

PRODUCT DATASHEET

SP ADJ P 8W 927 PS DIM IP20 BK

SPOT ADJUST | Recessed mounted spotlight for indoor use, adjustable



Areas of application

- Direct replacement for recessed spotlights with halogen lamps
- General illumination
- Hotel rooms and corridors
- Bars, restaurants
- Accent lighting
- Galleries, museums
- Residential interiors

Product benefits

- Energy savings of up to 90 % compared to halogen lamp spotlights
- 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

- Adjustable swivel angle: $\pm 25^\circ$
- Color rendering index R_a : 90
- 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

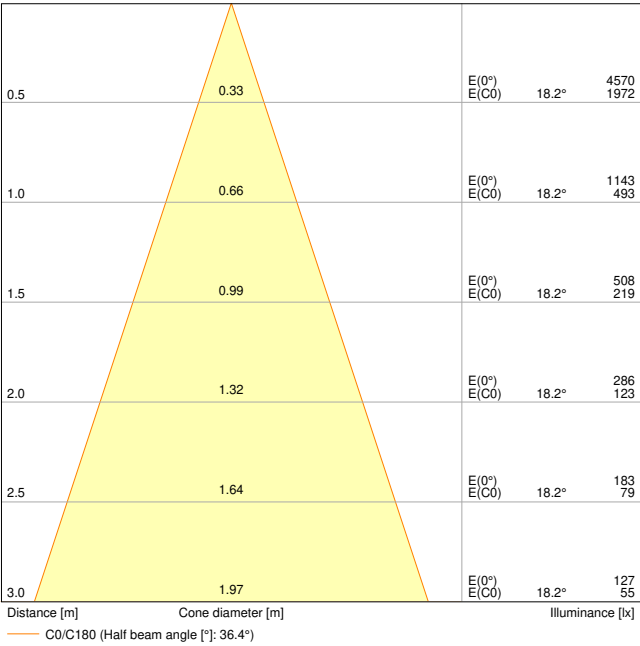


TECHNICAL DATA**Electrical data**

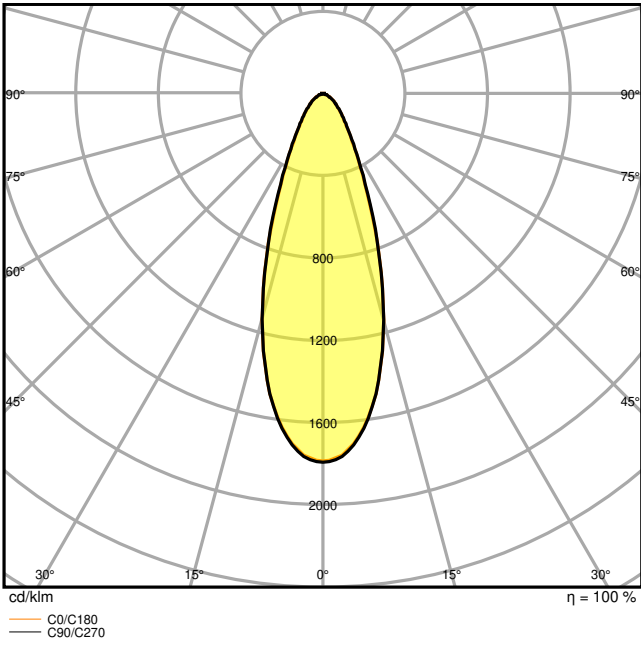
Nominal wattage	8 W / 6 W / 4 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	38.000 mA
Inrush current	2 A
Inrush current time T_{h50}	60 μ s
Max. number of luminaires per miniature circuit breaker B16	336
Max. number of luminaires per miniature circuit breaker C10	210
Max. number of luminaires per miniature circuit breaker C16	336
Power factor λ	0.90
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	Electronic control gear (ECG)
Dimming interface	Phase Cut

Photometrical data

Luminous flux	640 lm / 510 lm / 320 lm
Luminous efficacy	80 lm/W
Color temperature	2700 K
Light color (designation)	Warm white
Color rendering index Ra	90
Standard deviation of color matching	≤ 3 sdc _m
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Beam angle	36 °



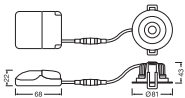
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Dimensions & Weight

Diameter	81.00 mm
Height	43.00 mm
Product weight	220.00 g



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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
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Application & Mounting

Ambient temperature range	-20...+40 °C
Temperature range at storage	-42...+80 °C
Type of connection	Push terminal
Type of protection	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	50,0 mm
Adjustable	Yes
LED module replaceable	Not replaceable
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	50000 h ¹⁾
Lifespan L80/B10 at 25 °C	41000 h ¹⁾
Lifespan L90/B10 at 25 °C	18000 h
Number of switching cycles	100000

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	180 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-00014-V01.01-EN

Additional product data

Added function	MULTI SELECT
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EQUIPMENT / ACCESSORIES

- External control gear included with dip-switches to select power during installation
- Refurbishment rings are available as accessory
- Selected DALI 2.0 driver available as accessory

DOWNLOAD DATA

Documents and certificates		Document name
	User Instruction	UI SP FIX P and SP FIX ADJ
	Addon Technical Information	Dimmerlist SPOT GEN2
	Legal information	Light source Insert SP FIX P PS DIM IP44
	Legal information	Legal Insert
	Legal information	Informationstext 18 Abs 4 ElektroG
	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 ADJ P 8W 927 PS DIM IP20 BK
	LDT file (Eulumdat)	SP ADJ P 8W 927 PS DIM IP20 BK

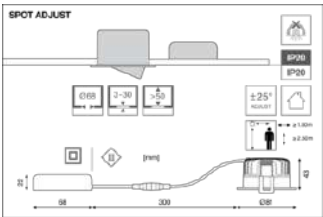
Photometric and lighting design files		Document name
	ULD file (DIALux)	SP ADJ P 8W 927 PS DIM
	ROLF file (RELUX)	SP ADJ P 8W 927 PS
	UGR file (UGR table)	SP ADJ P 8W 927 PS DIM IP20 BK
	LDC typ cone	SP ADJ P 8W 927 PS DIM IP20 BK
	LDC typ polar	SP ADJ P 8W 927 PS DIM IP20 BK
CAD/BIM files		Document name
	BIM_Revit_3D	SP ADJ G2
	CAD_STEP_3D	SP ADJ
Tender texts		Document name
	Tender documents	SPOT ADJUST 8W 927 PS DIM IP20 BK-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854000140	Folding box 1	100 mm x 105 mm x 85 mm	390.00 g	0.89 dm³
4099854000157	Shipping box 20	562 mm x 230 mm x 195 mm	8570.00 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



	✓	✓	✓	○
	ON	ON	ON	Proset
	1 2	1 2	1 2	1 2
Current (CC)	85 mA	140mA	180mA	140mA
Power	4 W	6W	8W	6 W
% rated lumen	50 %	80 %	100 %	80 %

References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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