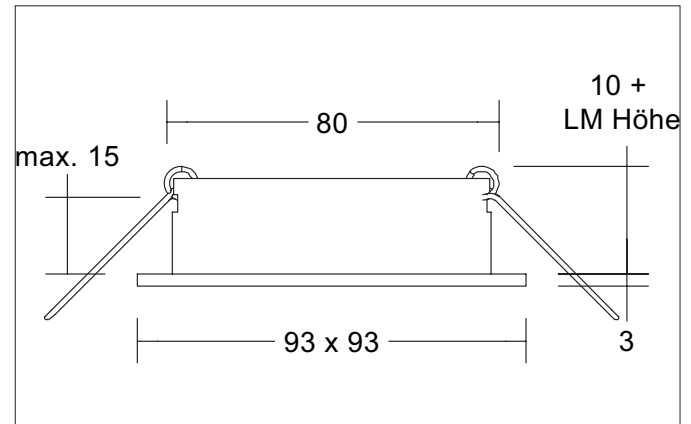


M1 Einbaugehäuse, quadratisch, bündig, mit Modulhalterung bündig, schwenkbar, ohne LED-Modul

Article no. 45009180

**Tender**

Recessed housing, square, flush, with module holder flush, pivoting, without LED module, textured black, square. Designed in compact form for tool-free quick installation for recessed ceiling mounting. All Brumberg MR16 LED modules can be used for the M1 installation unit up to the maximum specified wattage. The installation depth of the luminaire depends on the LED module used. 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, Protection rating on room side: according to DIN EN 60529: IP20, Protection class: (EN 61140) III, Power: 13 W, Number of lamps / sockets: 1 piece, Adjustability: swivel, 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. 13 W.
- Als ähnliches, starres Gehäuse raumseitig auch in Ausführung IP44 lieferbar.
- 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.
- Darüber hinaus mehrlampige Versionen im Portfolio.

M1 Einbaugehäuse, quadratisch, bündig, mit Modulhalterung bündig, schwenkbar, ohne LED-Modul

Article no. 45009180

Article data	
Article no.	45009180
GTIN	4251433931256
Series name	M1
Short description	Einbaugehäuse, quadratisch, bündig, mit Modulhalterung bündig, schwenkbar, ohne LED-Modul
Material	Aluminium
Colour	Black
Type of surface	Structure
Shape	Square
Length	93 mm
Width	93 mm
Built-in diameter	80 mm
Hight	3 mm
Scope of delivery	inkl. Modulhalterung bündig, schwenkbar
Weight	0.127 kg
Conformance	CE, UKCA

Operating technology of the luminaire	
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	Pivoted
Swivel angle	20°
Max. ceiling thickness	15 mm
Further references	No cover with thermal insulation material
Material cover	Without cover
Circlip	Without circlip
Suitable for through-wiring	Yes, with optional accessories

Packing data	
Gross weight	0.156 kg
Length of packaging	115 mm
Packaging width	100 mm
Packaging hight	50 mm
Disposal at end of life	This product must not be disposed of with household waste. You are obliged, to dispose of such electrical waste separately. 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.

M1 Einbaugehäuse, quadratisch, bündig, mit Modulhalterung bündig, schwenkbar, ohne LED-Modul

Article no. 45009180

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

M1 Einbaugehäuse, quadratisch, bündig, mit Modulhalterung bündig, schwenkbar, ohne LED-Modul

