



# MASTERColour CDM MW Eco

MASTERColour CDM-E MW eco 230W/842 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]
Bulb Shape	B90 [ B 90mm]
Operating Position	UNIVERSAL [ Any or Universal (U)]
Life To 5% Failures (Nom)	6000 h
Life To 10% Failures (Nom)	8000 h
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	98 %
LSF 6000 h Rated	95 %
LSF 8000 h Rated	90 %
LSF 12000 h Rated	80 %
LSF 16000 h Rated	65 %
LSF 20000 h Rated	50 %

### • Light Technical

Color Code	842 [ CCT of 4200K]
Luminous Flux (Rated) (Nom)	21140 lm
Color Designation	Cool White (CW)
Chromaticity Coordinate X (Nom)	366
Chromaticity Coordinate Y (Nom)	351
Correlated Color Temperature (Nom)	4200 K
Luminous Efficacy (rated) (Nom)	93 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)	228.0 W
Lamp Current Run-Up (Max)	2.3 A
Lamp Current (EM) (Nom)	2.26 A
Ignition Supply Voltage (Max)	198 V
Ignition Peak Voltage (Max)	5000 V
Re-Ignition Time (Min) (Max)	900 s
Ignition Time (Max)	30 s
Voltage (Max)	126 V
Voltage (Min)	110 V
Voltage (Nom)	118 V

### • Controls and Dimming

Dimmable	No
Run-Up Time 90% (Max)	3 min

### • Mechanical and Housing

Bulb Finish	Coated glass
Bulb Material	Hard Glass

**PHILIPS**

## • Approval and Application

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	32.0 mg
Energy Consumption kWh/1000 h	251 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

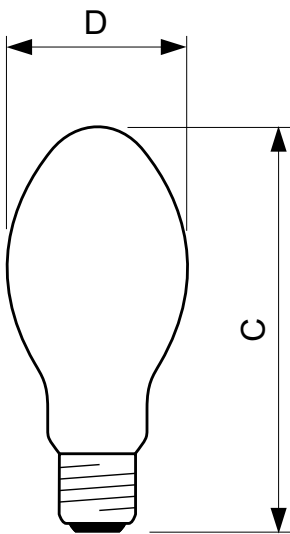
Full product code	871869659664700
Order product name	MASTERColour CDM-E MW eco 230W/842 E40
EAN/UPC - Product	8718696596647
Order code	928070419830
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928070419830
Net Weight (Piece)	158.000 g

## Warnings and Safety

- Use only in a totally enclosed luminaire, even during testing (IEC61167, IEC62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- 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.

## Dimensional drawing

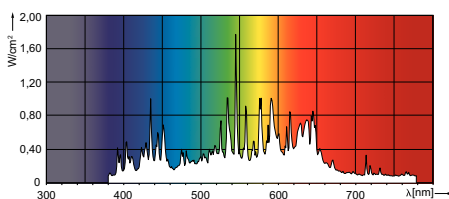


CDM-E MW eco

## CDM-E MW eco 230W/842 E40

Product	D	C
MASTERColour CDM-E MW eco 230W/842 E40	91 mm	226 mm

## Photometric data





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data subject to change