



# Direct retrofit with immediate energy savings for quartz metal halide

## MASTERColour CDM MW Eco

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

### 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 colour rendering, meeting EN1246-1

### Application

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

# MASTERColour CDM MW Eco

## Warnings and Safety

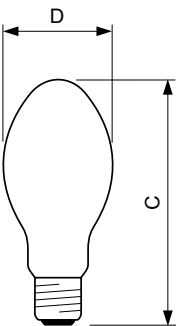
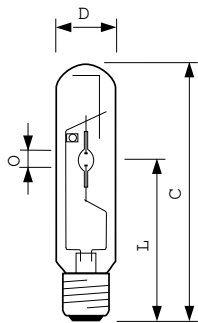
- For use with control gear designed for high-pressure mercury or high-pressure sodium lamps with an external ignitor
- A lamp breaking is extremely unlikely to have an impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in 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.

## Versions



LPPR SON E40 E39

## 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

# MASTERColour CDM MW Eco

General Information	
Cap base	E40
Light Technical	
Chromaticity Coordinate X (Nom)	0.371
Chromaticity Coordinate Y (Nom)	0.366
Colour designation	Cool White (CW)
Correlated Colour 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

Order Code	Full Product Name	Operating position
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	Colour rendering index (CRI)	Luminous efficacy (rated) (nom.)	Luminous Flux
928070219830	MASTERColour CDM-E MW eco 360W/842 E40	88	90 lm/W	32,400 lm
928070419830	MASTERColour CDM-E MW eco 230W/842 E40	89	90 lm/W	20,500 lm

Order Code	Full Product Name	Colour rendering index (CRI)	Luminous efficacy (rated) (nom.)	Luminous Flux
928070119230	MASTERColour CDM-T MW eco 230W/842 E40	88	94 lm/W	21,400 lm
928070319230	MASTERColour CDM-T MW eco 360W/842 E40	88	98.06 lm/W	35,400 lm

## Operating and Electrical

Order Code	Full Product Name	Voltage (nom.)	Power Consumption
928070219830	MASTERColour CDM-E MW eco 360W/842 E40	118 V	360.0 W
928070419830	MASTERColour CDM-E MW eco 230W/842 E40	117 V	228.5 W

Order Code	Full Product Name	Voltage (nom.)	Power Consumption
928070119230	MASTERColour CDM-T MW eco 230W/842 E40	127 V	227.0 W
928070319230	MASTERColour CDM-T MW eco 360W/842 E40	123 V	361.0 W

## Mechanical and Housing

Order Code	Full Product Name	Lamp 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

Order Code	Full Product Name	Lamp Finish	Bulb shape
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

# MASTERColour CDM MW Eco

Order Code	Full Product Name	Energy consumption kWh/1,000 hours	Mercury (Hg) content (max.)	Mercury (Hg) content (nom.)
928070219830	MASTERColour CDM-E MW eco 360W/842 E40	360 kWh	48 mg	48.0 mg
928070419830	MASTERColour CDM-E MW eco 230W/842 E40	229 kWh	32 mg	32.0 mg
928070119230	MASTERColour CDM-T MW eco 230W/842 E40	227 kWh	32 mg	32.0 mg
928070319230	MASTERColour CDM-T MW eco 360W/842 E40	361 kWh	48 mg	48.0 mg

