PRODUCT DATASHEET
SP AIR ADJ P 4W 940 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: ±25°
- Color rendering index R_a: 90
- Type of protection: IP23 (room side)
- Beam angle: 36°
- Die-cast aluminum housing
- Silicon-pad protected springs
- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- Through-wiring possible

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TECHNICAL DATA

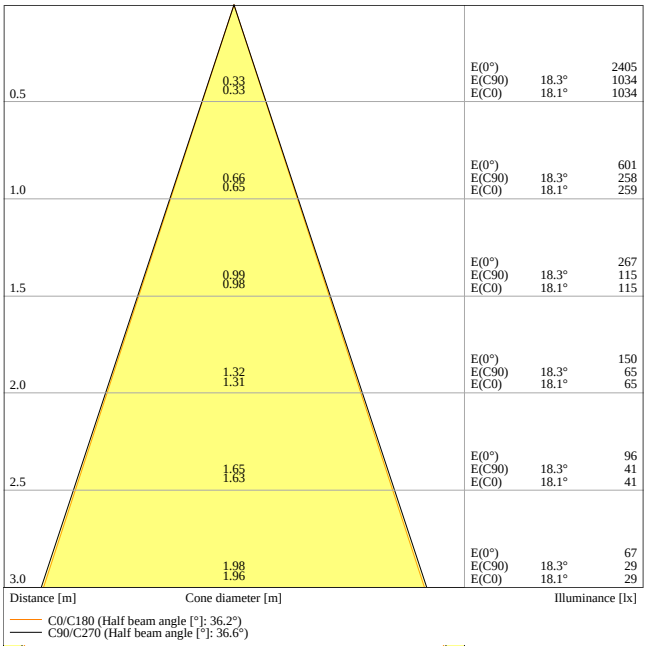
Electrical data

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 µs
Max. number of luminaires per miniature circuit breaker B16	480
Max. number of luminaires per miniature circuit breaker C10	300
Max. number of luminaires per miniature circuit breaker C16	480
Power factor λ	0.85
Maximum total harmonic distortion	< 40 %
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

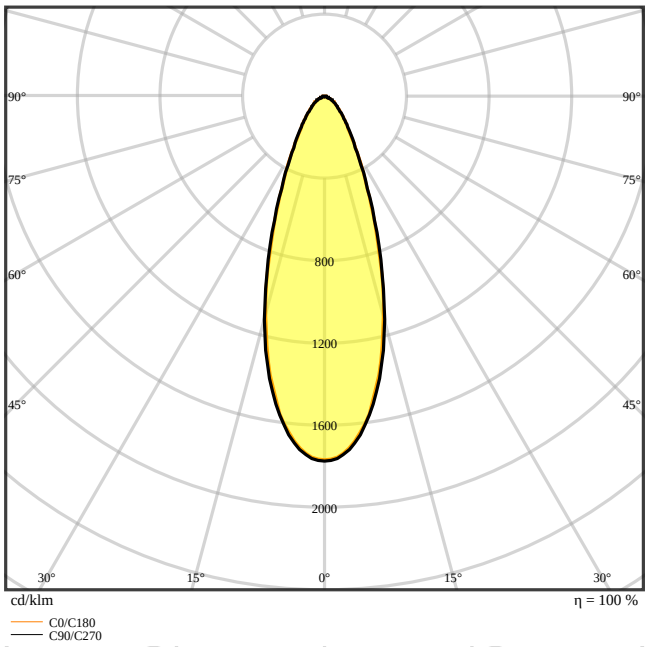
Photometrical data

Luminous flux	360 lm
Total luminous flux of contained light sources	320 lm
Luminous efficacy	90 lm/W
Color temperature	4000 K
Reference control setting of contained light source (Kelvin)	4000 K
Light color (designation)	Cool White
Color rendering index Ra	90
Standard deviation of color matching	≤3 sdcm
Luminous intensity	620 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

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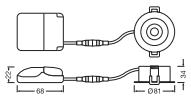
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Dimensions & Weight

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
RAL Color (most similar)	RAL 9016
Body material	Aluminum
Cover material	Polymethylmethacrylate (PMMA)
Light emitting surface material	PMMA

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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	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
Mechanically adjustable	Yes
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	50000 h [1)]
Lifespan L80/B10 at 25 °C	41000 h [1)]
Lifespan L80/B50 at 25 °C	41000 h
Lifespan L90/B10 at 25 °C	18000 h [1)]
Number of switching cycles	30000

1) 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
Output ripple current (100 Hz)	< 10 %
ECG - Length	68.00 mm
ECG - Width	55,0 mm
ECG - Height	22.00 mm

Certificates & Standards

Standards	CE / CB / ENEC / TÜV SÜD / UKCA / EAC / EPD

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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

Components for light control

Components Light Control

Product image	Product name	EAN
	MANUAL CONTROL UNIT SELECT DIM	4099854846724
	MANUAL CONTROL UNIT SELECT DIM EXCHANGEABLE	4099854846823
	PUSH CONTROL UNIT FM DALI-2 DIM	4099854846922

EQUIPMENT / ACCESSORIES

- External control gear included

Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.

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DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	UI SP AIR FIX P
PDF	Addon technical information	Dimmerlist SPOT GEN2
PDF	Legal information	Light source Insert SP AIR FIX P PS DIM IP65
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	Legal Insert G11147513
PDF	Legal information	Safety Insert G11244388
PDF	Declarations of conformity	CE Declaration of Conformity SPOT DIM
PDF	Declarations of conformity UKCA	UKCA Declaration of Conformity SPOT DIM
PDF	Declarations of conformity UKCA	SP DIM
PDF	Certificates	SP GEN2
PDF	EPD	EPD EN SPOTLIGHT AIR ADJUST GEN 2

	Photometric and lighting design files	Document name
IES	IES file (IES)	SP AIR ADJ P 4W 940 DIM IP23 WT
LDT	LDT file (Eulumdat)	SP AIR ADJ P 4W 940 DIM IP23 WT
ULD	ULD file (DIALux)	SP AIR ADJ P 4W 940 DIM
ROLF	ROLF file (RELUX)	SP AIR ADJ P 4W 940 DIM
	UGR file (UGR table)	SP AIR ADJ P 4W 940 DIM IP23 WT
	Light distribution curve type cone	SP AIR ADJ P 4W 940 DIM IP23 WT
	Light distribution curve type polar	SP AIR ADJ P 4W 940 DIM IP23 WT

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

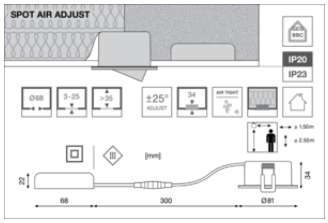
	Tender texts	Document name
	Tender documents	SPOT AIR ADJUST 4W 940 DIM IP23 WT-EN

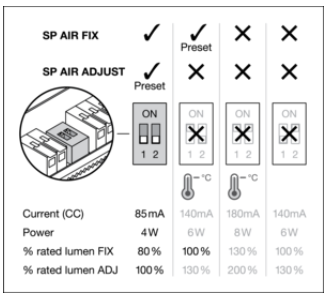
LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854000065	Folding box 1	100 mm x 105 mm x 85 mm	234.00 g	0.89 dm^3
4099854000072	Shipping box 20	562 mm x 230 mm x 195 mm	5030.00 g	25.21 dm^3

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





References / Links

- For Guarantee see www.ledvance.com/guarantee
- Discover our matching phase-cut dimmers www.ledvance.com/phase-cut-dimmers
- For dimming conformity see www.ledvance.com/dim

Legal advice

- Installation hints in the current user instruction (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.

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