# PRODUCT DATASHEET
# SP FIX P 8W 930 PS DIM IP44 SI

SPOT FIX | Recessed mounted spotlight for indoor use, fixed



## 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
- Multi Lumen: 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: IP44 (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

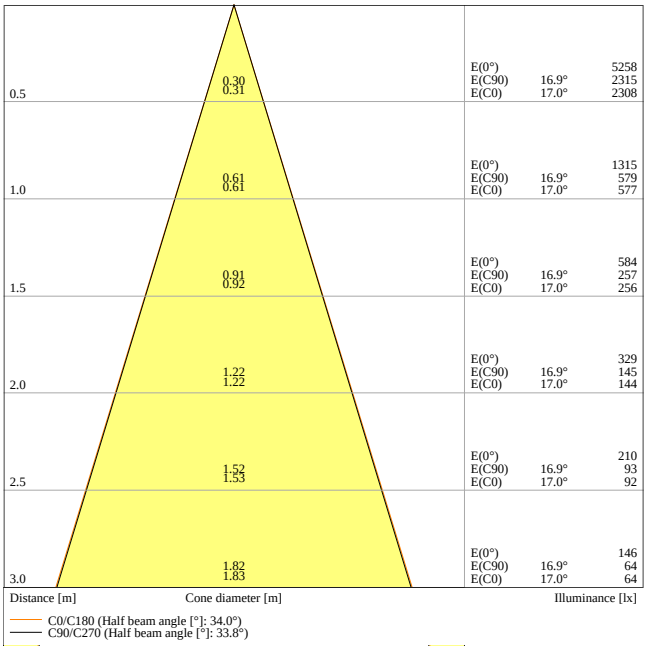
## Electrical data

| | |
|---|---|
| Nominal wattage | 8 W / 6 W / 4 W |
| Nominal voltage | 220…240 V |
| Mains frequency | 50…60 Hz |
| Nominal current | 37mA / 28mA / 20 mA |
| Inrush current | 2 A |
| Inrush current time $T_{h50}$ | 60 µs |
| 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 |
| Maximum total harmonic distortion | < 20 % |
| 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 |

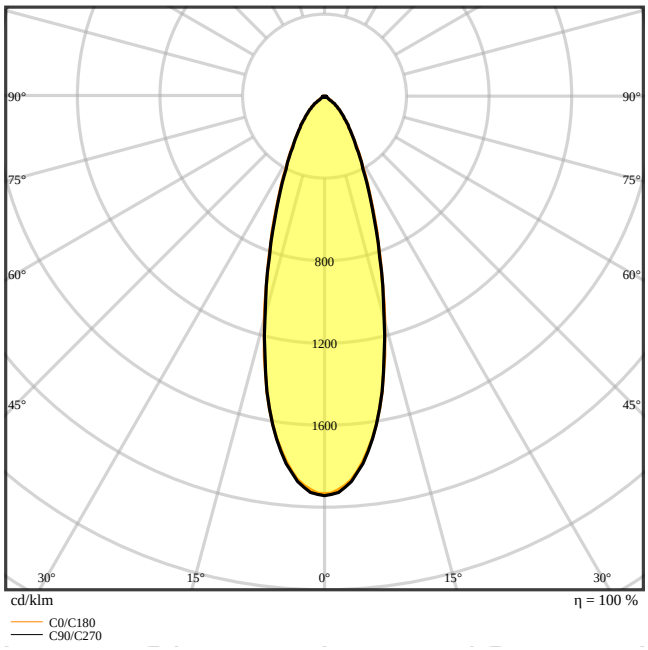
## Photometrical data

| | |
|---|---|
| Luminous flux | 680 lm / 510 lm / 340 lm |
| Total luminous flux of contained light sources | 620 lm |
| Luminous efficacy | 85 lm/W |
| Color temperature | 3000 K |
| Reference control setting of contained light source (Kelvin) | 3000 K |
| Light color (designation) | Warm White |
| Color rendering index Ra | 90 |
| Standard deviation of color matching | ≤3 sdcm |
| Luminous intensity | 1300 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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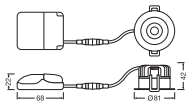

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## Dimensions & Weight

| | |
|---|---|
| Diameter | 81.00 mm |
| Height | 42.00 mm |
| Product weight | 240.00 g |



SP FIX P 8W PS DIM IP44

## Materials & Colors

| | |
|---|---|
| Product color | Silver |
| Housing color | Silver |
| RAL Color (most similar) | RAL 9006 |
| 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 | IP44~IP20 |
| Protection class IK (shock resistance) | IK05 |
| 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 |
| Mechanically adjustable | No |
| 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 | 180 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-00013-V01.01-EN |
| Replaceable light source (EPREL) | Not replaceable |

