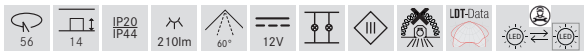
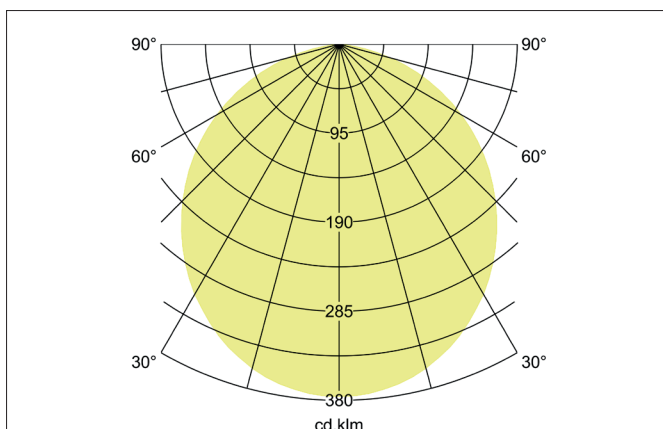
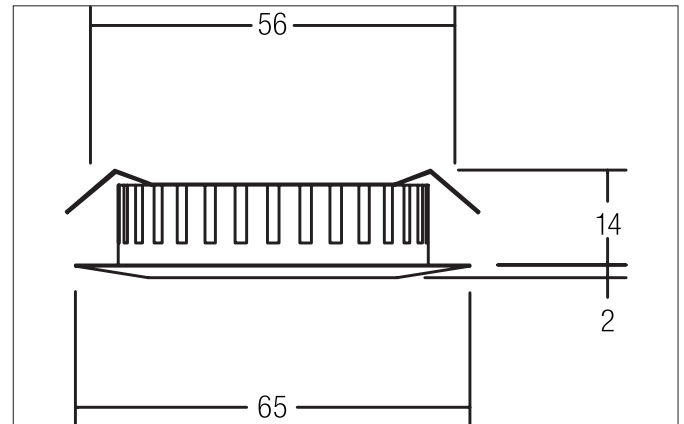



**SINCINDA MINI-R LED recessed downlight, IP44**

Article no. 12109023


**Tender**

LED recessed downlight, IP44, Round. Toolless ceiling installation by leaf spring. Ceiling cut-out Ø 56 mm, Installation depth 14 mm, Outer diameter 65 mm, Weight 0,103 kg, with rotationssymmetrical, deep, wide distributed light intensity. Cover plastic, opal Luminous flux 210 lm, Power 1 x 3,3 W, System Efficiency 64 lm/W, Light colour warm white, Correlated color temprature (CCT) 3.000 K, Colour rendering index CRI > 85, Housing material: Die-cast zinc / Plastic, Colour: chrome glossy, 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**

- Round recessed downlight made of solid aluminum with polycarbonate cover.
- Protection class IP65 (for installation in closed ceilings).
- Simple and tool-free installation.
- CRI > 90.
- Low installation depth 35 mm, diameter 80 mm, Ceiling cut-out 68 mm.
- Maximum ceiling thickness 20 mm.
- Three surface finishes available.
- With integrated converter (DOB) for connection to 230 V mains voltage.
- Supplied with connection box for quick connection.
- Phase section dimmable.
- dim2warm version (3,000 K - 1,800 K): if the luminaire is dimmed, the color temperature is reduced.
- Also available in static 3,000 K.


**SINCINDA MINI-R LED recessed downlight, IP44**

Article no. 12109023

| Article data           |                                     |
|------------------------|-------------------------------------|
| Article no.            | 12109023                            |
| GTIN                   | 4250047798101                       |
| Series name            | SINCINDA MINI-R                     |
| Short description      | LED recessed downlight, IP44        |
| Material               | Die-cast zinc / Plastic             |
| Colour                 | chrome glossy                       |
| Type of surface        | Glossy                              |
| Shape                  | Round                               |
| Outer diameter         | 65 mm                               |
| Built-in diameter min. | 56 mm                               |
| Built-in diameter max. | 56 mm                               |
| Installation depth     | 14 mm                               |
| Hight                  | 2 mm                                |
| Scope of delivery      | Including 2,000 mm connecting cable |
| Weight                 | 0.103 kg                            |
| D licence plate        | No                                  |
| Conformance            | CE, UKCA                            |

| Lighting technology          |           |
|------------------------------|-----------|
| Colour temperature           | 2.900 K   |
| Light colour                 | white     |
| Light output                 | Direct    |
| Luminous flux                | 210 lm    |
| System efficiency            | 64 lm/W   |
| Colour rendering             | CRI > 85  |
| Reflector                    | Without   |
| Beam angle                   | 60°       |
| Light sharing                | Symmetric |
| Adjustable color temperature | No        |

| Operating technology of the luminaire |                                                                                                                                                          |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| System output                         | 3.3 W                                                                                                                                                    |
| Voltage type                          | DC                                                                                                                                                       |
| DC nominal voltage max                | 12 V                                                                                                                                                     |
| 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                            |
| Further references    | No cover with thermal insulation material |
| Cover                 | Plastic, opal                             |


**SINCINDA MINI-R LED recessed downlight, IP44**

Article no. 12109023

| Packing data            |                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gross weight            | 0.12 kg                                                                                                                                                                                                                                                                                                                                                                        |
| Length of packaging     | 70 mm                                                                                                                                                                                                                                                                                                                                                                          |
| Packaging width         | 47 mm                                                                                                                                                                                                                                                                                                                                                                          |
| Packaging height        | 81 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.: 17111000                                                                                                                                                 |  |
| LED power supply                                                                                                                                                      |  |
| Power: 1 – 15 W                                                                                                                                                       |  |
| Dimensions: 103 mm x 35.5 mm x 16.5 mm                                                                                                                                |  |
| <a href="https://www.brumberg.com/fileadmin/products/Datenblatt_17111000_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_17111000_2021_DE.pdf</a> |  |
| Article no.: 17112000                                                                                                                                                 |  |
| LED power supply                                                                                                                                                      |  |
| Power: 1 – 30 W                                                                                                                                                       |  |
| Dimensions: 160 mm x 58 mm x 18 mm                                                                                                                                    |  |
| <a href="https://www.brumberg.com/fileadmin/products/Datenblatt_17112000_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_17112000_2021_DE.pdf</a> |  |

| Optional accessories                                                                                                                                                  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Article no.: 81019020                                                                                                                                                 |  |
| Surface mounted housing for 12109...                                                                                                                                  |  |
| Dimensions: 66 mm x 15 mm                                                                                                                                             |  |
| <a href="https://www.brumberg.com/fileadmin/products/Datenblatt_81019020_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_81019020_2021_DE.pdf</a> |  |
| Article no.: 17107000                                                                                                                                                 |  |
| 6-way distributor 12 V DC for 17106/17110                                                                                                                             |  |
| Leistung: 30 W                                                                                                                                                        |  |
| <a href="https://www.brumberg.com/fileadmin/products/Datenblatt_17107000_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_17107000_2021_DE.pdf</a> |  |
| Article no.: 17108000                                                                                                                                                 |  |
| Extension cable 12 V DC for 17106/17110/17107                                                                                                                         |  |
| <a href="https://www.brumberg.com/fileadmin/products/Datenblatt_17108000_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_17108000_2021_DE.pdf</a> |  |