Article no. 45009180

Required accessories

Article no.: 17665000

LED converter 350 mA, switchable

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

Dimensions: 52 mm x 30 mm x 23 mm

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&Play

Dimensions: 68 mm x 35 mm x 21 mm

https://www.brumberg.com/fileadmin/products/Datenblatt_17662000_2021_DE.pdf

Article no.: 17662020

LED converter 350 mA, on/off switchable

Power: 1 - 7,2 W, Plug&Play + Anschlussbox

Dimensions: 68 mm x 35 mm x 21 mm

https://www.brumberg.com/fileadmin/products/Datenblatt_17662020_2021_DE.pdf

Article no.: 17613000

LED converter 350 mA, on/off switchable

Power: 1 - 15 W, Plug&Play

Dimensions: 115 mm x 34 mm x 19 mm

https://www.brumberg.com/fileadmin/products/Datenblatt_17613000_2021_DE.pdf

Article no.: 17613020

LED converter 350 mA, on/off switchable

Power: 1 - 15 W, Plug&Play + Anschlussbox

Dimensions: 115 mm x 34 mm x 19 mm

https://www.brumberg.com/fileadmin/products/Datenblatt_17613020_2021_DE.pdf

Article no.: 17621000

LED converter 350 mA, on/off switchable

Power: 1 - 21 W, Plug&Play

Dimensions: 128 mm x 50 mm x 13 mm

https://www.brumberg.com/fileadmin/products/Datenblatt_17621000_2021_DE.pdf

Article no.: 17621020

LED converter 350 mA, on/off switchable

Power: 1 - 21 W, Plug&Play + Anschlussbox

Dimensions: 128 mm x 50 mm x 13 mm

https://www.brumberg.com/fileadmin/products/Datenblatt_17621020_2021_DE.pdf

Article no.: 17663000

LED converter 350 mA, trailing-edge phase dimmable

Power: 2,8 - 7 W, Plug&Play

Dimensions: 110 mm x 50 mm x 19 mm

https://www.brumberg.com/fileadmin/products/Datenblatt_17663000_2021_DE.pdf

Article no.: 17663020

LED converter 350 mA, trailing-edge phase dimmable

Power: 2,8 - 7 W, Plug&Play + Anschlussbox

Dimensions: 110 mm x 50 mm x 19 mm

https://www.brumberg.com/fileadmin/products/Datenblatt_17663020_2021_DE.pdf

Article no.: 17664000

LED converter 350 mA, trailing-edge phase dimmable

Power: 10,2 - 14 W, Plug&Play

Dimensions: 125 mm x 51 mm x 20 mm

https://www.brumberg.com/fileadmin/products/Datenblatt_17664000_2021_DE.pdf

M1 Einbaugehäuse, quadratisch, bündig, mit Modulhalterung bündig, schwenkbar, ohne LED-Modul

Article no. 45009180

Required accessories
Article no.: 17664020 LED converter 350 mA, trailing-edge phase dimmable Power: 10,2 - 14 W, Plug&Play + Anschlussbox Dimensions: 125 mm x 51 mm x 20 mm https://www.brumberg.com/fileadmin/products/Datenblatt_17664020_2021_DE.pdf
Article no.: 17652000 LED-round converter 350 mA, trailing-edge phase dimmer Power: 4,9 - 7 W, Plug&Play Dimensions: 51 mm x 24 mm https://www.brumberg.com/fileadmin/products/Datenblatt_17652000_2021_DE.pdf
Article no.: 17652020 LED-round converter 350 mA, trailing-edge phase dimmer Power: 4,9 - 7 W, Plug&Play + Anschlussbox Dimensions: 51 mm x 24 mm https://www.brumberg.com/fileadmin/products/Datenblatt_17652020_2021_DE.pdf
Article no.: 17640000 LED converter 350 mA, trailing-edge phase dimmable Power: 4,2 - 10 W, Plug&Play Dimensions: 102 mm x 38 mm x 21 mm https://www.brumberg.com/fileadmin/products/Datenblatt_17640000_2021_DE.pdf
Article no.: 17640020 LED converter 350 mA, trailing-edge phase dimmable Power: 4,2 - 10 W, Plug&Play + Anschlussbox Dimensions: 102 mm x 38 mm x 21 mm https://www.brumberg.com/fileadmin/products/Datenblatt_17640020_2021_DE.pdf
Article no.: 17643000 LED converter 350 mA, trailing-edge phase dimmable Power: 8,8 - 18 W, Plug&Play Dimensions: 110.5 mm x 52 mm x 22 mm https://www.brumberg.com/fileadmin/products/Datenblatt_17643000_2021_DE.pdf
Article no.: 17643020 LED converter 350 mA, trailing-edge phase dimmable Power: 8,8 - 18 W, Plug&Play + Anschlussbox Dimensions: 110.5 mm x 52 mm x 22 mm https://www.brumberg.com/fileadmin/products/Datenblatt_17643020_2021_DE.pdf
Article no.: 17648000 LED converter 350 mA, trailing-edge phase dimmable Power: 0,7 - 17 W, Plug&Play Dimensions: 166 mm x 46 mm x 34 mm https://www.brumberg.com/fileadmin/products/Datenblatt_17648000_2021_DE.pdf
Article no.: 17648020 LED converter 350 mA, trailing-edge phase dimmable Power: 0,7 - 17 W, Plug&Play + Anschlussbox Dimensions: 166 mm x 46 mm x 34 mm https://www.brumberg.com/fileadmin/products/Datenblatt_17648020_2021_DE.pdf
Article no.: 17657000 LED converter 350 mA, 1-10 V dimmable (analog) Power: 5,2 - 18 W, Plug&Play Dimensions: 110 mm x 52 mm x 22 mm https://www.brumberg.com/fileadmin/products/Datenblatt_17657000_2021_DE.pdf

