

**Multi Look LED
MWCB22xx9**

Spezielle Kombination aus Reflektor und Streulinse. Dadurch wird eine Abstrahlcharakteristik ähnlich einer Mehr-Chip LED erreicht. Zwischen Reflektorelement und Sockel ist zur Realisierung der Bauhöhe ein Isolierenteil in Leuchtfarbe der LED eingebaut.

**Multi Look LED
MWCB22xx9**

A specific combination of reflector and diverging lens permits a large viewing angle similar to a multi-chip LED. An insulating part in light colour mounted between reflector element and socket determines the height of the lamp.



Spezifikation

Einbauöffnung: min. Ø9,9mm
Anschluss: Sockel BA9s
Betriebsspannung: 6/7V, 12/14V, 24/28V, 42/48V, 60V, 130V, 230V AC/DC

ACHTUNG!

Die 130V-Typen dürfen nicht in Lampenfassungselementen mit integriertem Vorwiderstand zum Betrieb von 130V-Lampen verwendet werden. Für diese Anwendungen ist ausschließlich der Einsatz unserer serienmäßigen 230V-Typen zulässig.

Specification

*Mounting-hole: min. Ø9,9mm
Connection: Socket BA9s
Operating voltage: 6/7V, 12/14V, 24/28V, 42/48V, 60V, 130V, 230V AC/DC*

ATTENTION!

The 130V- types must not be used in lamp socket elements with integrated resistor for the operation of 130V- lamps. For this kind of application, solely our standard 230V- types are allowable.

| Materialien | | Material | |
|---------------------------|-----------------------------|------------------------------|----------------------------|
| Teil | Material | Part | Material |
| Reflektor | Polybutylenterephthalat | Reflector | polybutylene terephthalate |
| Isolierenteil | Polycarbonat in Leuchtfarbe | Insulating part | Polycarbonat pigmented |
| Betriebstemperatur | -30°C/+85°C | Operation Temperature | -30°C/+85°C |
| Lagertemperatur | -40°C/+100°C | Storage Temperature | -40°C/+100°C |
















Optionen

- Sockel E10
180-MWCE22XX9
Multi Look LED
- Baureihe mit Höhe 28 mm
- Sonderspannungen bis 60V

Options

- Socket E10
180-MWCE22XX9
Multi Look LED
- Series in height 28 mm
- Special voltages up to 60V

