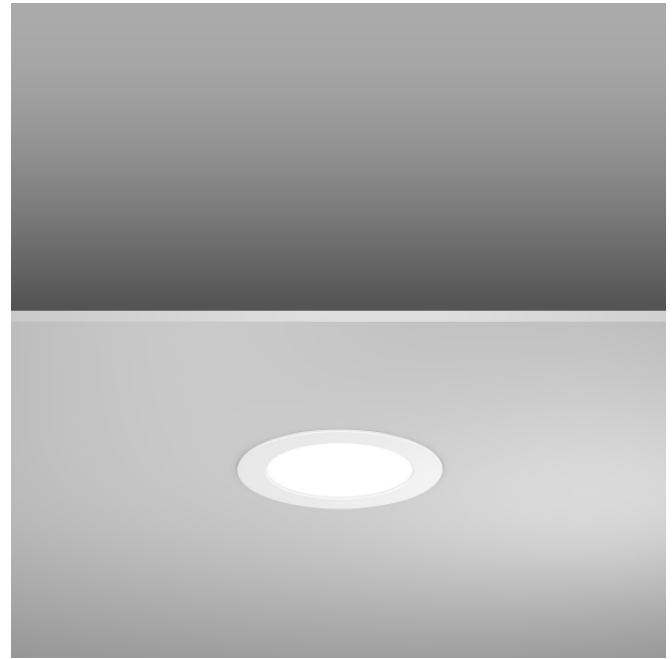
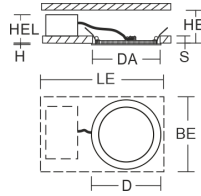


Toledo Flat Round

901452.002 | Recessed downlights

Recessed downlights
4051859051428
LED
D 190, H 2, HEL 31-51



Ultra thin recessed LED downlight. Housing: die-cast aluminium. Light guide and diffuser made of non-yellowing PMMA, opal matt. Can be directly covered with thermal insulation material. Ceiling installation with spring system. Mounting depth depends on ceiling strength. Including separate LED converter with connecting cable 250 mm. Surface mounted housing as accessory for all sizes. Retrofittable decorative cylinders made of chintz fabric as accessory, optional with satin finish plastic diffuser. Through-wiring box (5 pole) available as accessory.

Colour

Colour white

Dimensions

Diameter D 190 mm
Height H 2,5 mm
Cut-out diameter DA 170 mm
Recess height HE 27-53 mm
Luminaire: recess height HEL 31-51 mm
Ceiling thickness S 1-20 mm
Dimensions L 93 x B 34 x H 21 mm
Weight 370 g

Lamp

Lamp LED
Colour temperature 3000K
Colour rendering index (CRI) 80
Colour tolerance 4
Rated life 50000 h (L70/B10)
Photobiological safety according to EN 62471 Risk group 0

Lighting technology

Colour temperature 3.000 K
Rated luminous flux 780 lm
Glare evaluation UGR (4H 8H) 1 26,4
Beam angle Down 1 111°
Beam angle combined Up 1 0°

Electrical

Control gear Converter
Voltage 220 - 240 V / 50 - 60 Hz
Luminaires on B10A fuse 53
Luminaires on B16A fuse 85
Luminaires on C10A fuse 89
Luminaires on C16A fuse 143
Inrush current / Inrush current duration 30 A / 180 µs
System power 7,7 W
Luminaire efficacy 102 lm/W
Power factor 0,5

Approbations

Type of protection IP 54
Protection class II
Filament test 650°C - 30 seconds
Impact resistance IK06 (1 Joule)
Safety marks F-mark
Ambient temperature min. -20 °C
Ambient temperature max. 35 °C
ULOR 0
Conformity mark CE, EAC
CIE Flux Code / CEN Flux Code 47 79 96 100 100
Energieeffizienzklasse 2019/2015 D
Non-maintained power mode Umgebungstemperatur / temperature ambiante => -20 °C ... + 35 °C

Toledo Flat Round

901452.002 | Recessed downlights



Accessories

982073.002	Surface mounted housing D 192, H 55 Surface mounted housing for Toledo Flat Round D 190
982320.002	Chintz lampshades D 195, H 60 Chintz decorative cylinder for Toledo Flat Round D 190
982703.002	Through-wiring box DALI L 98, B 55, H 28 Through-wiring box, 5 pole