

MINI DOWNLIGHT MDL IP44 ALUMINIUM ANODIZED



SPECIFICATION TEXT

MDL IP44, Mini-LED recessed downlight, round, with Osram Oslon Square SMD LED technology. The LED lens optic with diffuser from transparent PMMA is mounted set back in a black cylindrical housing made from polycarbonate. Luminaire dimensions: \varnothing 45mm, height: 39mm, recessed depth: 50mm, weight: 0,05kg, ceiling cut-out: 35mm. Housing from aluminum; recessed ring from aluminium powder coated in aluminium anodized. Toolless mounting of the luminaire by means of retaining springs for ceiling thicknesses of 3-25mm. Permissible ambient temperature (ta): - 20°C - + 25°C. Light head is fixed. Colour temperature 3000K, colour rendition CRI Ra>90. Luminaire luminous flux 120lm | 3W | 700mA or 90lm | 2W | 500 mA or 70lm | 1W | 350mA. Connection of the LED light head to the driver via flexible supply cable (length 400mm) with plug-connector, strain-relieved on both sides. Beam angle 24°, degree of protection below the ceiling IP44 | above the ceiling IP20 – electrical protection class III – Product service life: 50.000 h at 25° C | L80 B10 | CE test mark.

Accessories: multi -connector triple low voltage IP20 MGL0014, multi-connector sextuple low voltage IP20 MGL0015, extension line low voltage IP20 MGL0016



PRODUCT FEATURES & TECHNICAL DATA

Application area	residential, hotel , restaurant, showcases, bathrooms
Luminaire type	LED-Downlight, mini
Light head	fixed
Light source	Osram Oslon Square SMD LED
Mounting	recessed
Luminaire optic	reflector black
Connected load	3,0 W
Operating current	700mA
Operating voltage	DC 3 V
Colour temperature	3000 K
Rated luminous flux	120 lm
Light output ratio	72
Luminous efficiency	40 lm/W
Colour rendition index	>90
Luminaire colour	aluminium anodized
Electrical design	See driver recommendation
Connection method	MGL plug connector system
Degree of protection	IP44 (below the ceiling)
Protection class	III
Height	39 mm
Outer diameter	45 mm
Recessed depth	50 mm
Ceiling cut-out	35 mm
Weight	0,05 kg

RECOMMENDED DRIVERS – ENEC CERTIFIED

Light head must only be operated with MGL drivers:

* Driver does not fit into the drill hole \varnothing 35mm! Min. 3 luminaires must be connected, otherwise LEDs will be destroyed!

switchable	MGL 0063 for 1-3 luminaires
dimmmable DALI	MGL 0036 * 3-10 luminaires
dimmmable 1 – 10 V	MGL 0037 * 3-10 luminaires
dimmmable PUSH DIM	MGL 0064 *, MGL0037 * 3-10 luminaires
dimmmable PHASE DIM	MGL 0064 * 3-10 luminaires

Further drivers see driver matrix in MGL General Catalogue

LIGHT DISTRIBUTION

Distance	Light cone	Lx E _m
0,5 m	0,21 m \varnothing	1516 Lx
1,0 m	0,41 m \varnothing	343 Lx
1,5 m	0,62 m \varnothing	150 Lx
2,0 m	0,82 m \varnothing	83 Lx
2,5 m	1,03 m \varnothing	53 Lx

3000 K