| Artikel/ Part | | Artikel-Text | | | | Part-Text | | | | |
|---------------------|-------------------------|--|-----------------------------|-----------------------------|--------------------------|---|------------------|-------------------|-----------------------------|-----------------------------|
| Spannung Voltage | Farbe Color | Lichtstärke Luminous Intensity | Vollwinkel Viewing Angle | Lichtstrom Luminous Flux | Leuchtdichte luminous | Beleuchtungsstärke Illumination Level | Strom Current | Leistung Power | Lebensdauer Life-Time(1) | Anzahl LED Number of LED |
| MWCB22019 | | Multi Look LED ROT 6/7V AC/DC BA9s | | | | Multi Look LED RED 6/7V AC/DC BA9s | | | | |
| 6 V | rot red | 230 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 14 mA | 84 mW | 60000 h | 1 |
| MWCB22029 | | Multi Look LED ROT 12/14V AC/DC BA9s | | | | Multi Look LED RED 12/14V AC/DC BA9s | | | | |
| 12 V | rot red | 230 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 15 mA | 180 mW | 60000 h | 1 |
| MWCB22049 | | Multi Look LED ROT 24/28V AC/DC BA9s | | | | Multi Look LED RED 24/28V AC/DC BA9s | | | | |
| 24 V | rot red | 230 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 19 mA | 456 mW | 60000 h | 1 |
| MWCB22069 | | Multi Look LED ROT 60V AC/DC BA9s | | | | Multi Look LED RED 60V AC/DC BA9s | | | | |
| 60 V | rot red | 230 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 10 mA | 600 mW | 60000 h | 1 |
| MWCB22119 | | Multi Look LED GELB 6/7V AC/DC BA9s | | | | Multi Look LED YELLOW 6/7V AC/DC BA9s | | | | |
| 6 V | gelb yellow | 180 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 14 mA | 84 mW | 60000 h | 1 |
| MWCB22129 | | Multi Look LED GELB 12/14V AC/DC BA9s | | | | Multi Look LED YELLOW 12/14V AC/DC BA9s | | | | |
| 12 V | gelb yellow | 180 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 15 mA | 180 mW | 60000 h | 1 |
| MWCB22149 | | Multi Look LED GELB 24/28V AC/DC BA9s | | | | Multi Look LED YELLOW 24/28V AC/DC BA9s | | | | |
| 24 V | gelb yellow | 180 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 19 mA | 456 mW | 60000 h | 1 |
| MWCB22169 | | Multi Look LED GELB 60V AC/DC BA9s | | | | Multi Look LED YELLOW 60V AC/DC BA9s | | | | |
| 60 V | gelb yellow | 180 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 10 mA | 600 mW | 60000 h | 1 |
| MWCB22429 | | Multi Look LED BLAU 12/14V AC/DC BA9s | | | | Multi Look LED BLUE 12/14V AC/DC BA9s | | | | |
| 12 V | blau blue | 250 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 13 mA | 156 mW | 60000 h | 1 |
| MWCB22449 | | Multi Look LED BLAU 24/28V AC/DC BA9s | | | | Multi Look LED BLUE 24/28V AC/DC BA9s | | | | |
| 24 V | blau blue | 250 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 18 mA | 432 mW | 60000 h | 1 |
| MWCB22469 | | Multi Look LED BLAU 60V AC/DC BA9s | | | | Multi Look LED BLUE 60V AC/DC BA9s | | | | |
| 60 V | blau blue | 250 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 10 mA | 600 mW | 60000 h | 1 |
| MWCB22479 | | Multi Look LED BLAU 130V AC/DC BA9s | | | | Multi Look LED BLUE 130V AC/DC BA9s | | | | |
| 130 V | blau blue | 250 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 5,7mA | 741 mW | 60000 h | 1 |
| MWCB22489 | | Multi Look LED BLAU 230V AC/DC BA9s | | | | Multi Look LED BLUE 230V AC/DC BA9s | | | | |
| 230 V | blau blue | 250 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 3,1mA | 713 mW | 60000 h | 1 |
| MWCB22529 | | Multi Look LED WARMWEISS 12/14V AC/DC BA9s | | | | Multi Look LED WARM WHITE 12/14V AC/DC BA9s | | | | |
| 12 V | warmweiss warm white | 1.250 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 13 mA | 156 mW | 60000 h | 1 |
| MWCB22549 | | Multi Look LED WARMWEISS 24/28V AC/DC BA9s | | | | Multi Look LED WARM WHITE 24/28V AC/DC BA9s | | | | |
| 24 V | warmweiss warm white | 1.250 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 18 mA | 432 mW | 60000 h | 1 |

