PRODUCT DATASHEET
LED ECO Downlight 18.00 W 4000 K GEN1

LED ECO DOWNLIGHT | Spotlights and downlights

Areas of application

– Corridors, entrances, foyers, stairwells, elevators

Product benefits

– Low flicker light thanks to special electronic control gear
– Photobiological safety according to IEC 62471, risk group RG0

Product features

– Available with color temperature: 3,000 K, 4,000 K, 6,500 K
– Long lifetime (L70/B50): up to 15,000 h
– Color rendering index R_a: ≥ 80
– Direct connection to AC power supply
– Mercury-free and RoHS compliant
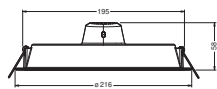
TECHNICAL DATA

Electrical data

Nominal wattage	18.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	135.000 mA
Power factor λ	0.50
Protection class	II
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	1400 lm
Luminous efficacy	77 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥80
Standard deviation of color matching	6 sdcm
Beam angle	110 °

Dimensions & Weight

Diameter	216.00 mm
Height	58.00 mm
Product weight	195.00 g

LDECO DL80 18W G1

Materials & Colors

Product color	White
Housing color	White
Body material	Plastic
Cover material	Polycarbonate (PC)

Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20…+40 °C
Temperature range at storage	-20…+70 °C
Type of protection	IP20
Dimmable	No
Mounting type	Surface
Mounting location	Ceiling
Application environment	Indoor
Mounting diameter	195.0…205.0 mm
Mounting depth	100 mm
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	15000 h [1]
Number of switching cycles	15000

[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

	Photometric and lighting design files	Document name
	IES file (IES)	LDECO DL80 18W 840 G1

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075342156	Folding box 1	220 mm x 72 mm x 225 mm	311.00 g	3.56 dm^3
4058075342163	Shipping box 10	455 mm x 385 mm x 245 mm	4098.00 g	42.92 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.

DISCLAIMER

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