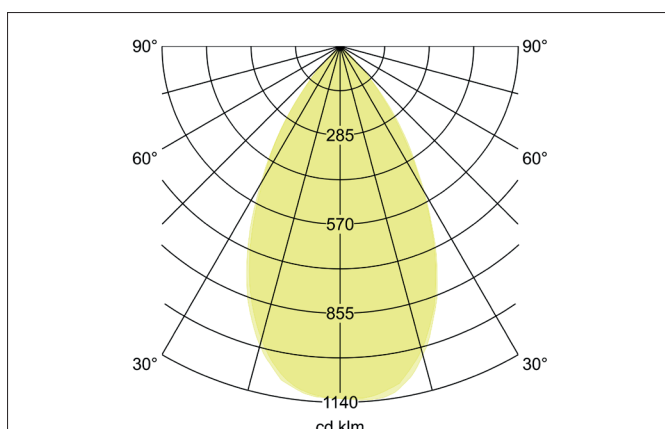
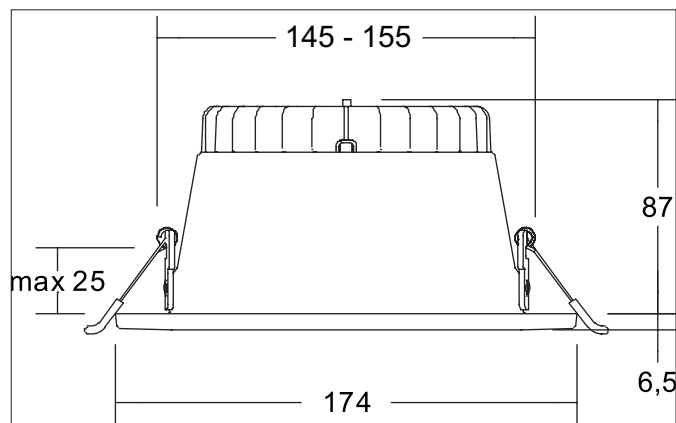


MUNA MINI LED recessed downlight, 3CCT, UGR < 19, trailing edge dimmable, reflector silver, bevelled

Article no. 12564073



Tender

Round LED recessed downlight, 3CCT, UGR<19, trailing edge dimmable, silver reflector, faceted, tool-free ceiling installation using installation springs. Ceiling cut-out Ø 145 mm, installation depth 87 mm, outer diameter 174 mm, weight 0.400 kg, silver reflector with rotationally symmetrical deep-wide beam light distribution. Cover PC (polycarbonate) opal, rated luminous flux 1,900 lm, UGR < 19, rated wattage 1 x 20 W, light color warm white to daylight white, most similar color temperature (CCT) 3,000 - 5,700 K, general color rendering index CRI > 80, service life L70/B10 at 25 °C: 80,000 h, service life L70/B50 at 25 °C: 50,000 h, service life L80/B50 at 25 °C: 50,000 h, housing material: aluminum / polycarbonate / steel, color: white, permissible ambient temperature (ta): -20 °C - +25 °C, protection class (EN 61140): II, degree of protection (DIN EN 60529): IP20. With electronic control gear, trailing edge dimmable.

Product Benefits

- Round recessed downlight made of aluminum with generously dimensioned thermal management.
- 3CCT: 3,000 K, 4,000 K or 5,700 K adjustable.
- High-quality aluminum reflector with lens.
- Simple and tool-free installation.
- UGR < 19.
- Low installation depth of 87 mm, diameter of 174 mm, Ceiling cut-out 145-155 mm.
- Phase section dimmable.
- Cover ring removable and replaceable with black ring (separate accessory).
- Ring in round black or round white also with additional, suspended float glass (partially frosted) (separate accessory).
- Cover frame also available in square in black or white instead of round instead of round (separate accessories).

