



**Multi-Look® LED Lampe
Sockel BA9s
MWCB22xx9**

Multi-Look® LED Lampe mit Single-Chip.
Durch die Versiegelung der Chip-LED wird
sowohl eine Vergrößerung des Abstrahlwinkels
als auch ein hoher mechanischer
Schutz erreicht.
Schock- und vibrationsfest.

**Multi-Look® LED lamp
socket BA9s
MWCB22xx9**

*Multi-Look® LED lamp with single chip.
By sealing the Chip-LED, both an
enlargement of the beam angle and a
high mechanical protection will be
achieved.
Shock and vibration resistant.*



Spezifikation

Maße: Ø9,7 mm / Länge 22 mm
Sockel: BA9s
Betriebsspannung:
6V, 12V, 24V, 42V, 60V +15% AC/DC
130V, 230V +10% AC/DC

ACHTUNG!

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

Specification

*Dimensions: Ø9.7 mm / length 22 mm
Socket: BA9s
Operating voltage:
6V, 12V, 24V, 42V, 60V +15% AC/DC
130V, 230V +10% 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

Teil	Material
Reflektor	PBT Polybutylenterephthalat
Isolierteil	Polycarbonat in Leuchtfarbe

Material

Part	Material
Reflector	PBT polybutylene terephthalate
Insulating part	Polycarbonat in luminous color



