PHILIPS

MASTERColour CDM MW Eco

2365308



Direct retrofit with immediate energy savings for quartz metal halide

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.

Benefits

- Direct retrofit for various quartz metal halide lamps, operates on existing control gear (Mercury and HPS)
- Lowest total cost of ownership when relamping due to energy savings and long service life as a result of high lumen maintenance

Applications

- Sports lighting, floodlighting of buildings and monuments, area lighting e.g. harbors and building sites, canopy lighting e.g. petrol stations
- High-bay lighting e.g. industrial workshops, exhibition halls, hypermarkets, shopping malls, DIY stores, churches, airports and train stations

Features

- Proven Philips ceramic technology (CDM) offering
- High efficacy for energy savings and more initial light

- Excellent lumen maintenance resulting in long service life
- Excellent color rendering, meeting EN1246-1
- 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.

Versions

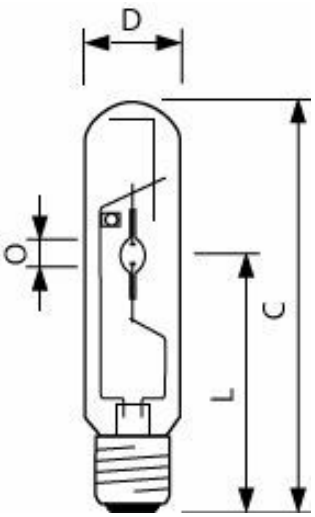


LPPR SON E40 E39

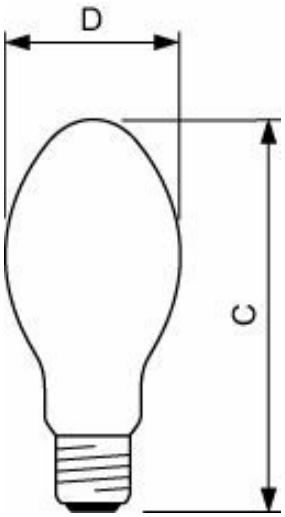


LPPR CDO-TT 0003

Dimensional drawing



Product	D	O	L	C (max)
MASTERColour CDM-T MW eco 230W/842 E40	47 mm	12.4 mm	157 mm	257 mm
MASTERColour CDM-T MW eco 360W/842 E40	47 mm	11.9 mm	161 mm	257 mm



Product	D (max)	C (max)
MASTERColour CDM-E MW eco 230W/842 E40	91 mm	226 mm
MASTERColour CDM-E MW eco 360W/842 E40	91 mm	226 mm

General Information

Cap-Base	E40

Light Technical

Color Designation	Cool White (CW)
Chromaticity Coordinate X (Nom)	0.371
Chromaticity Coordinate Y (Nom)	0.366
Correlated Color Temperature (Nom)	4200 K

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Material	Hard Glass

General Information

Order Code	Full Product Name	Operating Position
928070219830	MASTERColour CDM-E MW eco 360W/842 E40	UNIVERSAL
928070419830	MASTERColour CDM-E MW eco 230W/842 E40	UNIVERSAL
928070119230	MASTERColour CDM-T MW eco 230W/842 E40	UNIVERSAL
928070319230	MASTERColour CDM-T MW eco 360W/842 E40	P45

Light Technical

Order Code	Full Product Name	Luminous Flux	Luminous Efficacy (rated) (Nom)	Color rendering index (CRI)
928070219830	MASTERColour CDM-E MW eco 360W/842 E40	32,400 lm	90 lm/W	88
928070419830	MASTERColour CDM-E MW eco 230W/842 E40	20,500 lm	90 lm/W	89
928070119230	MASTERColour CDM-T MW eco 230W/842 E40	21,400 lm	94 lm/W	88
928070319230	MASTERColour CDM-T MW eco 360W/842 E40	35,400 lm	98.06 lm/W	88

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Voltage (Nom)
928070219830	MASTERColour CDM-E MW eco 360W/842 E40	360.0 W	118 V
928070419830	MASTERColour CDM-E MW eco 230W/842 E40	228.5 W	117 V
928070119230	MASTERColour CDM-T MW eco 230W/842 E40	227.0 W	127 V
928070319230	MASTERColour CDM-T MW eco 360W/842 E40	361.0 W	123 V

Mechanical and Housing

Order Code	Full Product Name	Bulb Finish	Bulb Shape
928070219830	MASTERColour CDM-E MW eco 360W/842 E40	Coated glass	B90
928070419830	MASTERColour CDM-E MW eco 230W/842 E40	Coated glass	B90
928070119230	MASTERColour CDM-T MW eco 230W/842 E40	Clear	T46
928070319230	MASTERColour CDM-T MW eco 360W/842 E40	Clear	T46

Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)	Energy Consumption kWh/ 1000 h
928070219830	MASTERColour CDM-E MW eco 360W/842 E40	48 mg	48.0 mg	360 kWh
928070419830	MASTERColour CDM-E MW eco 230W/842 E40	32 mg	32.0 mg	229 kWh
928070119230	MASTERColour CDM-T MW eco 230W/842 E40	32 mg	32.0 mg	227 kWh
928070319230	MASTERColour CDM-T MW eco 360W/842 E40	48 mg	48.0 mg	361 kWh

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