

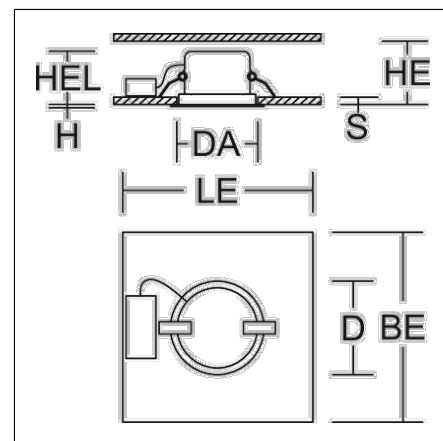
LEDONA round

901797.002.1.76 | Recessed downlights



Recessed downlights
4051859917977
D 180, H 3

Recessed ceiling mounting
traffic white, matt (RAL 9016)



Recessed LED downlight featuring advanced technology and sophisticated design. Housing: die-cast aluminium constructed as heat sink. Bezel ring: die-cast aluminium, powder-coated. Standard Gore™ Protective Vents diaphragm valve to avoid condensation. Luminaire also maintains the high protection type inside the false ceiling (does not apply to converter, IP 20). Closed version. Cover clear single-pane toughened glass. Faceted reflector: parabolic four-segment design, frosted aluminium, with highly polished light mixing chamber. MultiLumen: Luminous flux adjustable in different steps. Best colour rendering index Ra>90. Installation without tools thanks to spring fastening system. Connected converter included in separate gearbox. With connecting cable (L 250 mm). Suitable for through wiring as standard. Ball impact proof in accordance with DIN 18032-3. Suitable for use in the food and drinks industry.

Product specifications

Diameter D	180 mm
Height H	3 mm
Cut-out diameter DA	160 mm
Luminaire: recess height HEL	92 mm
Ceiling thickness S	1-20 mm
Installation space length LE	500 mm
Installation space width BE	500 mm
Installation space height HE	92 mm
Weight	1.2 kg
Light source	LED
Colour temperature	4000 K
Rated luminous flux	1650 lm 2650 lm 3550 lm 4750 lm
System power	12 W 19 W 27 W 39 W
System efficiency	122 lm/W 131 lm/W 138 lm/W 139 lm/W
Glare evaluation RUG (4H 8H)	18,7 20,4 21,4 22,4
Beam angle	65°
LED rated life	100000 h (L80/B50) 50000 h (L90/B10)
Colour rendering index (CRI)	90
Colour tolerance (McAdam)	2 SDCM
Photobiological safety according to EN 62471	Risk group 1
Driver	Converter, dimmable
Control	DALI
Voltage	220 - 240 V / 50 Hz, 60 Hz
Luminaires on B10A fuse	18
Luminaires on B16A fuse	30
Luminaires on C10A fuse	23
Luminaires on C16A fuse	36
Inrush current / Inrush current duration	50 A / 10 µs
CIE Flux Code / CEN Flux Code	89 99 100 100 100
Type of protection	IP 65 on room side IP 20
Protection class	II
Filament test	850 °C

LEDONA round

901797.002.1.76 | Recessed downlights



Impact resistance	IK07
Ambient temperature	5 °C to +35 °C
Safety marks	Do not cover the recessed luminaire!
Conformity mark	CE, EAC

Accessories



982703.002
Through-wiring box



982622.002
refurbishment frames for recessed luminaires

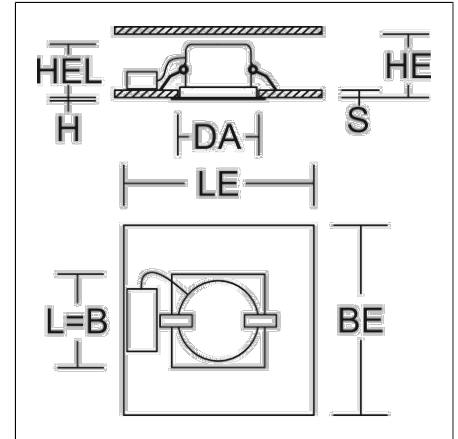
LEDONA square

901798.002.1.76 | Recessed downlights



Recessed downlights
4051859918011
L 170, B 170, H 3

Recessed ceiling mounting
traffic white, matt (RAL 9016)



Recessed LED downlight featuring advanced technology and sophisticated design. Housing: die-cast aluminium constructed as heat sink. Square cover plate: die-cast aluminium, powder coated. Round ceiling cut-out also with square types. Closed version. Cover clear single-pane toughened glass. Standard Gore™ Protective Vents diaphragm valve to avoid condensation. Luminaire also maintains the high protection type inside the false ceiling (does not apply to converter, IP 20). Faceted reflector: parabolic four-segment design, frosted aluminium, with highly polished light mixing chamber. MultiLumen: Luminous flux adjustable in different steps. Best colour rendering index Ra>90. Installation without tools thanks to spring fastening system. Connected converter included in separate gearbox. With connecting cable (L 250 mm). Suitable for through wiring as standard. Ball impact proof in accordance with DIN 18032-3. Suitable for use in the food and drinks industry.

