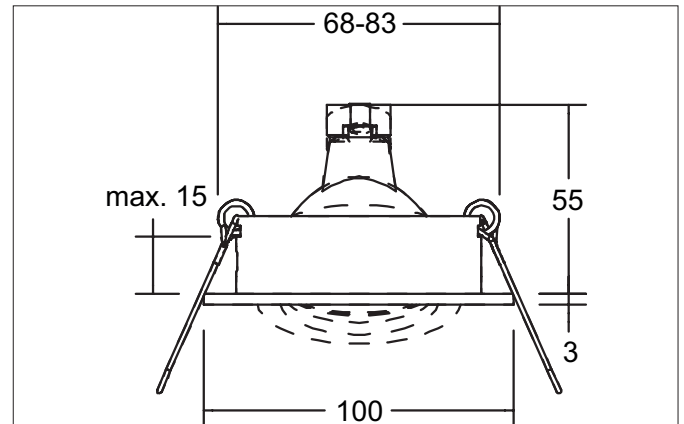




## EXPAND Einbaustrahler, MR16

Article no. 20683620



### Tender

Einbaustrahler, MR16, brushed matt aluminum, Round. In a compact design, for installation in tool-less rapid assembly systems. Lamp holder: GX5.3, Mounting method: Recessed mounting, Place of installation: Ceiling-mounted, Material: Aluminium, Degree of protection: according to DIN EN 60529 IP20, Protection class: (EN 61140) III, Voltage: 12 V, Power: 13 W, Amount of light sources / fittings: 1 Qty, Adjustability: Pivoted, without control gear, Dimmable: Depending on type of control gear, Control: Depending on driver.

### Product Benefits

- Einbaustrahler in runder Bauform aus massivem Aluminium für LED-Retrofit-Lampen mit Sockel GX5,3.
- Deckenausschnitt 68-83 mm, Durchmesser 100 mm, Einbautiefe 55 mm, IP20.
- Ist durch seine Größe für Deckenausschnitte von 68 bis 83 mm einsetzbar.
- Über 30 kompatible LED-Module aus dem Hause Brumberg verwendbar.
- Schwenkbereich 25°.
- Ohne sichtbaren Sprengling.


**EXPAND Einbaustrahler, MR16**

Article no. 20683620

| Article data       |                       |
|--------------------|-----------------------|
| Article no.        | 20683620              |
| GTIN               | 4255752520092         |
| Series name        | EXPAND                |
| Short description  | Einbaustrahler, MR16  |
| Material           | Aluminium             |
| Colour             | aluminum matt brushed |
| Type of surface    | Matt                  |
| Shape              | Round                 |
| Outer diameter     | 100 mm                |
| Built-in diameter  | 68 mm                 |
| Installation depth | 55 mm                 |
| Hight              | 3 mm                  |
| Weight             | 0.106 kg              |
| Conformance        | CE, UKCA              |

| Operating technology of the luminaire |                                   |
|---------------------------------------|-----------------------------------|
| System output                         | 13 W                              |
| Voltage type                          | AC/DC                             |
| AC nominal voltage max                | 12 V                              |
| Frequency max                         | 50 Hz                             |
| Lamp                                  | For LED-retrofill lamp            |
| Lamp holder                           | GX5.3                             |
| Protection class                      | III                               |
| Degree of protection                  | IP20                              |
| Dimmable                              | Depending on type of control gear |
| Control                               | Depending on driver               |
| Bulb change possible                  | Yes                               |
| Energy efficiency class               | nicht erforderlich                |

| Mounting technology    |                                                     |
|------------------------|-----------------------------------------------------|
| Mounting method        | Recessed mounting                                   |
| Place of installation  | Ceiling-mounted                                     |
| Adjustability          | Pivoted                                             |
| Swivel angle           | 25°                                                 |
| Max. ceiling thickness | 15 mm                                               |
| Further references     | No cover with thermal insulation material Smarthome |
| Material cover         | Without cover                                       |
| Circlip                | Without circlip                                     |

| Packing data            |                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gross weight            | 0.165 kg                                                                                                                                                                                                                                                                                                                                                                       |
| Length of packaging     | 125 mm                                                                                                                                                                                                                                                                                                                                                                         |
| Packaging width         | 110 mm                                                                                                                                                                                                                                                                                                                                                                         |
| Packaging hight         | 70 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> |


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| Compatible LED-modu- |        |            |                             |                  |               |         |                 |
|----------------------|--------|------------|-----------------------------|------------------|---------------|---------|-----------------|
| Article no.          | Power  | Beam angle | Colour temperature          | Colour rendering | Luminous 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 / 4.000 K | CRI > 80         | 971 lm        | 350 mA  | 34 mm           |

**Optional accessories**