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Article data	
Article no.	12564073
GTIN	4255752500865
Series name	MUNA MINI
Short description	LED recessed downlight, 3CCT, UGR < 19, trailing edge dimmable, reflector silver, bevelled
Material	Aluminium / Polycarbonate / Steel
Colour	White
Type of surface	Matt
Shape	Round
Outer diameter	174 mm
Built-in diameter	145 mm
Installation depth	87 mm
Hight	6.5 mm
Scope of delivery	incl. converter for connection to 230 V mains voltage, phase cut-off dimmable with switch for color temperature selection: 3,000 K / 4,000 K / 5,700 K
Weight	0.400 kg
Conformance	CE, UKCA

Lighting technology	
Colour temperature	3.000 K / 4.000 K / 5.700 K
Color Temperature 1	3,000 K
Color Temperature 2	4,000 K
Color Temperature 3	5,700 K
Light output	Direct
Luminous flux	1,900 lm
Luminous flux 1	1,750 lm
Luminous flux 2	1,970 lm
Luminous flux 3	1,900 lm
System efficiency	95 lm/W
Colour rendering	CRI > 80
Reflector	Faceted
Reflector colour	silver
Beam angle	60°
Glare evaluation	UGR < 19
Light sharing	Symmetric
Adjustable color temperature	Stages

Operating technology of the luminaire	
System output	20 W
Voltage type	AC
AC nominal voltage max	230 V
Frequency max	50 Hz
Lamp	LED
Protection class	II
Degree of protection	IP20
Dimmable	Yes
Control	Trailing-edge phase
Bulb change possible	The light source of this luminaire may only be replaced by the manufacturer or a service technician commissioned by him or a similarly qualified person.
Rated life time L70/B50 at 25 °C	50,000 h
Rated life time L80/B50 at 25 °C	50.000 h

**MUNA MINI LED recessed downlight, 3CCT, UGR < 19, trailing edge
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Mounting technology	
Mounting method	Recessed mounting
Place of installation	Ceiling-mounted
Adjustability	Not adjustable
Max. ceiling thickness	25 mm
Further references	No cover with thermal insulation material
Material cover	Polycarbonat opal
Suitable for through-wiring	Yes, with optional accessories

Packing data	
Gross weight	0.583 kg
Length of packaging	190 mm
Packaging width	190 mm
Packaging height	110 mm
Disposal at end of life	<p>This product must not be disposed of with household waste. You are obliged, to dispose of such electrical waste separately.</p> <p>By disposing of electrical waste and other old or defective electronics separately, you support recycling or other forms of re-use. In that way you help to take care and to avoid that harmful substances get into the environment.</p>

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Optional accessories
Article no.: 81216070 Cover frame, square, for 12564 Dimensions: 174 mm x 174 mm x 6.5 mm https://www.brumberg.com/fileadmin/products/Datenblatt_81216070_2021_DE.pdf
Article no.: 81216080 Cover frame, square, for 12564 Dimensions: 174 mm x 174 mm x 6.5 mm https://www.brumberg.com/fileadmin/products/Datenblatt_81216080_2021_DE.pdf
Article no.: 81211080 Cover ring, round, for 12564 Dimensions: 174 mm x 6.5 mm https://www.brumberg.com/fileadmin/products/Datenblatt_81211080_2021_DE.pdf
Article no.: 81221070 Cover ring, round, with suspended float glass, partially frosted, for 12564 Dimensions: 174 mm x 25 mm https://www.brumberg.com/fileadmin/products/Datenblatt_81221070_2021_DE.pdf
Article no.: 81221080 Cover ring, round, with suspended float glass, partially frosted, for 12564 Dimensions: 174 mm x 25 mm https://www.brumberg.com/fileadmin/products/Datenblatt_81221080_2021_DE.pdf
Article no.: 83330000 Connection box 230 V AC, 3-pole Dimensions: 80 mm x 41 mm x 34 mm https://www.brumberg.com/fileadmin/products/Datenblatt_83330000_2021_DE.pdf
Article no.: 81230070 Surface-mounted housing, round, for 12564 Dimensions: 182 mm x 155 mm https://www.brumberg.com/fileadmin/products/Datenblatt_81230070_2021_DE.pdf
Article no.: 81230080 Surface-mounted housing, round, for 12564 Dimensions: 182 mm x 155 mm https://www.brumberg.com/fileadmin/products/Datenblatt_81230080_2021_DE.pdf