Product specifications

Length L	170 mm
Width B	170 mm
Height H	3 mm
Cut-out diameter DA	160 mm
Luminaire: recess height HEL	92 mm
Ceiling thickness S	1-20 mm
Installation space length LE	500 mm
Installation space width BE	500 mm
Installation space height HE	92 mm
Weight	1.2 kg
Light source	LED
Colour temperature	4000 K
Rated luminous flux	1650 lm 2650 lm 3550 lm 4750 lm
System power	12 W 19 W 27 W 39 W
System efficiency	122 lm/W 131 lm/W 138 lm/W 139 lm/W
Glare evaluation RUG (4H 8H)	18,7 20,4 21,4 22,4
Beam angle	65°
LED rated life	100000 h (L80/B50) 50000 h (L90/B10)
Colour rendering index (CRI)	90
Colour tolerance (McAdam)	2 SDCM
Photobiological safety according to EN 62471	Risk group 1
Driver	Converter, dimmable
Control	DALI
Voltage	220 - 240 V / 50 Hz, 60 Hz
Luminaires on B10A fuse	18
Luminaires on B16A fuse	30
Luminaires on C10A fuse	23
Luminaires on C16A fuse	36
Inrush current / Inrush current duration	50 A / 10 µs
CIE Flux Code / CEN Flux Code	89 99 100 100 100
Type of protection	IP 65 on room side IP 20
Protection class	II

LEDONA square

901798.002.1.76 | Recessed downlights



Filament test	850 °C
Impact resistance	IK07
Ambient temperature	5 °C to +35 °C
Safety marks	Ball impact proof in accordance with DIN 18032-03, Do not cover the recessed luminaire!
Conformity mark	CE, EAC

Accessories



982703.002
Through-wiring box

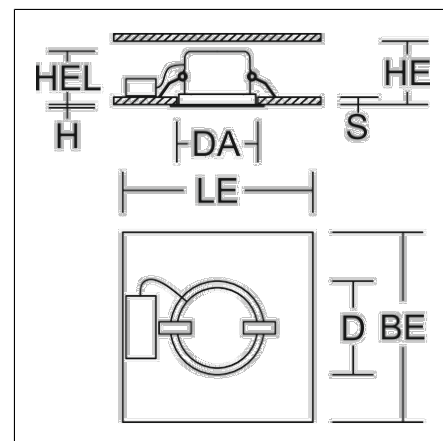
LEDONA round

901526.002.2.76 | Recessed downlights



Recessed downlights
4051859459804
D 180, H 3

Recessed ceiling mounting
traffic white, matt (RAL 9016)



Recessed LED downlight featuring advanced technology and sophisticated design. Housing: die-cast aluminium constructed as heat sink. Bezel ring: die-cast aluminium, powder-coated. Standard Gore™ Protective Vents diaphragm valve to avoid condensation. Luminaire also maintains the high protection type inside the false ceiling (does not apply to converter, IP 20). Closed version. Cover clear single-pane toughened glass. Faceted reflector: parabolic four-segment design, frosted aluminium, with highly polished light mixing chamber. Tunable white dynamically adjustable from 2700 K to 6500 K. Suitable for Human Centric Lighting (HCL) in combination with RZB light management systems. Installation without tools thanks to spring fastening system. With connected DALI DT8 driver in separate box. With connecting cable (L 250 mm). Through-wiring box (5 pole) available as accessory. Ball impact proof in accordance with DIN 18032-3. Suitable for use in the food and drinks industry.

Product specifications

Diameter D	180 mm
Height H	3 mm
Cut-out diameter DA	160 mm
Luminaire: recess height HEL	92 mm
Ceiling thickness S	1-20 mm
Installation space length LE	500 mm
Installation space width BE	500 mm
Installation space height HE	92 mm
Weight	1.38 kg
Light source	LED
Colour temperature	2700 - 6500 K
Rated luminous flux	2350...2650 lm
System power	28,,,29 W
System efficiency	81...95 lm/W
Beam angle	70°
LED rated life	100000 h (L80/B50) 50000 h (L90/B10)
Colour rendering index (CRI)	90
Colour tolerance (McAdam)	3 SDCM
Photobiological safety according to EN 62471	Risk group 1
Driver	Converter, dimmable
Control	DALI
Voltage	220 - 240 V / 50 Hz, 60 Hz
Luminaires on B10A fuse	21
Luminaires on B16A fuse	36
Luminaires on C10A fuse	37
Luminaires on C16A fuse	60
Inrush current / Inrush current duration	30 A / 138 µs
CIE Flux Code / CEN Flux Code	89 100 100 100 100
Type of protection	IP 65 on room side IP 20
Protection class	II
Filament test	850 °C
Impact resistance	IK07

LEDONA round

901526.002.2.76 | Recessed downlights



Ambient temperature	-20 °C to +35 °C
Safety marks	Ball impact proof in accordance with DIN 18032-03, Do not cover the recessed luminaire!
Conformity mark	CE, EAC

Accessories



982703.002
Through-wiring box



982622.002
refurbishment frames for recessed luminaires