



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

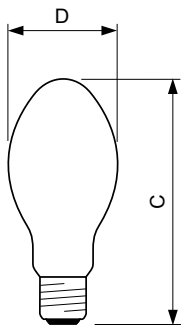
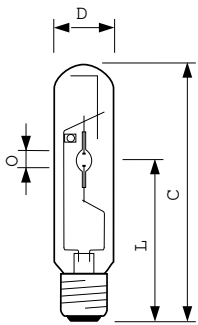
- Sports lighting, floodlighting of buildings and monuments, area lighting e.g. harbours and building sites, canopy lighting e.g. petrol stations
- High-bay lighting e.g. industrial workshops, exhibition halls, hypermarkets, shopping centres, DIY outlets, churches, airports and train stations

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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



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

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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

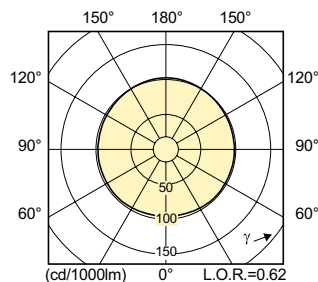
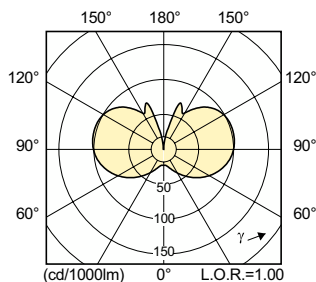
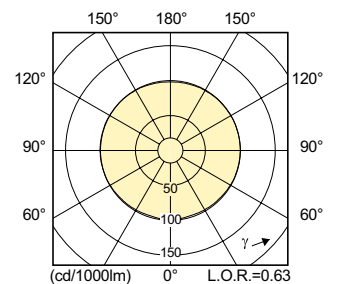
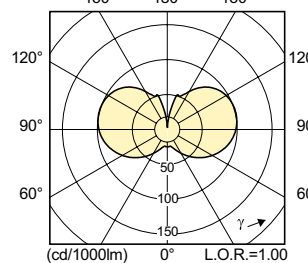
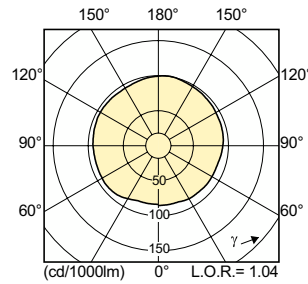
Mechanical and Housing

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

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



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