PHILIPS Lighting



G A G

MASTERColour CDM MW Eco

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

Ceramic metal halide lamps with clear tubular or coated ellipsoid outer bulb, tailormade 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 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.

Product data

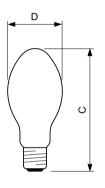
General Information		Colour rendering index (CRI)	89
Cap base	E40		
Operating position	UNIVERSAL [Any or Universal (U)]	Operating and Electrical	
Flux measurement reference	Sphere	Power Consumption	228.5 W
Life to 50% failures (nom.)	30,000 h	Voltage (nom.)	117 V
		Voltage (nom.)	117 V
Light Technical			
Colour Code	842 [CCT of 4200K]	Controls and Dimming	
Luminous Flux	20,500 lm	Dimmable	No
Colour designation	Cool White (CW)		
Chromaticity Coordinate X (Nom)	0.371	Mechanical and Housing	
Chromaticity Coordinate Y (Nom)	0.366	Lamp Finish	Coated glass
Correlated Colour Temperature	4200 K	Bulb material	Hard Glass
Luminous efficacy (rated) (nom.)	90 lm/W		

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Bulb shape	B90 [B 90 mm]	
Approval and Application		
Energy Efficiency Class	G	
Mercury (Hg) content (max.)	32 mg	
Mercury (Hg) content (nom.)	32.0 mg	
Energy consumption kWh/1,000 hours 229 kWh		
EPREL registration number	473318	
Product Data		
Order product name	MASTERColour CDM-E MW eco 230W/842 E40	

Full product name	MASTERColour MW eco MASTERColour CDM-E	
	MW eco 230W/842 E40	
Full EOC	871869659664700	
Order code	59664700	
Material no. (12 NC)	928070419830	
SAP numerator – quantity per pack	1	
EAN/UPC — Product/Case	8718696596647	
Numerator – packs per outer box	12	
EAN/UPC - Case	8718696596654	

Dimensional drawing



Photometric data

150°

(cd/1000lm)

120°

90°

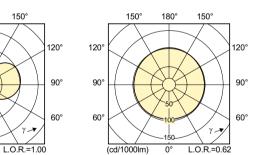
60°

180°

5

150

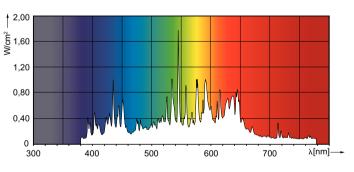
0°



Light Distribution Diagram - MASTERColour CDM-E MW eco 230W/842 E40

 Product
 D (max)
 C (max)

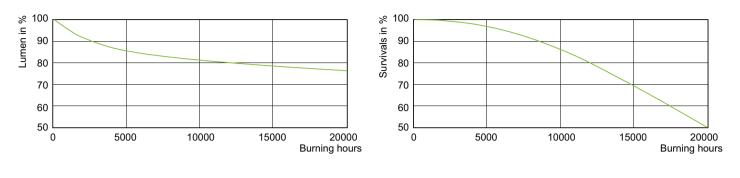
 MASTERColour CDM-E MW eco 230W/842 E40
 91 mm
 226 mm



Spectral Power Distribution Colour - MASTERColour CDM-E MW eco 230W/842 E40

MASTERColour CDM MW Eco

Lifetime



Lumen Maintenance Diagram - MASTERColour CDM-E MW eco 230W/842 E40 Life Expectancy Diagram - MASTERColour CDM-E MW eco 230W/842 E40



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