



MASTERColour CDM MW Eco

MASTERColour MW eco MASTERColour CDM-EP MW eco 230W/840 E40

Ceramic metal halide lamps with clear tubular or coated ellipsoid outer bulb, tailor-made to replace and outperform quartz metal halide lamps on existing gear.

Warnings and Safety

- For use with control gear designed for high pressure mercury or high-pressure sodium lamps with external ignitor
- A lamp breaking is extremely unlikely to have an impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.
- Warm restart time can be up to 15 minutes; T15 ignitors therefore advised.

Product data

General Information	
Cap-Base	E40 [E40]
Operating Position	UNIVERSAL [Any or Universal (U)]
Life to 20% Failures (Nom)	12000 h
Life to 50% Failures (Nom)	20000 h
System Description	Universal
LSF 2000 h Rated	99 %
LSF 4000 h Rated	96 %
LSF 8000 h Rated	88 %
LSF 12000 h Rated	80 %
LSF 16000 h Rated	63 %
LSF 20000 h Rated	50 %

Light Technical	
Colour Code	840 [CCT of 4000K]
Luminous Flux (Min)	18900 lm
Luminous Flux (Rated) (Nom)	21000 lm
Colour Designation	Cool White (CW)
Chromaticity Coordinate X (Nom)	379
Chromaticity Coordinate Y (Nom)	380
Colour Temperature, horizontal (Nom)	4000 K
Luminous Efficacy (Rated) (Min)	84 lm/W
Luminous Efficacy (rated) (Nom)	93 lm/W
Colour Rendering Index horiz (Min)	84
Colour Rendering Index horiz (Nom)	87
Depreciation 2000 hrs	92 %
LLMF 4000 h Rated	87 %

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Depreciation 5000 hrs	84 %
LLMF 8000 h Rated	82 %
LLMF 12000 h Rated	80 %
LLMF 16000 h Rated	77 %
LLMF 20000 h Rated	75 %

Operating and Electrical

Power (Rated) (Nom)	225 W
Lamp Current Run-Up (Max)	2.2 A
Lamp Current (EM) (Nom)	2.09 A
Re-Ignition Time (Min) (Max)	900 s
Ignition Time (Max)	30 s
Voltage (Max)	133 V
Voltage (Min)	113 V
Voltage (Nom)	123 V

Controls and Dimming

Run-up Time 90% (Max)	3 min
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Mechanical and Housing

Bulb Finish	Clear
Bulb Material	Hard Glass

Approval and Application

Energy Efficiency Label	A+
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Mercury (Hg) Content (Nom)	27 mg
Energy Consumption kWh/1000 h	248 kWh

UV

Pet (Niosh) (Nom)	8 h/500lx
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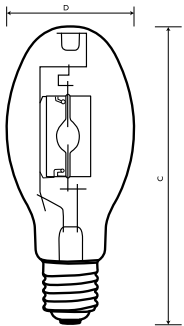
Luminaire Design Requirements

Bulb Temperature (Max)	350 °C
Cap-Base Temperature (Max)	250 °C

Product Data

Full product code	871869673479700
Order product name	MASTERCcolour MW eco MSTColour CDM-EP MW eco 230W/840 E40 CL
EAN/UPC - Product	8718696734797
Order code	73479700
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928495309891
Net Weight (Piece)	168.000 g

Dimensional drawing



CDM-EP MW Eco 230W E40

Product	D (max)	C (max)
MASTERCcolour MW eco MSTColour CDM-EP MW eco 230W/840 E40 CL	91 mm	215 mm

