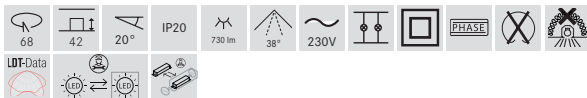
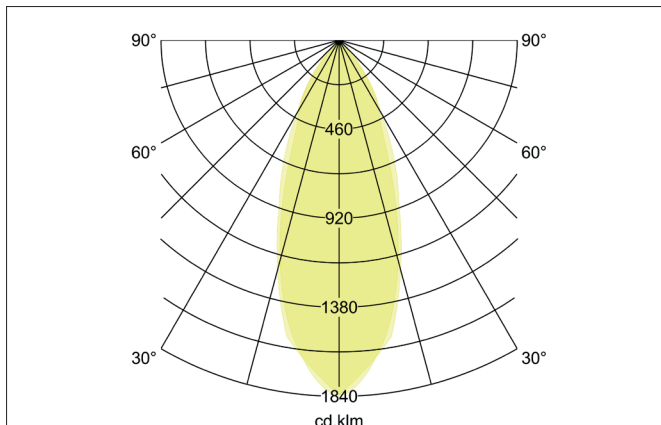
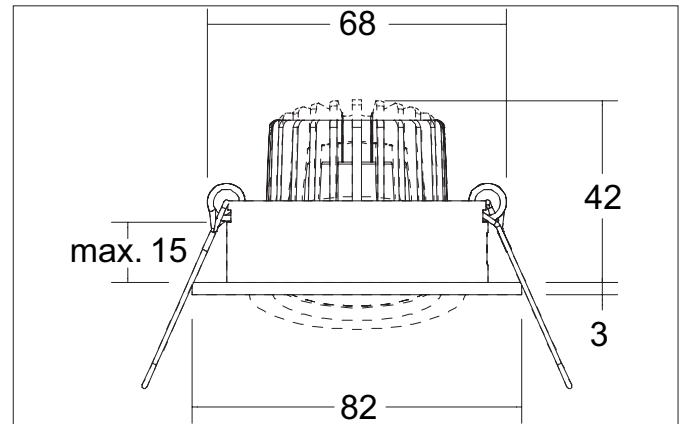



**TIRREL-R LED recessed spot set, trailing-edge phase dimmable**

Article no. 39143643


**Tender**

LED recessed spot set, trailing-edge phase dimmable, Round. Toolless ceiling installation by installation springs. Ceiling cut-out Ø 68 mm, Installation depth 42 mm, Outer diameter 82 mm, Weight 0,176 kg, Reflector silver with rotationssymmetrical, deep, wide distributed light intensity. Cover glass transparent Luminous flux 730 lm, Power 1 x 6 W, Light colour warm white, Correlated color temprature (CCT) 3.000 K, Colour rendering index CRI > 80, Housing material: Aluminium / Glass / Plastic, Colour: titanium matt, Permissible ambient temperature (ta): -20 °C up to +25 °C, Protection class (EN 61140): II, Degree of protection (DIN EN 60529): IP20. With electronic driver, Trailing-edge phase dimmable.

**Product Benefits**

- LED recessed spot in round design made of solid aluminum.  
with LED module 6 W (3,000 K) and dimmable converter phase section.
- Ceiling cutout 68 mm, diameter 82 mm, installation depth 50 mm, IP20.
- Pivoting range 25°.
- Large color variation. Without visible snap ring.
- Classic, formally restrained design.
- In the same optics also in GX5,3 or GU10 version and as dimmable DALI set and as a loudspeaker.
- In addition, in the same surface structure and in the same color also available in square version.


