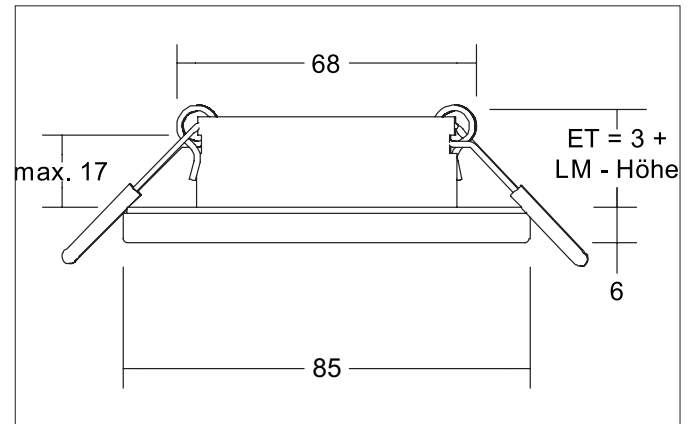


**PROTECT-R Recessed downlight, IP44, without LED module**

Article no. 20044170


**Tender**

Recessed downlight, IP44, without LED module, transparent glass cover, textured white, round. Designed in a compact design for tool-free quick installation for recessed ceiling mounting. All Brumberg MR16 LED modules can be used for the PROTECT recessed unit. The installation depth of the luminaire depends on the LED module used (here: 3 mm, plus height of the LED module).

The LED module is not included in the scope of delivery of the installation unit. Version: without socket, Mounting type: recessed mounting, Mounting location: ceiling mounting, Material: aluminum / glass, Protection rating on room side: to DIN EN 60529: IP44, Protection class: (EN 61140) III, Power: 13 W, Adjustability: non-adjustable, without control gear, Type of dimming: Dependent on control gear.

**Product Benefits**

- Rigid recessed downlight in round design made of solid aluminum for LED modules with max. 12.5 W output.
- Protection class on room side IP44 (for installation in closed ceilings)
- Ceiling cut-out 68 mm, diameter 85 mm, installation depth 3 mm (plus height of LED module), ceiling thickness max. 17 mm.
- Without visible snap ring.
- LED module fitted from the room side, cover is screwed on.
- Classic, formally restrained design.
- Covered with clear glass (also available with satinized glass as a variant). also available.
- Also available with the same surface structure and in the same color also available in a square version.

**PROTECT-R Recessed downlight, IP44, without LED module**

Article no. 20044170

| Article data      |  |
|-------------------|--|
| Article no.       | 20044170                                     |
| GTIN              | 4251433981367                                |
| Series name       | PROTECT-R                                    |
| Short description | Recessed downlight, IP44, without LED module |
| Material          | Aluminium / Glass                            |
| Colour            | White  |
| Type of surface   | Structure                                    |
| Shape             | Round  |
| Outer diameter    | 85 mm  |
| Built-in diameter | 68 mm  |
| Hight             | 6 mm   |
| Scope of delivery | incl. glass cover clear                      |
| Weight            | 0.082 kg                                     |
| Conformance       | CE, UKCA                                     |

| Lighting technology          |   |
|------------------------------|---|
| Colour temperature           | Je nach verwendetem Brumberg MR16-LED-Modul |
| Light output                 | Direct                                      |
| Light sharing                | Symmetric                                   |
| Adjustable color temperature | No  |

| Operating technology of the luminaire |                     |
|---------------------------------------|---------------------|
| System output                         | 13 W                |
| Voltage type                          | DC                  |
| Lamp                                  | For LED             |
| Lamp holder                           | Without fitting     |
| Protection class                      | III                 |
| Degree of protection                  | IP44                |
| Protection class on the ceiling side  | IP20                |
| Control                               | Depending on driver |

| Mounting technology    |   |
|------------------------|---|
| Mounting method        | Recessed mounting                         |
| Place of installation  | Ceiling-mounted                           |
| Adjustability          | Not adjustable                            |
| Max. ceiling thickness | 17 mm                                     |
| Further references     | No cover with thermal insulation material |
| Material cover         | Glass transparent                         |
| Circlip                | Without circlip                           |

| Packing data            |  |
|-------------------------|--|
| Gross weight            | 0.128 kg   |
| Length of packaging     | 115 mm   |
| Packaging width         | 88 mm  |
| Packaging hight         | 54 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> |