| Artikel/ Part | | Artikel-Text | | | | Part-Text | | | | |
|---------------------|---|--|-----------------------------|-----------------------------|--------------------------|---|------------------|-------------------|-----------------------------|-----------------------------|
| Spannung Voltage | Farbe Color | Lichtstärke Luminous Intensity | Vollwinkel Viewing Angle | Lichtstrom Luminous Flux | Leuchtdichte luminous | Beleuchtungsstärke Illumination Level | Strom Current | Leistung Power | Lebensdauer Life-Time(1) | Anzahl LED Number of LED |
| MWCB22569 | | Multi Look LED WARMWEISS 60V AC/DC BA9s | | | | Multi Look LED WARM WHITE 60V AC/DC BA9s | | | | |
| 60 V |  warmweiss warm white | 1.250 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 10 mA | 600 mW | 60000 h | 1 |
| MWCB22589 | | Multi Look LED WARMWEISS 230V AC/DC BA9s | | | | Multi Look LED WARM WHITE 230V AC/DC BA9s | | | | |
| 230 V |  warmweiss warm white | 1.250 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 3,1mA | 713 mW | 60000 h | 1 |
| MWCB22619 | | Multi Look LED WEISS 6/7V AC/DC BA9s | | | | Multi Look LED WHITE 6/7V AC/DC BA9s | | | | |
| 6 V |  weiss white | 1.250 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 7,8mA | 47 mW | 60000 h | 1 |
| MWCB22629 | | Multi Look LED WEISS 12/14V AC/DC BA9s | | | | Multi Look LED WHITE 12/14V AC/DC BA9s | | | | |
| 12 V |  weiss white | 1.250 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 13 mA | 156 mW | 60000 h | 1 |
| MWCB22649 | | Multi Look LED WEISS 24/28V AC/DC BA9s | | | | Multi Look LED WHITE 24/28V AC/DC BA9s | | | | |
| 24 V |  weiss white | 1.250 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 18 mA | 432 mW | 60000 h | 1 |
| MWCB22659 | | Multi Look LED WEISS 42/48V AC/DC BA9s | | | | Multi Look LED WHITE 42/48V AC/DC BA9s | | | | |
| 42 V |  weiss white | 1.250 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 12 mA | 504 mW | 60000 h | 1 |
| MWCB22669 | | Multi Look LED WEISS 60V AC/DC BA9s | | | | Multi Look LED WHITE 60V AC/DC BA9s | | | | |
| 60 V |  weiss white | 1.250 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 10 mA | 600 mW | 60000 h | 1 |
| MWCB22679 | | Multi Look LED WEISS 130V AC/DC BA9s | | | | Multi Look LED WHITE 130V AC/DC BA9s | | | | |
| 130 V |  weiss white | 1.250 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 5,7mA | 741 mW | 60000 h | 1 |
| MWCB22689 | | Multi Look LED WEISS 230V AC/DC BA9s | | | | Multi Look LED WHITE 230V AC/DC BA9s | | | | |
| 230 V |  weiss white | 1.250 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 3,1mA | 713 mW | 60000 h | 1 |
| MWCB22719 | | Multi Look LED UGRÜN 6/7V AC/DC BA9s | | | | Multi Look LED UGREEN 6/7V AC/DC BA9s | | | | |
| 6 V |  ugrün ugreen | 900 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 9,2mA | 55 mW | 60000 h | 1 |
| MWCB22729 | | Multi Look LED UGRÜN 12/14V AC/DC BA9s | | | | Multi Look LED UGREEN 12/14V AC/DC BA9s | | | | |
| 12 V |  ugrün ugreen | 900 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 13 mA | 156 mW | 60000 h | 1 |
| MWCB22749 | | Multi Look LED UGRÜN 24/28V AC/DC BA9s | | | | Multi Look LED UGREEN 24/28V AC/DC BA9s | | | | |
| 24 V |  ugrün ugreen | 900 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 18 mA | 432 mW | 60000 h | 1 |
| MWCB22769 | | Multi Look LED UGRÜN 60V AC/DC BA9s | | | | Multi Look LED UGREEN 60V AC/DC BA9s | | | | |
| 60 V |  ugrün ugreen | 900 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 10 mA | 600 mW | 60000 h | 1 |
| MWCB22779 | | Multi Look LED UGRÜN 130V AC/DC BA9s | | | | Multi Look LED UGREEN 130V AC/DC BA9s | | | | |
| 130 V |  ugrün ugreen | 900 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 5,7mA | 741 mW | 60000 h | 1 |
| MWCB22789 | | Multi Look LED UGRÜN 230V AC/DC BA9s | | | | Multi Look LED UGREEN 230V AC/DC BA9s | | | | |
| 230 V |  ugrün ugreen | 900 mcd/ 20,000 mA | 160° | lm cd/m ² | | | 3,1mA | 713 mW | 60000 h | 1 |

(1) Lebensdauer bei 25° C Umgebungstemperatur

Lebensdauer: Die Lebensdauer einer LED ist definiert als Abnahme der Helligkeit auf 50% des Ausgangswertes

The life time of an LED is defined as decrease of brightness by 50% of the initial value

Technische Änderungen vorbehalten. Datenblatt unterliegt nicht dem Änderungsdienst.
Die angegebenen technischen Daten sind typische Durchschnittswerte.

Helligkeitswerte sofern nicht anders angegeben gemessen nach IEC127.

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Specifications are subject to change without notice.

The technical data are typical figures.

Photometry according to IEC127 unless otherwise indicated.

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