PRODUCT DATASHEET
LED SUP DL 150 12W 930 WV

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

Areas of application

– Offices
– Shops
– Hotels, restaurants
– Corridors

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

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	12.00 W
Nominal voltage	100…277 V
Mains frequency	50…60 Hz
Power factor λ	0.90
Protection class	II
Operating mode	External LED driver

Photometrical data

Luminous flux	1600 lm
Luminous efficacy	133 lm/W
Color temperature	3000 K
Light color (designation)	Warm 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	180.00 mm
Height	65.00 mm
Product weight	410.00 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 [1]

[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

DOWNLOAD DATA

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

	Photometric and lighting design files	Document name
IES	IES file (IES)	LDSUP DL 150 12W 930 WV

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854101076	Folding box 1	215 mm x 84 mm x 219 mm	610.00 g	3.96 dm³
4099854101083	Shipping box 24	526 mm x 449 mm x 468 mm	16046.00 g	110.53 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.

DISCLAIMER

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