



# Superb efficiency, excellent light quality

## MASTERColour CDM-BU

Ceramic metal-halide lamps with opalized outer bulb, providing quality light and low energy consumption.

### Benefits

- High efficacy with over 100 lumen per wattage
- Energy-saving comparing with HPI lamps
- High lighting color quality: CRI over 90 and good consistency

### Features

- Ovoid outer bulb, internal white coating
- CDM technology ensures higher efficacy and better color rendering

### Application

- High-bay lighting, e.g. industrial workshops, exhibition halls, hypermarkets, shopping malls, DIY stores, churches, airports and train stations

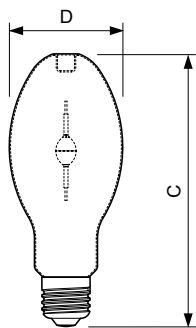
# MASTERColour CDM-BU

## Versions



E40 ED90

## Dimensional drawing



Product	D (max)	C (max)
MASTERColour CDM-BU 210W/942 E40 1CT/12	91 mm	226 mm
MASTERColour CDM-BU 315W/942 E40 1CT/12	91 mm	226 mm

MASTERColour CDM-BU

Approval and Application	
Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	23 mg
Controls and Dimming	
Dimmable	No
Operating and Electrical	
Re-Ignition Time (Min) (Max)	900 s
General Information	
Cap-Base	E40
Life To 10% Failures (Nom)	8500 h
Life To 20% Failures (Nom)	13000 h
Life To 50% Failures (Nom)	20000 h
Life To 5% Failures (Nom)	6000 h
Operating Position	H45
Luminaire Design Requirements	
Bulb Temperature (Max)	500 °C
Light Technical	
Color Code	942
Color Designation	Cool White (CW)
Color Rendering Index (Nom)	90
Luminous Efficacy (rated) (Nom)	102 lm/W
Mechanical and Housing	
Bulb Finish	Coated glass
Bulb Shape	ED90

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
928489800191	MASTERColour CDM-BU 210W/942 E40 1CT/12	231 kWh
928489900191	MASTERColour CDM-BU 315W/942 E40 1CT/12	346 kWh

Operating and Electrical (1/2)

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928489800191	MASTERColour CDM-BU 210W/942 E40 1CT/12	2.45 A	115 V	85 V	100 V

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928489900191	MASTERColour CDM-BU 315W/942 E40 1CT/12	3.75 A	112 V	82 V	97 V

Operating and Electrical (2/2)

Order Code	Full Product Name	Power (Rated) (Nom)
928489800191	MASTERColour CDM-BU 210W/942 E40 1CT/12	210.0 W

Order Code	Full Product Name	Power (Rated) (Nom)
928489900191	MASTERColour CDM-BU 315W/942 E40 1CT/12	315.0 W

Light Technical

Order Code	Full Product Name	Chromaticity	Chromaticity	Correlated	Luminous
		Coordinate X	Coordinate Y	Color Temperature	Flux (Rated)
		(Nom)	(Nom)	(Nom)	(Nom)
928489800191	MASTERColour CDM-BU	377	371	4100 K	20000 lm

Order Code	Full Product Name	Chromaticity	Chromaticity	Correlated	Luminous
		Coordinate X	Coordinate Y	Color Temperature	Flux (Rated)
		(Nom)	(Nom)	(Nom)	(Nom)
	210W/942 E40 1CT/12				

MASTERColour CDM-BU

Order Code	Full Product Name	Chromaticity	Chromaticity	Correlated	Luminous
		Coordinate X	Coordinate Y	Color	Flux
		(Nom)	(Nom)	Temperature	(Rated)
928489900191	MASTERColour CDM-BU	368	372	4300 K	32500 lm

Order Code	Full Product Name	Chromaticity	Chromaticity	Correlated	Luminous
		Coordinate X	Coordinate Y	Color	Flux
		(Nom)	(Nom)	Temperature	(Rated)
	315W/942 E40				
	1CT/12				

