



Product Description

MASTERColour CDM-R111

The MASTERColour CDM-R111 combines the trendy look of the 111mm aluminium reflector halogen lamps with the long life, high energy efficiency and crisp white light of MASTERColour CDM

Benefits

- Low operating costs
- Easy installation
- Relatively low heat output
- Less glare, comfort for shoppers and staff
- Reduced fading risks

Features

- High lamp efficacy
- Long lamp life time compared to incandescent and halogen lamps
- The ceramic discharge tube is optimally and stable positioned in the reflector
- Twist & Lock system
- UV-Block burner capsule
- Anti-glare cap design

Application

- Accent and decorative lighting: display lighting with sparkling, theatrical effects, even in surroundings with very high background ambient light levels like shops windows
- General lighting: in downlighters, a warm, comfortable atmosphere can be created

Warnings and Safety

- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- Use only with electronic control gear. 35W/830 lamps may also use electromagnetic gear.
- A lamp breaking is extremely unlikely to have any 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.

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Versions



Dimensional drawing

D

Product	D (max)	C (max)
MASTERColour CDM-R111 70W/942 GX8.5 24D 1CT/6	111 mm	95 mm
MASTERColour CDM-R111 35W/942 GX8.5 24D 1CT	111 mm	95 mm

Controls and Dimming

Dimmable No

Operating and Electrical

Re-ignition Time (Min) (Max) 15 min

Warm Up Time To 60% Light (Nom) 120 s

General Information

Cap-Base GX8.5

Operating Position UNIVERSAL

Light Technical

Beam Angle (Nom) 24 °

Beam Description Narrow Flood

Chromaticity Coordinate X (Nom) 0.371

Chromaticity Coordinate Y (Nom) 0.366

Colour Code 942

Colour Designation Cool White (CW)

Correlated Colour Temperature (Nom) 4200 K

Mechanical and Housing

Bulb Finish Reflector

Bulb Shape R111

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
21387710	CDM-R111 35W/942 24D.1CT/6	40 kWh	2.8 mg	3.0 mg
21393810	MASTERColour CDM-R111 70W/942 GX8.5 24D 1CT/6	74 kWh	6.6 mg	6.3 mg

Operating and Electrical

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Order Code	Full Product Name	Voltage	Voltage	Voltage	Power
		(Max)	(Min)	(Nom)	(Rated)
21387710	CDM-R111 35W/942 24D.1CT/6	94 V	78 V	86 V	39.1 W
21393810	MASTERCoulour CDM-R111 70W/942 GX8.5 24D 1CT/6	114 V	79 V	92 V	73.2 W

General Information (1/2)

Order Code	Full Product Name	Life To		Life To	
		Life To 10% Failures (Nom)	20% Failures (Nom)	50% Failures (Nom)	Life To 5% Failures (Nom)
21387710	CDM-R111 35W/942 24D.1CT/6	6500 h	7000 h	9000 h	6000 h
21393810	MASTERCoulour CDM-R111 70W/942 GX8.5 24D 1CT/6	8500 h	9500 h	11000 h	7500 h

General Information (2/2)

Order Code	Full Product Name	Switching Cycle
21387710	CDM-R111 35W/942 24D.1CT/6	800X

Order Code	Full Product Name	Switching Cycle
21393810	MASTERCoulour CDM-R111 70W/942 GX8.5 24D 1CT/6	1,000X

Light Technical (1/2)

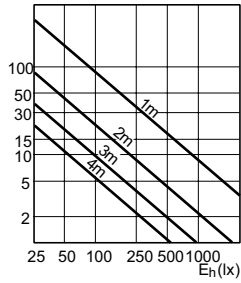
Order Code	Full Product Name	Colour Rendering Index (Nom)	Llmf At End Of Nominal Lifetime (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated)
		21387710	CDM-R111 35W/942 24D.1CT/6	93	65 %
21393810	MASTERCoulour CDM-R111 70W/942 GX8.5 24D 1CT/6	96	60 %	2800 lm	2850 lm

Light Technical (2/2)

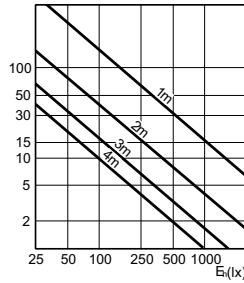
Order Code	Full Product Name	Luminous Intensity (Min)	Luminous Intensity (Nom)
21387710	CDM-R111 35W/942 24D.1CT/6	5700 cd	7350 cd
21393810	MASTERCoulour CDM-R111 70W/942 GX8.5 24D 1CT/6	11000 cd	14300 cd

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Accent Diagrams



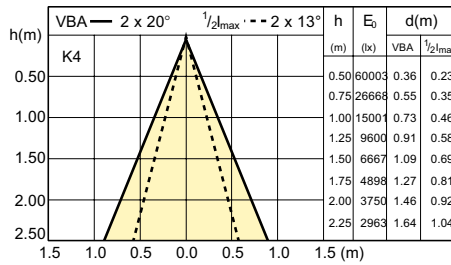
LDAC_CDM-R111_35W_24D-Accent diagram



LDAC_CDM-R111_70W_942_24D-Accent diagram

Beam Diagrams

VBA — 2 x 24° 1/2 I_{max} — 2 x 11° h | E₀ | d(m)



LDDBE_CDM-R111_35W_24D-Beam diagram

LDDBE_CDM-R111_70W_942_24D-Beam diagram