Betriebstemperatur -30°C/+75°C
Lagertemperatur -40°C/+100°C

Operation Temperature -30°C/+75°C
Storage Temperature -40°C/+100°C

Optionen

- Sockel E10
Multi-Look® LED Lampe
MWCE22xx9_180.pdf
- Baureihe mit Höhe 28 mm

Options

- Socket E10
Multi-Look® LED lamp
MWCE22xx9_180.pdf
- Series in height 28 mm

Artikel/ Part		Artikel-Text					Part-Text				
Spannung Voltage	Farbe Color	Lichtstärke Luminous Intensity	Vollwinkel Viewing Angle	Lichtstrom Luminous Flux	Leuchtdichte luminous density	Beleuchtungsstärke Illumination Level	Strom Current	Leistung Power	Lebensdauer Life-Time(1)	Anzahl LED Number of LED	
MWCB22019 Multi-Look® LED Lampe rot 6V AC/DC BA9s Multi-Look® LED lamp red 6V AC/DC BA9s											
6 V	rot red	130 mcd/ @ 14,400 mA	160°	0,58 lm			14,4mA	90 mW	60000 h	1	
MWCB22029 Multi-Look® LED Lampe rot 12V AC/DC BA9s Multi-Look® LED lamp red 12V AC/DC BA9s											
12 V	rot red	140 mcd/ @ 15,900 mA	160°	0,64 lm			15,9mA	200 mW	60000 h	1	
MWCB22049 Multi-Look® LED Lampe rot 24V AC/DC BA9s Multi-Look® LED lamp red 24V AC/DC BA9s											
24 V	rot red	170 mcd/ @ 19,500 mA	160°	0,79 lm			19,5mA	470 mW	60000 h	1	
MWCB22059 Multi-Look® LED Lampe rot 48V AC/DC BA9s Multi-Look® LED lamp red 48V AC/DC BA9s											
48 V	rot red	120 mcd/ @ 14,800 mA	160°	0,69 lm			14,8mA	710 mW	60000 h	1	
MWCB22069 Multi-Look® LED Lampe rot 60V AC/DC BA9s Multi-Look® LED lamp red 60V AC/DC BA9s											
60 V	rot red	100 mcd/ @ 10,900 mA	160°	0,44 lm			10,9mA	660 mW	60000 h	1	
MWCB22119 Multi-Look® LED Lampe gelb 6V AC/DC BA9s Multi-Look® LED lamp yellow 6V AC/DC BA9s											
6 V	gelb yellow	110 mcd/ @ 13,900 mA	160°	0,64 lm			13,9mA	90 mW	60000 h	1	
MWCB22129 Multi-Look® LED Lampe gelb 12V AC/DC BA9s Multi-Look® LED lamp yellow 12V AC/DC BA9s											
12 V	gelb yellow	120 mcd/ @ 15,700 mA	160°	0,73 lm			15,7mA	190 mW	60000 h	1	
MWCB22149 Multi-Look® LED Lampe gelb 24V AC/DC BA9s Multi-Look® LED lamp yellow 24V AC/DC BA9s											
24 V	gelb yellow	150 mcd/ @ 19,400 mA	160°	0,9 lm			19,4mA	470 mW	60000 h	1	
MWCB22159 Multi-Look® LED Lampe gelb 48V AC/DC BA9s Multi-Look® LED lamp yellow 48V AC/DC BA9s											
48 V	gelb yellow	130 mcd/ @ 14,900 mA	160°	0,6 lm			14,9mA	720 mW	60000 h	1	
MWCB22169 Multi-Look® LED Lampe gelb 60V AC/DC BA9s Multi-Look® LED lamp yellow 60V AC/DC BA9s											
60 V	gelb yellow	90 mcd/ @ 10,900 mA	160°	0,5 lm			10,9mA	660 mW	60000 h	1	
MWCB22419 Multi-Look® LED Lampe blau 6V AC/DC BA9s Multi-Look® LED lamp blue 6V AC/DC BA9s											
6 V	blau blue	160 mcd/ @ 15,000 mA	160°	0,63 lm			15 mA	90 mW	60000 h	1	
MWCB22429 Multi-Look® LED Lampe blau 12V AC/DC BA9s Multi-Look® LED lamp blue 12V AC/DC BA9s											
12 V	blau blue	150 mcd/ @ 13,900 mA	160°	0,58 lm			13,9mA	170 mW	60000 h	1	
MWCB22449 Multi-Look® LED Lampe blau 24V AC/DC BA9s Multi-Look® LED lamp blue 24V AC/DC BA9s											
24 V	blau blue	190 mcd/ @ 18,500 mA	160°	0,77 lm			18,5mA	450 mW	60000 h	1	
MWCB22459 Multi-Look® LED Lampe blau 48V AC/DC BA9s Multi-Look® LED lamp blue 48V AC/DC BA9s											
48 V	blau blue	150 mcd/ @ 14,700 mA	160°	0,61 lm			14,7mA	710 mW	60000 h	1	
MWCB22469 Multi-Look® LED Lampe blau 60V AC/DC BA9s Multi-Look® LED lamp blue 60V AC/DC BA9s											
60 V	blau blue	110 mcd/ @ 10,700 mA	160°	0,45 lm			10,7mA	640 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 density	Beleuchtungsstärke Illumination Level	Strom Current	Leistung Power	Lebensdauer Life-Time(L)	Anzahl LED Number of LED
MWCB22479		Multi-Look® LED Lampe blau 130V AC/DC BA9s				Multi-Look® LED lamp blue 130V AC/DC BA9s				
130 V	blau blue	60 mcd/ @ 5,800 mA	160°	0,24 lm			5,8mA	750 mW	60000 h	1
MWCB22489		Multi-Look® LED Lampe blau 230V AC/DC BA9s				Multi-Look® LED lamp blue 230V AC/DC BA9s				
230 V	blau blue	30 mcd/ @ 3,000 mA	160°	0,13 lm			3 mA	700 mW	60000 h	1
MWCB22519		Multi-Look® LED Lampe warmweiß 6V AC/DC BA9s				Multi-Look® LED lamp warm white 6V AC/DC BA9s				