M1 Einbaugehäuse, quadratisch, bündig, mit Modulhalterung bündig, schwenkbar, ohne LED-Modul

Article no. 45009180

Required accessories

Article no.: 17684000

LED converter 350 mA, DALI dimmable (digital)

Power: 2,8 - 7 W, Plug&Play

Dimensions: 130 mm x 42 mm x 22 mm

https://www.brumberg.com/fileadmin/products/Datenblatt_17684000_2021_DE.pdf

Article no.: 17684020

LED converter 350 mA, DALI dimmable (digital)

Power: 2,8 - 7 W, Plug&Play + Anschlussbox

Dimensions: 130 mm x 42 mm x 22 mm

https://www.brumberg.com/fileadmin/products/Datenblatt_17684020_2021_DE.pdf

Article no.: 17658000

LED round converter 350 mA, DALI dimmable (digital)

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

Dimensions: 56 mm x 25 mm

https://www.brumberg.com/fileadmin/products/Datenblatt_17658000_2021_DE.pdf

Article no.: 17658020

LED round converter 350 mA, DALI dimmable (digital)

Power: 2,1 - 9 W, Plug&Play + Anschlussbox

Dimensions: 56 mm x 25 mm

https://www.brumberg.com/fileadmin/products/Datenblatt_17658020_2021_DE.pdf

Article no.: 17683000

LED converter 350 mA, DALI dimmable (digital)

Power: 3,5 - 17 W, Plug&Play

Dimensions: 110.5 mm x 52 mm x 22 mm

https://www.brumberg.com/fileadmin/products/Datenblatt_17683000_2021_DE.pdf

Article no.: 17683020

LED converter 350 mA, DALI dimmable (digital)

Power: 3,5 - 17 W, Plug&Play + Anschlussbox

Dimensions: 110.5 mm x 52 mm x 22 mm

https://www.brumberg.com/fileadmin/products/Datenblatt_17683020_2021_DE.pdf

Article no.: 17682000

LED converter 350 mA, DALI dimmable (digital)

Power: 1,8 - 18,5 W, Plug&Play

Dimensions: 146.5 mm x 43.5 mm x 22 mm

https://www.brumberg.com/fileadmin/products/Datenblatt_17682000_2021_DE.pdf

Article no.: 17682020

LED converter 350 mA, DALI dimmable (digital)

Power: 1,8 - 18,5 W, Plug&Play + Anschlussbox

Dimensions: 146.5 mm x 43.5 mm x 22 mm

https://www.brumberg.com/fileadmin/products/Datenblatt_17682020_2021_DE.pdf

Article no.: 17671000

LED converter 350mA, ZigBee dimmable

Power: 3,5 - 18,5 W, Plug&Play

Dimensions: 146.5 mm x 44 mm x 30 mm

https://www.brumberg.com/fileadmin/products/Datenblatt_17671000_2021_DE.pdf

Article no.: 17671020

LED converter 350mA, ZigBee dimmable

Power: 3,5 - 18,5 W, Plug&Play + Anschlussbox

Dimensions: 146.5 mm x 44 mm x 30 mm

https://www.brumberg.com/fileadmin/products/Datenblatt_17671020_2021_DE.pdf

M1 Einbaugehäuse, quadratisch, bündig, mit Modulhalterung bündig, schwenkbar, ohne LED-Modul
Article no. 45009180**Required accessories**

Article no.: 17672000

LED converter 350mA, Casambi dimmable

Power: 3,5 - 18,5 W, Plug&Play

Dimensions: 146.5 mm x 44 mm x 30 mm

https://www.brumberg.com/fileadmin/products/Datenblatt_17672000_2021_DE.pdf

Article no.: 17672020

LED converter 350mA, Casambi dimmable

Power: 3,5 - 18,5 W, Plug&Play + Anschlussbox

Dimensions: 146.5 mm x 44 mm x 30 mm

https://www.brumberg.com/fileadmin/products/Datenblatt_17672020_2021_DE.pdf