

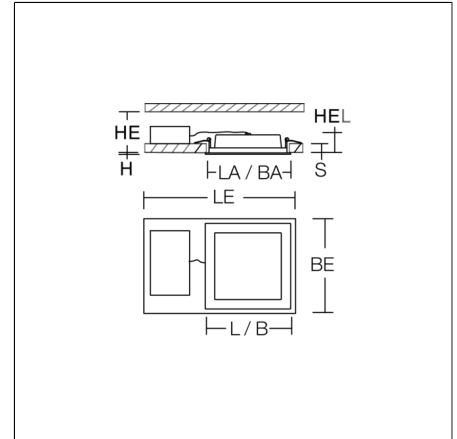
TOLEDO FLAT+ square

901817.002 | Recessed downlights



Recessed downlights
4051859979227
L 310, B 310, H 2

Recessed ceiling mounting
white



Flexible square recessed multifunction downlight. Housing: sheet steel, powder-coated. Luminaire frame: aluminium, powder-coated. Light guide and diffuser made of non-yellowing PMMA, opal matt. LED backlight technology for homogeneous illumination of the entire light-emitting surface. MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 4000 K. MultiLumen: 4 steps adjustable luminous flux. Factory setting is step 2. Suitable for Recessed ceiling mounting. Ceiling installation with spring system. Can be directly covered with thermal insulation material (applies only to the lower lumen levels). Including separate LED converter with connecting cable 250 mm. Suitable for through-wiring with separately available accessories. Through-wiring box (5 pole) available as accessory. Surface mounted housing as accessory for all sizes.

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Product specifications

Length L	310 mm
Width B	310 mm
Height H	2 mm
Cut-out length LA	297 mm
Cut-out width BA	297 mm
Luminaire: recess height HEL	42 mm
Ceiling thickness S	1-20 mm
Installation space length LE	470 mm
Installation space width BE	410 mm
Installation space height HE	60 mm
Weight	0.96 kg
Light source	LED
Colour temperature	3000 K 4000 K
Rated luminous flux	1650 lm 2150 lm 2650 lm 3050 lm
System power	12 W 16 W 20 W 23 W
System efficiency	133 lm/W 133 lm/W 134 lm/W 138 lm/W
Glare evaluation UGR (4H 8H)	23,6 24,6 25,3 25,8
Beam angle	112°
Rated life	50000 h (L80/B10)
Colour rendering index (CRI)	80
Colour tolerance	3
Photobiological safety according to EN 62471	Risk group 1
Driver	Converter
Control	on/off
Voltage	220 - 240 V / 50 Hz, 60 Hz
Luminaires on B10A fuse	35
Luminaires on B16A fuse	56
Luminaires on C10A fuse	40
Luminaires on C16A fuse	64
Inrush current / Inrush current duration	14 A / 166 µs
CIE Flux Code / CEN Flux Code	47 79 96 100 100
Type of protection	IP 54 on room side IP 20
Protection class	II
Filament test	650 °C
Impact resistance	IK03
Ambient temperature	-20 °C ... + 35 °C
Safety marks	Do not cover the recessed luminaire!
Conformity mark	CE, EAC

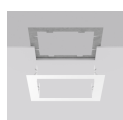
Accessories



982923.002
Surface mounted housing



982703.002
Through-wiring box



983083.002
refurbishment frames for recessed luminaires



983110.002
HF movement sensor in separate box.