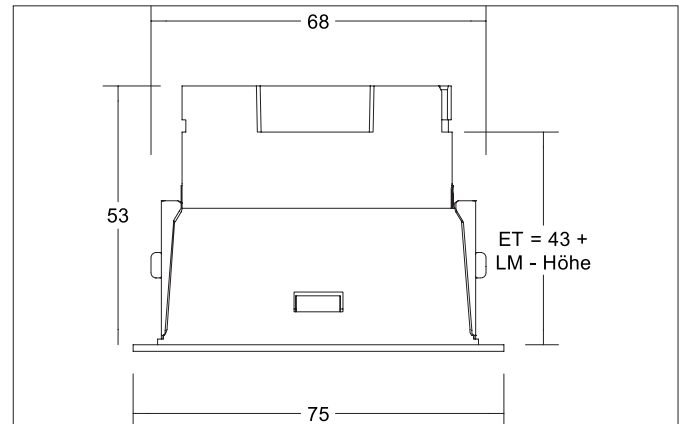


**BINATO LED recessed spot, rotatable and pivoted, without LED module**

Article no. 20173550


**Tender**

Recessed spotlight, rotatable and tiltable, without LED module, textured white / matt black inside, 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 BINATO recessed unit. The installation depth of the luminaire depends on the LED module used (here: 43 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 / plastic, Protection rating on room side: to DIN EN 60529: IP20, Protection class: (EN 61140) III, Power: 13 W, Adjustability: can be rotated and swivelled, without control gear, Dimmable: depending on control gear, Type of dimming: depending on control gear.

**Product Benefits**

- High color variance.
- Rotatable and pivoted.
- Leaf spring mounting.
- Interchangeable inner ring with clear glass cover .
- Color variants black and white also available as complete set with trailing-edge phase dimmable converter or DALI converter.
- DALI variant with connection box in set.

**BINATO LED recessed spot, rotatable and pivoted, without LED module**

Article no. 20173550

| Article data      |                                                              |
|-------------------|--------------------------------------------------------------|
| Article no.       | 20173550                                                     |
| GTIN              | 4251433981589                                                |
| Series name       | BINATO                                                       |
| Short description | LED recessed spot, rotatable and pivoted, without LED module |
| Material          | Aluminium / Plastic                                          |
| Colour            | White / Black                                                |
| Type of surface   | Structure                                                    |
| Shape             | Round                                                        |
| Outer diameter    | 75 mm                                                        |
| Built-in diameter | 68 mm                                                        |
| Hight             | 2 mm                                                         |
| Scope of delivery | incl. leaf spring mounting                                   |
| Weight            | 0.078 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                  | IP20                              |
| Dimmable                              | Depending on type of control gear |
| Control                               | Depending on driver               |
| Energy efficiency class               | nicht erforderlich                |

| Mounting technology    |                                           |
|------------------------|-------------------------------------------|
| Mounting method        | Recessed mounting                         |
| Place of installation  | Ceiling-mounted                           |
| Adjustability          | Rotatable and pivoted                     |
| Swivel angle           | 30°                                       |
| Rotation angle         | 355°                                      |
| Max. ceiling thickness | 25 mm                                     |
| Further references     | No cover with thermal insulation material |
| Material cover         | Glass transparent                         |
| Circlip                | Without circlip                           |

| Packing data            |                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gross weight            | 0.11 kg                                                                                                                                                                                                                                                                                                                                                                        |
| Length of packaging     | 85 mm                                                                                                                                                                                                                                                                                                                                                                          |
| Packaging width         | 85 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> |

**BINATO LED recessed spot, rotatable and pivoted, without LED module**

Article no. 20173550

| 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**

Article no.: 81201170

Reducing ring D 110 mm, for luminaire cut-out size 68 mm

[https://www.brumberg.com/fileadmin/products/Datenblatt\\_81201170\\_2021\\_DE.pdf](https://www.brumberg.com/fileadmin/products/Datenblatt_81201170_2021_DE.pdf)

Article no.: 81202170

Reducing ring D 130 mm, for luminaire cut-out size 68 mm

[https://www.brumberg.com/fileadmin/products/Datenblatt\\_81202170\\_2021\\_DE.pdf](https://www.brumberg.com/fileadmin/products/Datenblatt_81202170_2021_DE.pdf)

Article no.: 81203170

Reducing ring D 145 mm, for luminaire cut-out size 68 mm

[https://www.brumberg.com/fileadmin/products/Datenblatt\\_81203170\\_2021\\_DE.pdf](https://www.brumberg.com/fileadmin/products/Datenblatt_81203170_2021_DE.pdf)