

MASTERCcolour CDM

MASTERCcolour CDM-EP



MHC P E27 ED17 CL



MHC P E27 ED17 CO

Product Description

- Range of protected, high-efficiency long life ceramic metal halide lamps with a stable color over lifetime and a crisp, sparkling light to be used in open fixtures.

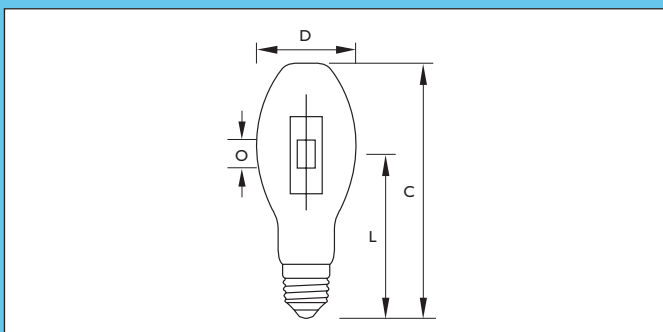
Features Benefits

- Excellent color rendering(Ra 90).
- Superior color stability over life within +/- 200K.
- Lamp to lamp color consistency over life.
- Higher lumen maintenance than standard metal halide.
- Pleasant cool white light (Tc=4000K)
- High lamp efficacy (up to 93 lumens per watt) for energy saving and low heat.
- Universal operating position; suitable for open fixtures.
- Fade Block for reduced fading risks.
- No shut off required in 24-hour-a-day/7-day-a-week operations (relamp fixtures at or before the end of rated life).
- Long lamp life compared to quartz metal halide lamps.
- UV-filter outerbulb
- Direct retrofit MH-NaSc low wattage

Applications

- Indoor-medium bay down light for industrial, public space and shop lighting

Dimensions in mm



	Overall length	Diameter	Light center length	Arc length
Product ID	C max.	D max.	L nom.	O nom.
70W	141	55	89.0	6
100W	141	55	89.0	9
150W	141	55	89.0	8

Preferred selection

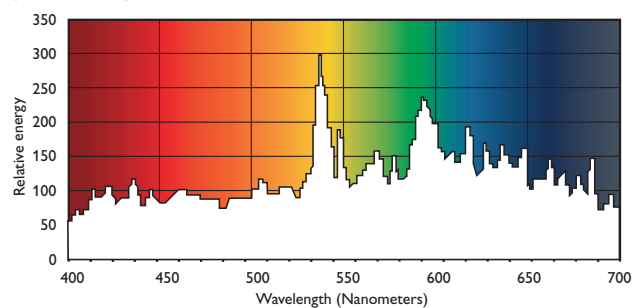
Product ID	Rated Lamp Wattage (W)	Lamp Voltage (V)	Lamp Current (A)	Cap Base	Color Temperature (K)	Color Rendering Index (R _a)	Chromaticity Coordinate X
MASTERCcolour CDM 70W/940 E27 P CL	70	90	0.98	E27	4000	92	380
MASTERCcolour CDM 70W/940 E27 P CO	70	90	0.98	E27	4000	92	385
MASTERCcolour CDM 100W/940 E27 CL	100	104	1.2	E27	4000	92	376
MASTERCcolour CDM 100W/940 E27 P CO	100	104	1.2	E27	4000	92	383
MASTERCcolour CDM 150W/940 E27 P CL	150	95	1.8	E27	4000	92	372
MASTERCcolour CDM 150W/940 E27 P CO	150	95	1.8	E27	4000	92	388

Product ID	Chromaticity Coordinate Y	Bulb Finish	Luminous Flux Lamp EM/CuFe (lm)	Operating Position	Ignition Supply Voltage min. (V)	Ignition Time (sec)
MASTERCcolour CDM 70W/940 E27 P CL	375	Clear	5600	ANY	198	120
MASTERCcolour CDM 70W/940 E27 P CO	375	Coated	5100	ANY	198	120
MASTERCcolour CDM 100W/940 E27 CL	371	Clear	8200	ANY	198	120
MASTERCcolour CDM 100W/940 E27 P CO	373	Coated	7500	ANY	198	120
MASTERCcolour CDM 150W/940 E27 P CL	367	Clear	12000	ANY	198	120
MASTERCcolour CDM 150W/940 E27 P CO	374	Coated	11000	ANY	198	120

Product ID	Re-ignition Time (min)	Run-up Time 90% max. (min)	Cap-Base Temperature (C)	Bulb Temperature (C)	Nett Weight Product In Grams (gr)
MASTERCcolour CDM 70W/940 E27 P CL	15	3	190	400	68
MASTERCcolour CDM 70W/940 E27 P CO	15	3	190	400	68
MASTERCcolour CDM 100W/940 E27 CL	15	3	190	400	70
MASTERCcolour CDM 100W/940 E27 P CO	15	3	190	400	70
MASTERCcolour CDM 150W/940 E27 P CL	15	3	190	400	70
MASTERCcolour CDM 150W/940 E27 P CO	15	3	190	400	70

Spectral power distribution

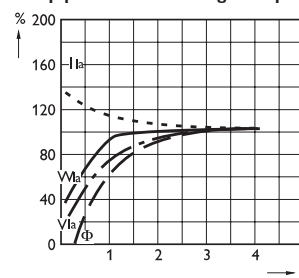
CDM-EP /940 CL



Performance diagrams

MASTERCcolour CDM-EP /940 normal white

Lamp performance during run up



I_{la} = Lamp current
 Φ = Luminous Flux
 V_{la} = Lamp Voltage
 W_{la} = Lamp Wattage

Effects of mains voltage variations

