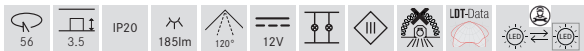
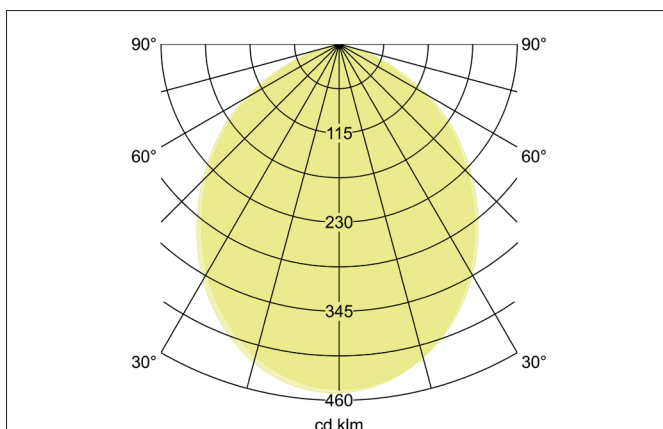
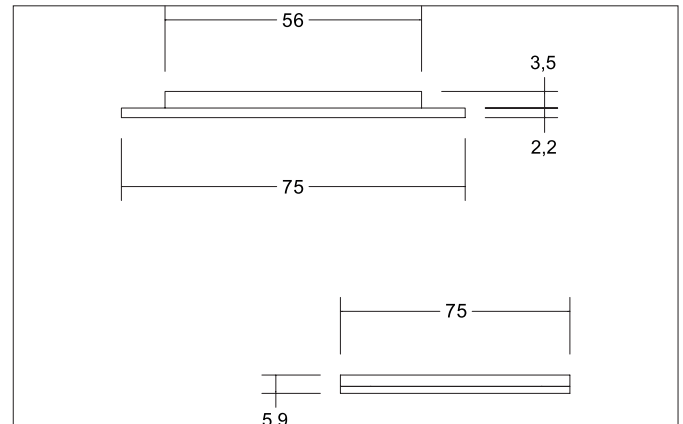



**X-FLAT-R LED recessed / surface-mounted downlight**

Article no. 12164023


**Tender**

LED recessed / surface-mounted downlight, Round. Ceiling cut-out Ø 56 mm, Installation depth 3,5 mm, Outer diameter 75 mm, Weight 0,061 kg, with rotationssymmetrical, deep, wide distributed light intensity. Cover plastic, opal Luminous flux 185 lm, Power 1 x 2,6 W, Light colour warm white, Correlated color temperature (CCT) 3.000 K, Colour rendering index CRI 81, Rated life time L70/B50 at 25 °C: 30.000 h, Housing material: Aluminium / Steel / 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): IP20. For connection to an external driver, which is not included in the scope of delivery of the luminaire. Depending on driver dimmable.

**Product Benefits**

- Verwendbar als Einbau- und als Anbauleuchte - das Anbaugeschäule kommt direkt mit.
- Durchmesser bei Anbauversion: 75 mm.
- Extrem flach ausgeführt - Einbautiefe 3,5 mm, Höhe bei Einbauversion 2 mm, bei Anbauversion 6 mm.
- Schraubbefestigung von der Raumseite her.
- Außenkante nickel matt, Blende über Magnet befestigt und wahlweise auch durch einen anderen Farbton ersetzbar.
- Lieferung inklusive 2.000 mm Anschlußleitung (Pluspol auf der Anschlußleitung gekennzeichnet, Minuspol ohne Kennzeichnung auf der Anschlußleitung).


**X-FLAT-R LED recessed / surface-mounted downlight**

Article no. 12164023

| Article data           |                                          |
|------------------------|------------------------------------------|
| Article no.            | 12164023                                 |
| GTIN                   | 4251433927167                            |
| Series name            | X-FLAT-R                                 |
| Short description      | LED recessed / surface-mounted downlight |
| Material               | Aluminium / Steel / Plastic              |
| Colour                 | chrome glossy                            |
| Type of surface        | Glossy                                   |
| Shape                  | Round                                    |
| Outer diameter         | 75 mm                                    |
| Built-in diameter min. | 56 mm                                    |
| Built-in diameter max. | 56 mm                                    |
| Installation depth     | 3.5 mm                                   |
| Hight                  | 5.9 mm                                   |
| Scope of delivery      | Including 2,000 mm connecting cable      |
| Weight                 | 0.061 kg                                 |
| D licence plate        | No                                       |
| Conformance            | CE, UKCA                                 |

| Lighting technology          |           |
|------------------------------|-----------|
| Colour temperature           | 3.000 K   |
| Light output                 | Direct    |
| Luminous flux                | 185 lm    |
| System efficiency            | 71 lm/W   |
| Colour rendering             | CRI 81    |
| Reflector                    | Without   |
| Beam angle                   | 120°      |
| Light sharing                | Symmetric |
| Adjustable color temperature | No        |

| Operating technology of the luminaire |                                                                                                                                                          |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Voltage type                          | DC                                                                                                                                                       |
| DC nominal voltage max                | 12 V                                                                                                                                                     |
| Lamp                                  | LED                                                                                                                                                      |
| Protection class                      | III                                                                                                                                                      |
| Degree of protection                  | IP20                                                                                                                                                     |
| 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. |
| Rated life time L70/B50 at 25 °C      | 30,000 h                                                                                                                                                 |
| 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                             |


**X-FLAT-R LED recessed / surface-mounted downlight**

Article no. 12164023

| Packing data            |                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gross weight            | 0.078 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.: 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> |  |