



Powerfull punch in a small package

MasterColor CDM-Tm Elite Mini GU6.5

The Mini MasterColor CDM-Tm is ideal for smaller luminaires, perfect for a minimalist design. The Mini MasterColor lamp and ballast system lasts longer than standard halogen PAR38 lamps and consumes less energy. The 'system' includes the MiniMasterColor 3000K lamp, the eVision electronic ballast and a twist & lock lamp base. This system design is ideal for accent and display lighting in specialty retail and architectural outdoor applications.

Benefits

- Energy-efficient system operation reduces operating costs.
- Miniature size means less clutter in the ceiling and more focus on the merchandise.
- Twist and lock lamp base for easy installation and relamping.

Features

- Lamp is up to 40% smaller than industry standard 90W halogen PAR38 lamps.
- Positioning accuracy within the reflector for optimal reflector performance.
- Excellent color quality of up to 90CRI, 3000K.
- Available in 22W and 39W versions.

Application

- Ideal for display and accent lighting in retail, architectural applications.

Warnings and Safety

- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available." This lamp complies with FDA radiation performance standard 21 CFR subchapter J. (USA:21 CFR 1040.30 Canada: SOR/DORS/80-381)

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Dimensional drawing

D

Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MC CDM-Tm Elite Mini 20W/830 GU6.5 1CT	13.3 mm	0.5 in	3.4 mm	28 mm	32 mm	30 mm	56.7 mm
MASTERColor CDM-Tm Elite Mini 35W/930 GU6.5	13.3 mm	0.5 in	4.7 mm	28 mm	32 mm	30 mm	56.7 mm

Controls and dimming	
Dimmable	No
Operating and electrical	
Re-Ignition Time (Min) (Max)	15 min
General information	
Cap-Base	GU6.5
Life To 10% Failures (Nom)	14000 h
Life To 20% Failures (Nom)	16000 h
Life To 50% Failures (Nom)	20000 h
Life To 5% Failures (Nom)	12000 h
Operating Position	Universal
Light technical	
Chromaticity Coordinate Y (Nom)	0.396
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	3000 K
Mechanical and housing	
Bulb Finish	Clear

Approval and application

Order Code	Full Product Name	Energy Consumption kWh/	Mercury (Hg)
		1000 h	Content (Nom)
408500	MC CDM-Tm Elite mini 20W/830 GU6.5.1CT	22 kWh	3.5 mg
418798	MASTERColor CDM-Tm Elite Mini 35W/930 GU6.5	43 kWh	4.7 mg

Operating and electrical

Order Code	Full Product Name	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Nom)
408500	MC CDM-Tm Elite mini 20W/830 GU6.5.1CT	100 V	90 V	95 V	20.1 W
418798	MASTERColor CDM-Tm Elite Mini 35W/930 GU6.5	95 V	79 V	87 V	39.1 W

Luminaire design requirements

Order Code	Full Product Name	Bulb Temperature (Max)
408500	MC CDM-Tm Elite mini 20W/830 GU6.5.1CT	380 °C
418798	MASTERColor CDM-Tm Elite Mini 35W/930 GU6.5	450 °C

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Light technical (1/2)

		Chromaticity	Color		Color			Chromaticity	Color		Color
Order		Coordinate X	Color	Rendering	Rendering	Order		Coordinate X	Color	Rendering	Rendering
Code	Full Product Name	(Nom)	Code	Index (Min)	Index (Nom)	Code	Full Product Name	(Nom)	Code	Index (Min)	Index (Nom)
408500	MC CDM-Tm Elite mini 20W/830 GU6.5.1CT	0.436	830	81	84	418798	MASTERColor CDM-Tm Elite Mini 35W/930 GU6.5	0.435	930	87	90

Light technical (2/2)

		Lumen	Lumen	Lumen	Lumen	Lumen	Lumen	Luminous		
Order		Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Efficacy	Luminous	Luminous
Code	Full Product Name	1000 h (Nom)	10000 h (Nom)	12000 h (Nom)	2000 h (Nom)	4000 h (Nom)	5000 h (Nom)	(rated) (Nom)	Flux (Rated) (Min)	Flux (Rated) (Nom)
408500	MC CDM-Tm Elite mini 20W/830 GU6.5.1CT	91 %	78 %	77 %	87 %	84 %	83 %	90 lm/W	1620 lm	1800 lm
418798	MASTERColor CDM-Tm Elite Mini 35W/930 GU6.5	95 %	-	80 %	93 %	90 %	-	3950 lm/W	3600 lm	4000 lm

Mechanical and housing

Order Code	Full Product Name	Bulb Shape	Order Code	Full Product Name	Bulb Shape
408500	MC CDM-Tm Elite mini 20W/830 GU6.5.1CT	T4	418798	MASTERColor CDM-Tm Elite Mini 35W/930 GU6.5	T13.3

Colour Rendering Diagrams



LDCR_CDM-Tm_35W_930_GU65-Colour rendering diagram

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