6 V	warmweiß warm white	740 mcd/ @ 16,000 mA	160°	3,13 lm			16 mA	100 mW	60000 h	1
MWCB22529		Multi-Look® LED Lampe warmweiß 12V AC/DC BA9s				Multi-Look® LED lamp warm white 12V AC/DC BA9s				
12 V	warmweiß warm white	560 mcd/ @ 14,100 mA	160°	2,76 lm			14,1mA	170 mW	60000 h	1
MWCB22549		Multi-Look® LED Lampe warmweiß 24V AC/DC BA9s				Multi-Look® LED lamp warm white 24V AC/DC BA9s				
24 V	warmweiß warm white	860 mcd/ @ 18,600 mA	160°	3,64 lm			18,6mA	450 mW	60000 h	1
MWCB22569		Multi-Look® LED Lampe warmweiß 60V AC/DC BA9s				Multi-Look® LED lamp warm white 60V AC/DC BA9s				
60 V	warmweiß warm white	500 mcd/ @ 10,700 mA	160°	2,09 lm			10,7mA	650 mW	60000 h	1
MWCB22579		Multi-Look® LED Lampe warmweiß 130V AC/DC BA9s				Multi-Look® LED lamp warm white 130V AC/DC BA9s				
130 V	warmweiß warm white	270 mcd/ @ 5,800 mA	160°	1,13 lm			5,8mA	750 mW	60000 h	1
MWCB22589		Multi-Look® LED Lampe warmweiß 230V AC/DC BA9s				Multi-Look® LED lamp warm white 230V AC/DC BA9s				
230 V	warmweiß warm white	140 mcd/ @ 3,000 mA	160°	0,59 lm			3 mA	700 mW	60000 h	1
MWCB22619		Multi-Look® LED Lampe weiß 6V AC/DC BA9s				Multi-Look® LED lamp white 6V AC/DC BA9s				
6 V	weiß white	1.080 mcd/ @ 16,000 mA	160°	4,26 lm			16 mA	100 mW	60000 h	1
MWCB22629		Multi-Look® LED Lampe weiß 12V AC/DC BA9s				Multi-Look® LED lamp white 12V AC/DC BA9s				
12 V	weiß white	950 mcd/ @ 14,100 mA	160°	3,75 lm			14,1mA	170 mW	60000 h	1
MWCB22649		Multi-Look® LED Lampe weiß 24V AC/DC BA9s				Multi-Look® LED lamp white 24V AC/DC BA9s				
24 V	weiß white	1.250 mcd/ @ 18,600 mA	160°	4,95 lm			18,6mA	450 mW	60000 h	1
MWCB22659		Multi-Look® LED Lampe weiß 48V AC/DC BA9s				Multi-Look® LED lamp white 48V AC/DC BA9s				
48 V	weiß white	1.000 mcd/ @ 14,800 mA	160°	3,94 lm			14,8mA	710 mW	60000 h	1
MWCB22669		Multi-Look® LED Lampe weiß 60V AC/DC BA9s				Multi-Look® LED lamp white 60V AC/DC BA9s				
60 V	weiß white	720 mcd/ @ 10,700 mA	160°	2,85 lm			10,7mA	650 mW	60000 h	1
MWCB22679		Multi-Look® LED Lampe weiß 130V AC/DC BA9s				Multi-Look® LED lamp white 130V AC/DC BA9s				
130 V	weiß white	390 mcd/ @ 5,800 mA	160°	1,54 lm			5,8mA	750 mW	60000 h	1
MWCB22689		Multi-Look® LED Lampe weiß 230V AC/DC BA9s				Multi-Look® LED lamp white 230V AC/DC BA9s				
230 V	weiß white	200 mcd/ @ 3,000 mA	160°	0,8 lm			3 mA	700 mW	60000 h	1
MWCB22719		Multi-Look® LED Lampe grün 6V AC/DC BA9s				Multi-Look® LED lamp green 6V AC/DC BA9s				
6 V	grün green	460 mcd/ @ 13,000 mA	160°	1,74 lm			13 mA	80 mW	60000 h	1
MWCB22729		Multi-Look® LED Lampe grün 12V AC/DC BA9s				Multi-Look® LED lamp green 12V AC/DC BA9s				
12 V	grün green	470 mcd/ @ 13,500 mA	160°	1,81 lm			13,5mA	170 mW	60000 h	1
MWCB22749		Multi-Look® LED Lampe grün 24V AC/DC BA9s				Multi-Look® LED lamp green 24V AC/DC BA9s				
24 V	grün green	640 mcd/ @ 18,300 mA	160°	2,45 lm			18,3mA	440 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 density	Beleuchtungsstärke Illumination Level	Strom Current	Leistung Power	Lebensdauer Life-Time(1)	Anzahl LED Number of LED	
MWCB22759 Multi-Look® LED Lampe grün 48V AC/DC BA9s											
48 V	grün green	520 mcd/ @ 14,700 mA	160°	1,97 lm			14,7mA	710 mW	60000 h	1	
MWCB22769 Multi-Look® LED Lampe grün 60V AC/DC BA9s											
60 V	grün green	370 mcd/ @ 10,600 mA	160°	1,42 lm			10,6mA	640 mW	60000 h	1	
MWCB22779 Multi-Look® LED Lampe grün 130V AC/DC BA9s											
130 V	grün green	200 mcd/ @ 5,800 mA	160°	0,78 lm			5,8mA	750 mW	60000 h	1	
MWCB22789 Multi-Look® LED Lampe grün 230V AC/DC BA9s											
230 V	grün green	100 mcd/ @ 3,000 mA	160°	0,4 lm			3 mA	700 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 nach CIE127 falls nicht anders angegeben.

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The technical data are typical figures.

Photometry according to CIE127 unless otherwise indicated.

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