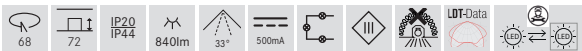
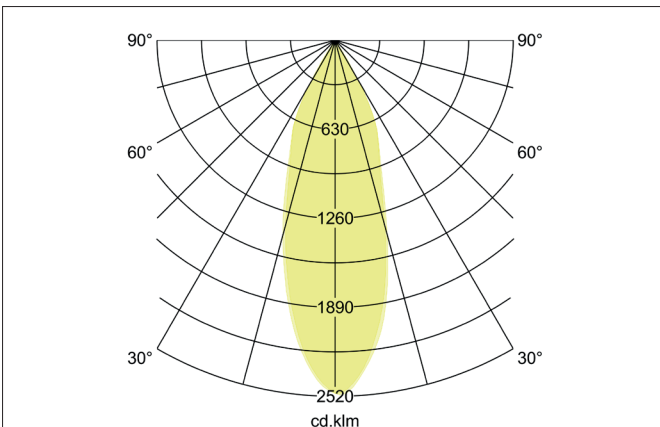
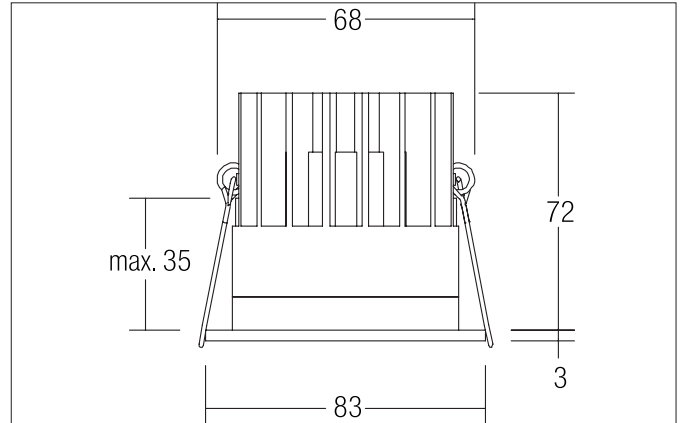




**ALTERO-R LED recessed downlight, IP44**  
 Article no. 12035174



**Tender**  
 LED recessed downlight, IP44, Round. Toolless ceiling installation by installation springs. Ceiling cut-out Ø 68 mm, Installation depth 72 mm, Outer diameter 83 mm, Weight 0,241 kg, Reflector silver with rotationssymmetrical, deep, wide distributed light intensity. Cover glass transparent. Luminous flux 840 lm, Power 1 x 9,2 W, Light colour neutral white, Correlated color temperature (CCT) 4.000 K, Colour rendering index CRI > 80, Housing material: Aluminium / Glass / Plastic, Colour: white structure, Permissible ambient temperature (ta): -20 °C up to +25 °C, Protection class (EN 61140): III, Degree of protection (DIN EN 60529): IP44. For connection to an external driver, which is not included in the scope of delivery of the luminaire. Depending on driver dimmable.

**Product Benefits**

LOOP- Light Of Ocean Plastic.

Certified LED recessed luminaire housing made from 100 % recycled ocean plastic. Plastic waste in the sea is a global catastrophe, that we need to do something about. We are making an important contribution with the first luminaire whose plastic 100 percent recycled ocean plastic. plastic". With LOOP, we are setting new standards for sustainable lighting solutions on the global market, that reflect high quality, functionality and aesthetics.


**ALTERO-R LED recessed downlight, IP44**

Article no. 12035174

| Article data           |                              |
|------------------------|------------------------------|
| Article no.            | 12035174                     |
| GTIN                   | 4251433927099                |
| Series name            | ALTERO-R                     |
| Short description      | LED recessed downlight, IP44 |
| Material               | Aluminium / Glass / Plastic  |
| Colour                 | white structure              |
| Type of surface        | Structure                    |
| Shape                  | Round                        |
| Outer diameter         | 83 mm                        |
| Built-in diameter min. | 68 mm                        |
| Built-in diameter max. | 68 mm                        |
| Installation depth     | 72 mm                        |
| Hight                  | 3 mm                         |
| Weight                 | 0.241 kg                     |
| D licence plate        | No                           |
| Conformance            | CE, UKCA                     |

| Lighting technology          |           |
|------------------------------|-----------|
| Colour temperature           | 4.000 K   |
| Light colour                 | white     |
| Light output                 | Direct    |
| Luminous flux                | 840 lm    |
| System efficiency            | 91 lm/W   |
| Colour rendering             | CRI > 80  |
| Reflector                    | Faceted   |
| Reflector colour             | silver    |
| Beam angle                   | 33°       |
| Light sharing                | Symmetric |
| Adjustable color temperature | No        |