**TIRREL-R LED recessed spot set, trailing-edge phase dimmable**

Article no. 39143643

| Article data           |                                                     |
|------------------------|-----------------------------------------------------|
| Article no.            | 39143643                                            |
| GTIN                   | 4251433950462                                       |
| Series name            | TIRREL-R                                            |
| Short description      | LED recessed spot set, trailing-edge phase dimmable |
| Material               | Aluminium / Glass / Plastic                         |
| Colour                 | titanium matt                                       |
| Type of surface        | Matt                                                |
| Shape                  | Round                                               |
| Outer diameter         | 82 mm                                               |
| Built-in diameter min. | 67 mm                                               |
| Built-in diameter max. | 68 mm                                               |
| Installation depth     | 42 mm                                               |
| Hight                  | 3 mm                                                |
| Weight                 | 0.176 kg                                            |
| D licence plate        | No                                                  |
| Conformance            | CE, UKCA                                            |

| Lighting technology          |           |
|------------------------------|-----------|
| Colour temperature           | 3.000 K   |
| Light output                 | Direct    |
| Luminous flux                | 730 lm    |
| System efficiency            | 122 lm/W  |
| Colour rendering             | CRI > 80  |
| Reflector                    | Faceted   |
| Reflector colour             | silver    |
| Beam angle                   | 38°       |
| Light sharing                | Symmetric |
| Adjustable color temperature | No        |

| Operating technology of the luminaire |                                                                                                                                                          |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| System output                         | 6 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. |
| Energy efficiency class               | not required                                                                                                                                             |

| Operating technology of the light source |                                                                                                                                                          |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article No. of used light source         | 12924383                                                                                                                                                 |
| Hight                                    | 32 mm                                                                                                                                                    |
| Outer diameter                           | 51 mm                                                                                                                                                    |
| Lamp holder                              | Plug&Play                                                                                                                                                |
| Power                                    | 6 W                                                                                                                                                      |
| Voltage type                             | DC                                                                                                                                                       |
| Current                                  | 350 mA                                                                                                                                                   |
| Lamp                                     | LED                                                                                                                                                      |
| Protection class                         | III                                                                                                                                                      |
| Degree of protection                     | IP20                                                                                                                                                     |
| Energy efficiency class                  | D                                                                                                                                                        |
| 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. |


**TIRREL-R LED recessed spot set, trailing-edge phase dimmable**

Article no. 39143643

| Operating technology of driver |                     |
|--------------------------------|---------------------|
| Article No. of used driver     | 17663000            |
| Length                         | 110 mm              |
| Width                          | 50 mm               |
| Hight                          | 19 mm               |
| AC nominal voltage min         | 198 V               |
| AC nominal voltage max         | 264 V               |
| Frequency max                  | 63 Hz               |
| Dimmable                       | Yes                 |
| Control                        | Trailing-edge phase |
| Starting current               | 1 A, 15,2 µs        |
| Power                          | 2.8 W               |
| Power                          | 7 W                 |
| Output current up to           | 350 mA              |
| Degree of protection           | IP20                |
| Protection class               | II                  |
| Flicker-free                   | Yes                 |
| stamp                          | ENEC 05             |

| Mounting technology         |                                           |
|-----------------------------|-------------------------------------------|
| Mounting method             | Recessed mounting                         |
| Place of installation       | Ceiling-mounted                           |
| Adjustability               | Pivoted                                   |
| Swivel angle                | 20°                                       |
| Max. ceiling thickness      | 15 mm                                     |
| Further references          | No cover with thermal insulation material |
| Cover                       | Glass transparent                         |
| Circlip                     | Without circlip                           |
| Suitable for through-wiring | Yes, with optional accessories            |

| Packing data            |                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gross weight            | 0.25 kg                                                                                                                                                                                                                                                                                                                                                                        |
| Length of packaging     | 100 mm                                                                                                                                                                                                                                                                                                                                                                         |
| Packaging width         | 100 mm                                                                                                                                                                                                                                                                                                                                                                         |
| Packaging hight         | 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> |

| Optional accessories                                                                                                                                                  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Article no.: 83330000                                                                                                                                                 |  |
| Connection box 230 V AC, 3-pole                                                                                                                                       |  |
| Dimensions: 85 mm x 35 mm x 30 mm                                                                                                                                     |  |
| <a href="https://www.brumberg.com/fileadmin/products/Datenblatt_83330000_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_83330000_2021_DE.pdf</a> |  |
| Article no.: 5327                                                                                                                                                     |  |
| Leaf spring set (2 pieces)                                                                                                                                            |  |
| <a href="https://www.brumberg.com/fileadmin/products/Datenblatt_00532700_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_00532700_2021_DE.pdf</a> |  |