

# PRODUCT DATASHEET

## LED SUP DL 190 15W 940 WW

LED SUPERIOR DOWNLIGHT | LED downlight luminaires, High Efficacy, High color rendering and Low-glare

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### Areas of application

- Offices
- Shops
- Hotels, restaurants
- Corridors



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### Product benefits

- Energy savings thanks to system efficacy of up to 140lm/W
- High color rendering makes this product an ideal solution for attractive lighting tasks
- Low UGR design ensures comfortable lighting in indoor applications
- High-grade aluminum housing and front ring ensure reliable operation
- Various CCT options and wattages provide more choices
- Good glare reduction (UGR < 19)
- Safety compliance certificates: CB, EU RoHS 2.0
- Type of protection: IP54 (room side) provides additional protection against humidity
- Low maintenance costs thanks to a lifetime of up to 50,000 h

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### Product features

- High system efficiency up to 140 lm/W
- 100-277 V wide voltage operation models available
- Color rendering index  $R_a > 90$
- Available in 6W, 9W, 12W, 15W and 18W



- Standard CCT: 4000K, 6500K & 3000K
- Power factor: > 0.9
- Flicker free driver
- EMC suppression circuit in driver
- Type of protection: IP54 (frontside), IP20 (backside)

## TECHNICAL DATA

### Electrical data

Nominal wattage	15.00 W
Nominal voltage	100...277 V
Mains frequency	50...60 Hz
Power factor $\lambda$	0.90
Protection class	II
Operating mode	External LED driver

### Photometrical data

Luminous flux	2100 lm
Luminous efficacy	140 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	90
Standard deviation of color matching	< 3 sdcm
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62471	RG0
Beam angle	65 °
UGR	< 19

### Dimensions & Weight

Diameter	220.00 mm
Height	82.00 mm
Product weight	660.00 g
0	

### Materials & Colors

Product color	White
Housing color	White
Body material	Aluminum
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

### Application & Mounting

Ambient temperature range	-20...+45 °C
Temperature range at storage	-20...+80 °C
Type of connection	Cable, 2-pole
Type of protection	IP54/IP20
Protection class IK (shock resistance)	IK02
Dimmable	No
Mounting type	Recessed
Mounting location	Ceiling
Application environment	Indoor
Mounting depth	≥ 30 mm
With light source	Yes
Replaceable light source	No

Lifespan


Lifespan L70/B50 at 25 °C	50000 h <sup>1)</sup>
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1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Certificates & Standards

Replaceable light source (EPREL)	Not replaceable
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DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	LDSUP DL

Photometric and lighting design files		Document name
	IES file (IES)	LDSUP DL 190 15W 940 WW

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854101151	Folding box 1	262 mm x 108 mm x 266 mm	961.00 g	7.53 dm³
4099854101168	Shipping box 16	545 mm x 452 mm x 563 mm	16973.00 g	138.69 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.

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## DISCLAIMER

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