## Additional product data

| | |
|---|---|
| Added function | MULTI LUMEN |

## Accessories Optional

| Product image | Product name | EAN |
|---|---|---|
|  | SPOT FRAME 100X200 2X D68 BK | 4099854460081 |
|  | SPOT FRAME 100X200 2X D68 WT | 4099854460029 |
|  | SPOT FRAME 100X300 3X D68 WT | 4099854460203 |
|  | SPOT FRAME 100X200 2X D68 SI | 4099854460111 |
|  | SPOT FRAME 100X300 3X D68 BK | 4099854460258 |
|  | SPOT FRAME 100X100 1X D68 SI | 4099854459962 |
|  | SPOT FRAME 100X300 3X D68 SI | 4099854460289 |
|  | SPOT FRAME 100X100 1X D68 WT | 4099854459863 |


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| Product image | Product name | EAN |
|---|---|---|
|  | SPOT FRAME 100X100 1X D68 BK | 4099854459917 |
|  | SP RING D100 BK | 4099854136542 |
|  | SP RING D100 WT | 4099854136511 |
|  | SP DRIVER DALI 8W | 4099854089558 |
|  | SP RING D180 WT | 4099854013416 |
|  | CONNECTOR BOX 3POLE L/N/E | 4099854013508 |
|  | SP HOLDER DN68 H65 | 4099854013478 |
|  | SP RING D180 BK | 4099854013447 |
|  | SP RING D133 BK | 4099854013386 |
|  | SP RING D133 WT | 4099854013355 |

## Components for light control

| Components Light Control |
|---|


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| 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 with dip-switches to select power during installation
- Refurbishment rings are available as accessory
- Selected DALI 2.0 driver available as accessory

## 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 |
|---|---|---|
| PDF | User instruction / safety instructions | UI SP FIX P and SP FIX ADJ |
| PDF | Addon technical information | Dimmerlist SPOT GEN2 |
| PDF | Legal information | Light source Insert SP FIX P PS DIM IP44 |
| PDF | Legal information | Informationstext 18 Abs 4 ElektroG |
| PDF | Legal information | Legal Insert G11147511 |
| PDF | Legal information | Safety Insert G11262697 |
| PDF | Declarations of conformity | CE Declaration of Conformity SPOT DIM |
| PDF | Declarations of conformity UKCA | UKCA Declaration of Conformity SPOT DIM |


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| | Documents and certificates | Document name |
|---|---|---|
| PDF | Declarations of conformity UKCA | SP DIM |
| PDF | Certificates | SP GEN2 |
| PDF | EPD | EPD EN SPOTLIGHT FIX GEN 2 FIRE RATED |

| | Photometric and lighting design files | Document name |
|---|---|---|
| IES | IES file (IES) | SP FIX P 8W 930 PS DIM IP44 SI |
| LDT | LDT file (Eulumdat) | SP FIX P 8W 930 PS DIM IP44 SI |
| ULD | ULD file (DIALux) | SP FIX P 8W 930 PS DIM |
| ROLF | ROLF file (RELUX) | SP FIX P 8W 930 PS DIM |
| | UGR file (UGR table) | SP FIX P 8W 930 PS DIM IP44 SI |
| | Light distribution curve type cone | SP FIX P 8W 930 PS DIM IP44 SI |
| | Light distribution curve type polar | SP FIX P 8W 930 PS DIM IP44 SI |

| | CAD/BIM files | Document name |
|---|---|---|
| RFA | BIM Revit 3D | SP FIX G2 |
| STEP | CAD STEP 3D | SP FIX |

| | Tender texts | Document name |
|---|---|---|
| TXT | Tender documents | SPOT FIX 8W 930 PS DIM IP44 SI-EN |

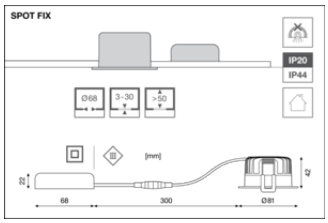
## LOGISTICAL DATA

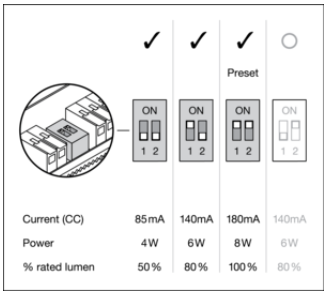
| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075799608 | Folding box<br>1 | 100 mm x 105 mm x 85 mm | 284.00 g | 0.89 $dm^3$ |
| 4058075799615 | Shipping box<br>20 | 562 mm x 230 mm x 195 mm | 6030.00 g | 25.21 $dm^3$ |


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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

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