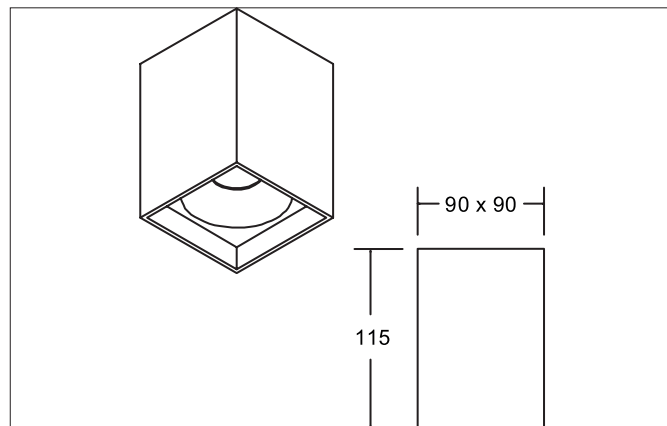


**M1 Surface mounted housing square, recessed, with module bracket flush, rigid**

Article no. 45104560


**Tender**

Surface-mounted ceiling housing, square, recessed, with flush module holder, rigid, without LED module, textured black exterior / textured white interior, square. Compact design for harmonious implementation in harmonious, architectural room concepts. All Brumberg MR16 LED modules can be used for the M1 surface-mounted unit up to the maximum specified wattage. The LED module, the converter or power supply unit and, if applicable, the control unit are not included in the scope of delivery of the surface-mounted unit. We will be happy to help you select the right converter for the housing if you have any queries. Important: when using 24 V LED modules, the power supply unit and the control unit must always be installed outside the housing by the customer. Version: without socket, Mounting type: surface-mounted, Mounting location: ceiling-mounted, Material: aluminum, Protection rating on room side: to DIN EN 60529: IP20, Protection class: (EN 61140) III, Power: 8 W, Number of lamps / sockets: 1 piece, Adjustability: non-adjustable, without control gear, Dimmable: depending on control gear, Type of dimming: depending on control gear.

**Product Benefits**

- Teil des modular aufgebauten M1-Systems für Deckenein- und -anbau und Wandanbau.
- Leergehäuse zur Aufnahme von Brumberg-LED-Modulen bis zu einer Leistung von max. 8 W.
- Lieferbar in einfarbig strukturweiß, strukturschwarz oder in Kombination strukturweiß / strukturschwarz oder strukturschwarz / strukturweiß.
- Über 200 weitere Gehäuseversionen plus ca. 30 verschiedene LED-Module für diese Gehäuseversionen für alle gängigen Ansteuerungsarten.

Hinweis: Bei Bestückung mit 24 V-LED-Modulen muß das Netzgerät und die Steuerung aus Platzgründen immer bauseits außerhalb des Gehäuses untergebracht werden.

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| Article data      |                                                                            |
|-------------------|----------------------------------------------------------------------------|
| Article no.       | 45104560                                                                   |
| GTIN              | 4251433932000                                                              |
| Series name       | M1                                                                         |
| Short description | Surface mounted housing square, recessed, with module bracket flush, rigid |
| Material          | Aluminium                                                                  |
| Colour            | Black / White                                                              |
| Type of surface   | Structure                                                                  |
| Shape             | Square                                                                     |
| Length            | 90 mm                                                                      |
| Width             | 90 mm                                                                      |
| Hight             | 115 mm                                                                     |
| Scope of delivery | Incl. module bracket flush, rigid, IP44                                    |
| Weight            | 0.417 kg                                                                   |
| Conformance       | CE, UKCA                                                                   |

| Operating technology of the luminaire |                                   |
|---------------------------------------|-----------------------------------|
| 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       | Surface mounting  |
| Place of installation | Ceiling-mounted   |
| Adjustability         | Not adjustable    |
| Material cover        | Glass transparent |
| Circlip               | Without circlip   |

| Packing data            |                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gross weight            | 0.462 kg                                                                                                                                                                                                                                                                                                                                                                       |
| Length of packaging     | 100 mm                                                                                                                                                                                                                                                                                                                                                                         |
| Packaging width         | 100 mm                                                                                                                                                                                                                                                                                                                                                                         |
| Packaging hight         | 135 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           |
| 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           |

**Required accessories**

Article no.: 17665000

LED converter 350 mA, switchable

Power: 1 - 3,2 W, Plug&amp;Play

Dimensions: 52 mm x 30 mm x 23 mm

[https://www.brumberg.com/fileadmin/products/Datenblatt\\_17665000\\_2021\\_DE.pdf](https://www.brumberg.com/fileadmin/products/Datenblatt_17665000_2021_DE.pdf)

Article no.: 17662000

LED converter 350 mA, on/off switchable

Power: 1 - 7,2 W, Plug&amp;Play

Dimensions: 68 mm x 35 mm x 21 mm

[https://www.brumberg.com/fileadmin/products/Datenblatt\\_17662000\\_2021\\_DE.pdf](https://www.brumberg.com/fileadmin/products/Datenblatt_17662000_2021_DE.pdf)

Article no.: 17652000

LED-round converter 350 mA, trailing-edge phase dimmer

Power: 4,9 - 7 W, Plug&amp;Play

Dimensions: 51 mm x 24 mm

[https://www.brumberg.com/fileadmin/products/Datenblatt\\_17652000\\_2021\\_DE.pdf](https://www.brumberg.com/fileadmin/products/Datenblatt_17652000_2021_DE.pdf)

Article no.: 17658000

LED round converter 350 mA, DALI dimmable (digital)

Power: 2,1 - 9 W, Plug&amp;Play

Dimensions: 56 mm x 25 mm

[https://www.brumberg.com/fileadmin/products/Datenblatt\\_17658000\\_2021\\_DE.pdf](https://www.brumberg.com/fileadmin/products/Datenblatt_17658000_2021_DE.pdf)