**PROTECT-R Recessed downlight, IP44, without LED module**

Article no. 20044170

| Compatible LED-modu- |        |            |                                |                       |                  |         |                 |
|----------------------|--------|------------|--------------------------------|-----------------------|------------------|---------|-----------------|
| Article no.          | Power  | Beam angle | Colour tempera-<br>ture        | Colour rende-<br>ring | Luminous<br>flux | Input   | Hight LED-Modul |
| 12925003             | 3 W    | 38°        | 2.700 K                        | CRI > 80              | 290 lm           | 350 mA  | 40 mm           |
| 12926003             | 3 W    | 38°        | 3.000 K                        | CRI > 80              | 310 lm           | 350 mA  | 40 mm           |
| 12925004             | 3 W    | 38°        | 4.000 K                        | CRI > 80              | 340 lm           | 350 mA  | 40 mm           |
| 12923383             | 6 W    | 38°        | 2.700 K                        | CRI > 80              | 740 lm           | 350 mA  | 32 mm           |
| 12923603             | 6 W    | 60°        | 2.700 K                        | CRI > 80              | 720 lm           | 350 mA  | 32 mm           |
| 12927383             | 6 W    | 38°        | 2.700 K                        | CRI > 90              | 600 lm           | 350 mA  | 32 mm           |
| 12924383             | 6 W    | 38°        | 3.000 K                        | CRI > 80              | 730 lm           | 350 mA  | 32 mm           |
| 12924603             | 6 W    | 60°        | 3.000 K                        | CRI > 80              | 770 lm           | 350 mA  | 32 mm           |
| 12928383             | 6 W    | 38°        | 3.000 K                        | CRI > 90              | 680 lm           | 350 mA  | 32 mm           |
| 12924384             | 6 W    | 38°        | 3.500 K                        | CRI > 80              | 730 lm           | 350 mA  | 32 mm           |
| 12924604             | 6 W    | 60°        | 3.500 K                        | CRI > 80              | 770 lm           | 350 mA  | 32 mm           |
| 12928384             | 6 W    | 38°        | 3.500 K                        | CRI > 90              | 680 lm           | 350 mA  | 32 mm           |
| 12923384             | 6 W    | 38°        | 4.000 K                        | CRI > 80              | 770 lm           | 350 mA  | 32 mm           |
| 12923604             | 6 W    | 60°        | 4.000 K                        | CRI > 80              | 790 lm           | 350 mA  | 32 mm           |
| 12927384             | 6 W    | 38°        | 4.000 K                        | CRI > 90              | 720 lm           | 350 mA  | 32 mm           |
| 12920183             | 6 W    | 18°        | 3.000 K                        | CRI > 80              | 740 lm           | 350 mA  | 31 mm           |
| 12920243             | 6 W    | 24°        | 3.000 K                        | CRI > 80              | 760 lm           | 350 mA  | 31 mm           |
| 12920003             | 6 W    | 38°        | 3.000 K                        | CRI > 80              | 780 lm           | 350 mA  | 31 mm           |
| 12920603             | 6 W    | 60°        | 3.000 K                        | CRI > 80              | 760 lm           | 350 mA  | 31 mm           |
| 12920184             | 6 W    | 18°        | 4.000 K                        | CRI > 80              | 780 lm           | 350 mA  | 31 mm           |
| 12920244             | 6 W    | 24°        | 4.000 K                        | CRI > 80              | 790 lm           | 350 mA  | 31 mm           |
| 12920004             | 6 W    | 38°        | 4.000 K                        | CRI > 80              | 810 lm           | 350 mA  | 31 mm           |
| 12920604             | 6 W    | 60°        | 4.000 K                        | CRI > 80              | 780 lm           | 350 mA  | 31 mm           |
| 12963383             | 6 W    | 38°        | 3.000 K - 1.800 K              | CRI > 90              | 460 lm           | 350 mA  | 32 mm           |
| 12963603             | 6 W    | 60°        | 3.000 K - 1.800 K              | CRI > 90              | 460 lm           | 350 mA  | 32 mm           |
| 12953003             | 12 W   | 38°        | 2.700 K                        | CRI > 80              | 1,130 lm         | 350 mA  | 70 mm           |
| 12954003             | 12 W   | 38°        | 3.000 K                        | CRI > 80              | 1,360 lm         | 350 mA  | 70 mm           |
| 12954004             | 12 W   | 38°        | 3.500 K                        | CRI > 80              | 1,290 lm         | 350 mA  | 70 mm           |
| 12953004             | 12 W   | 38°        | 4.000 K                        | CRI > 80              | 1,300 lm         | 350 mA  | 70 mm           |
| 12965003             | 12 W   | 38°        | 3.000 K - 1.800 K              | CRI > 90              | 930 lm           | 350 mA  | 70 mm           |
| 12983003             | 12.5 W | 38°        | 3.000 K                        | CRI > 97              | 920 lm           | 350 mA  | 95 mm           |
| 12823003             | 8 W    | 60°        | 2.850 K                        | CRI > 90              | 900 lm           | 24.00 V | 50 mm           |
| 12843004             | 8 W    | 60°        | 2.000 K - 6.500 K              | CRI > 90              | 640 lm           | 24.00 V | 50 mm           |
| 18438002             | 8 W    | 60°        | RGB+WW                         | CRI > 90              | 400 lm           | 24.00 V | 50 mm           |
| 12929503             | 6.3 W  | 50°        | 2.700 K / 3.000 K<br>/ 4.000 K | CRI > 80              | 971 lm           | 350 mA  | 34 mm           |