| Operating technology of the luminaire |  |
|---------------------------------------|--|
| System output                         | 9.2 W  |
| Voltage type                          | DC   |
| Current                               | 500 mA   |
| Lamp                                  | LED  |
| Protection class                      | III  |
| Protection class on the ceiling side  | IP20   |
| Degree of protection                  | IP44   |
| Dimmable                              | Depending on type of control gear  |
| Control                               | Depending on driver  |
| 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. |
| Energy efficiency class               | not required   |

| Mounting technology    |   |
|------------------------|---|
| Mounting method        | Recessed mounting                         |
| Place of installation  | Ceiling-mounted                           |
| Adjustability          | Not adjustable                            |
| Max. ceiling thickness | 35 mm                                     |
| Further references     | No cover with thermal insulation material |
| Material cover         | Glass transparent                         |


**ALTERO-R LED recessed downlight, IP44**

Article no. 12035174

| Packing data            |  |
|-------------------------|--|
| Gross weight            | 0.291 kg   |
| Length of packaging     | 100 mm   |
| Packaging width         | 100 mm   |
| Packaging height        | 100 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> |

| Required accessories  |  |
|---|--|
| Article no.: 17823010   | LED converter 500 mA, on/off switchable            |
| Power: 1 - 22 W, ohne Konfektionierung  |  |
| Dimensions: 146.5 mm x 43.5 mm x 30 mm  |  |
| <a href="https://www.brumberg.com/fileadmin/products/Datenblatt_17823010_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_17823010_2021_DE.pdf</a> |  |
| Article no.: 17822010   | LED converter 500 mA, trailing-edge phase dimmable |
| Power: 8 - 20 W, ohne Konfektionierung  |  |
| Dimensions: 110.5 mm x 52 mm x 22 mm  |  |
| <a href="https://www.brumberg.com/fileadmin/products/Datenblatt_17822010_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_17822010_2021_DE.pdf</a> |  |
| Article no.: 17829010   | LED converter 500 mA, trailing-edge phase dimmable |
| Power: 1 - 24 W, ohne Konfektionierung  |  |
| Dimensions: 166 mm x 46 mm x 34 mm  |  |
| <a href="https://www.brumberg.com/fileadmin/products/Datenblatt_17829010_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_17829010_2021_DE.pdf</a> |  |
| Article no.: 17824010   | LED converter 500 mA, 1-10V dimmable (analog)      |
| Power: 5 - 27 W, ohne Konfektionierung  |  |
| Dimensions: 146.5 mm x 43.5 mm x 30 mm  |  |
| <a href="https://www.brumberg.com/fileadmin/products/Datenblatt_17824010_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_17824010_2021_DE.pdf</a> |  |
| Article no.: 17826010   | LED converter 500 mA, DALI dimmable (digital)      |
| Power: 5 - 27 W, ohne Konfektionierung  |  |
| Dimensions: 146.5 mm x 44 mm x 30 mm  |  |
| <a href="https://www.brumberg.com/fileadmin/products/Datenblatt_17826010_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_17826010_2021_DE.pdf</a> |  |

**ALTERO-R LED recessed downlight, IP44**

Article no. 12035174

**Optional accessories**

Article no.: 83330000

Connection box 230 V AC, 3-pole

Dimensions: 85 mm x 35 mm x 30 mm

[https://www.brumberg.com/fileadmin/products/Datenblatt\\_83330000\\_2021\\_DE.pdf](https://www.brumberg.com/fileadmin/products/Datenblatt_83330000_2021_DE.pdf)

Article no.: 83331000

Connection box 230 V AC, 5-pole (DALI / 1-10 V)

Dimensions: 90 mm x 52 mm x 30 mm

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Article no.: 81201170

Reducing ring D 110 mm, for luminaire cut-out size 68 mm

Dimensions: 110 mm

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Article no.: 81202170

Reducing ring D 130 mm, for luminaire cut-out size 68 mm

Dimensions: 130 mm

[https://www.brumberg.com/fileadmin/products/Datenblatt\\_81202170\\_2021\\_DE.pdf](https://www.brumberg.com/fileadmin/products/Datenblatt_81202170_2021_DE.pdf)

Article no.: 81203170

Reducing ring D 145 mm, for luminaire cut-out size 68 mm

Dimensions: 145 mm

[https://www.brumberg.com/fileadmin/products/Datenblatt\\_81203170\\_2021\\_DE.pdf](https://www.brumberg.com/fileadmin/products/Datenblatt_81203170_2021_DE.pdf)