



# 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.

### Product data

General Information	
Cap base	E40 [ E40]
Operating position	UNIVERSAL [ Any/Universal]
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 4,000 K]
Luminous flux (rated) (nom.)	22000 lm
Colour designation	Cool White (CW)
Chromaticity coordinate X (nom.)	379
Chromaticity coordinate Y (nom.)	380
Correlated colour temperature (nom.)	4000 K
Luminous efficacy (rated) (nom.)	97 lm/W

Color rendering index (nom.)	90
LLMF 2000 h Rated	92 %
LLMF 4000 h Rated	87 %
LLMF 6000 h Rated	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)	227 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

# MASTERCcolour CDM MW Eco

## Controls and Dimming

Run-up time 90% (max.)	3 min
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## Mechanical and Housing

Bulb finish	Clear (CL)
Bulb material	Hard Glass

## Approval and Application

Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	27 mg
Energy Consumption kWh/1000 h	250 kWh

## UV

PET (NIOSH) (nom.)	8 h/500lx
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## Luminaire Design Requirements

Bulb temperature (max.)	350 °C
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Cap base temperature (max.)	250 °C
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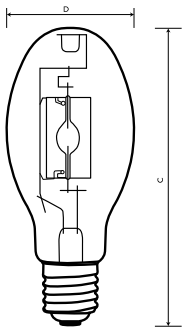
## Product Data

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 no. (12NC)	928495309891
Net weight (piece)	168.000 g

## Warnings and Safety

- For use with control gear designed for high-pressure mercury or high-pressure sodium lamps with an 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.

## 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

