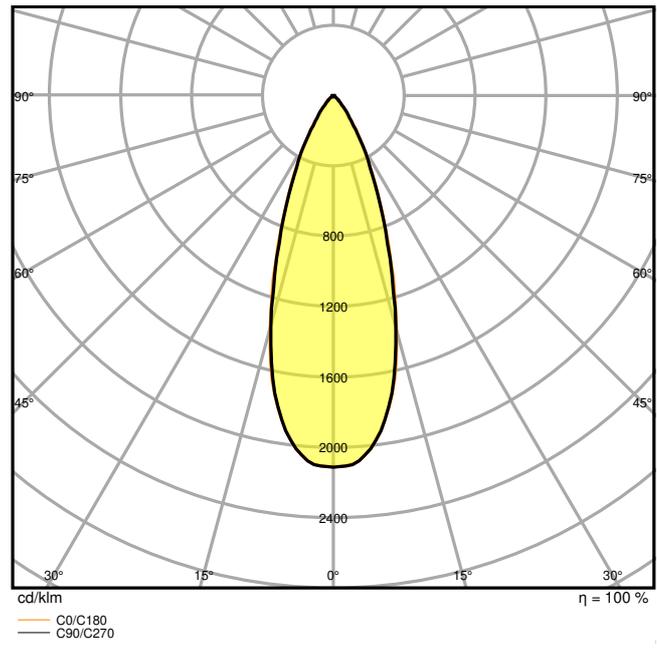
Nominal wattage	6.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	28.000 mA
Inrush current	2 A
Inrush current time $T_{h50}$	60 $\mu$ s
Max. no. of lum. on circuit break. B16 A	376
Max. no. of lum. on circuit break. C10 A	285
Max. no. of lum. on circuit break. C16 A	457
Power factor $\lambda$	0.90
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	Electronic control gear (ECG)

### Photometrical data

Luminous flux	510 lm
Luminous efficacy	85 lm/W
Color temperature	3000 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 °



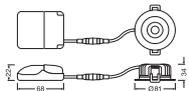
LDC typ cone



LDC typ polar

Dimensions & Weight

Diameter	81.00 mm
Height	34.00 mm
Product weight	215.00 g



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	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
LED module replaceable	Not replaceable
With light source	Yes

### Lifespan

Lifespan L70/B50 at 25 °C	50000 h
Lifespan L80/B10 at 25 °C	41000 h
Lifespan L90/B10 at 25 °C	18000 h
Number of switching cycles	100000

### Control gear

Output current	135 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
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No

## 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!

## DOWNLOAD DATA

Documents and certificates	
	User instruction
	Addon Technical Information
	Packaging insert
	Declarations Of Conformity CE
	Certificates
Photometric and lighting design files	
	IES file (IES)
	LDT file (Eulumdat)
	ULD file (DIALux)
	ROLF file (RELUX)
	UGR file (UGR table)
	LDC typ cone
	LDC typ polar
CAD/BIM files	
	BIM_Revit_3D

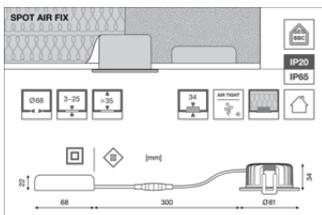
CAD/BIM files	
	CAD_STEP_3D
Tender texts	
	Tender documents

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075799967	Folding box 1	100 mm x 105 mm x 85 mm	385.00 g	0.89 dm <sup>3</sup>
4058075799974	Shipping box 20	562 mm x 230 mm x 195 mm	8270.00 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SP AIR ADJUST	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Preset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	ON	ON	ON	ON
	1 2	1 2	1 2	1 2
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	°C	°C	°C	°C
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.