



# 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.

# MASTERCcolour CDM-R111

## Versions



## Dimensional drawing

D

Product	D (max)	C (max)
MASTERColour CDM-R111 35W/942 GX8.5 24D 1CT	111 mm	95 mm
MASTERColour CDM-R111 35W/942 GX8.5 40D 1CT/6	111 mm	95 mm
MASTERColour CDM-R111 70W/942 GX8.5 24D 1CT/6	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

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)
928096505330	MASTERColour CDM-R111 35W/942 GX8.5 24D 1CT	40 kWh	2.8 mg	3.0 mg
928096605330	MASTERColour CDM-R111 35W/942 GX8.5 40D 1CT/6	43 kWh	-	3.0 mg
928096905330	MASTERColour CDM-R111 70W/942 GX8.5 24D 1CT/6	74 kWh	6.6 mg	6.3 mg

## Operating and Electrical

## MASTERCcolour CDM-R111

Order Code	Full Product Name	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Nom)
928096505330	MASTERCcolour CDM-R111 35W/942 GX8.5 24D 1CT	94 V	78 V	86 V	39.1 W
928096605330	MASTERCcolour CDM-R111 35W/942 GX8.5 40D 1CT/6	94 V	78 V	86 V	39.1 W

Order Code	Full Product Name	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Nom)
928096905330	MASTERCcolour 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 10% Failures (Nom)	Life To 20% Failures (Nom)	Life To 50% Failures (Nom)	Life To 5% Failures (Nom)
		928096505330	MASTERCcolour CDM-R111 35W/942 GX8.5 24D 1CT	6500 h	7000 h
928096605330	MASTERCcolour CDM-R111 35W/942 GX8.5 40D 1CT/6	6500 h	7000 h	9000 h	6000 h

Order Code	Full Product Name	Life To 10% Failures (Nom)	Life To 20% Failures (Nom)	Life To 50% Failures (Nom)	Life To 5% Failures (Nom)
		928096905330	MASTERCcolour CDM-R111 70W/942 GX8.5 24D 1CT/6	8500 h	9500 h

### General Information (2/2)

Order Code	Full Product Name	Switching Cycle
928096505330	MASTERCcolour CDM-R111 35W/942 GX8.5 24D 1CT	800X
928096605330	MASTERCcolour CDM-R111 35W/942 GX8.5 40D 1CT/6	800X

Order Code	Full Product Name	Switching Cycle
928096905330	MASTERCcolour CDM-R111 70W/942 GX8.5 24D 1CT/6	1,000X

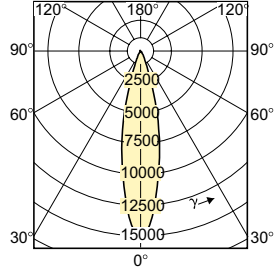
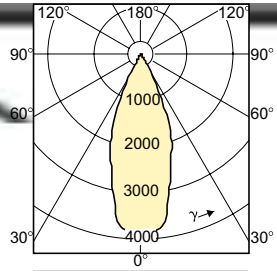
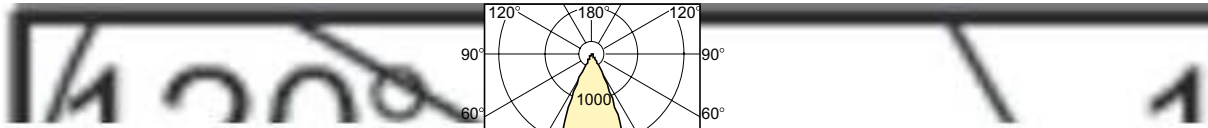
### Light Technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Beam Description	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)
		928096505330	MASTERCcolour CDM-R111 35W/942 GX8.5 24D 1CT	24 °	Narrow Flood
928096605330	MASTERCcolour CDM-R111	40 °	Flood	0.370	0.365

Order Code	Full Product Name	Beam Angle (Nom)	Beam Description	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)
		928096905330	MASTERCcolour CDM-R111 70W/942 GX8.5 24D 1CT/6	24 °	Narrow Flood

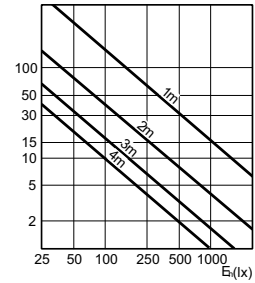
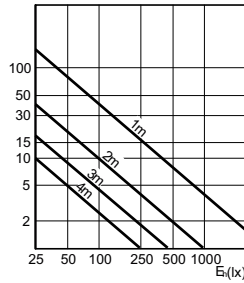
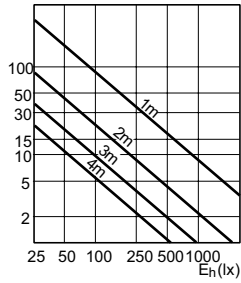
### Light Technical (2/2)

Order Code	Full Product Name	Colour Rendering Index (Nom)	Limf At End Of Nominal Lifetime (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)	Luminous Intensity (Min)	Luminous Intensity (Nom)
		928096505330	MASTERCcolour CDM-R111 35W/942 GX8.5 24D 1CT	93	65 %	1300 lm	1350 lm
928096605330	MASTERCcolour CDM-R111 35W/942 GX8.5 40D 1CT/6	93	65 %	-	1350 lm	3000 cd	3450 cd
928096905330	MASTERCcolour CDM-R111 70W/942 GX8.5 24D 1CT/6	96	60 %	2800 lm	2850 lm	11000 cd	14300 cd



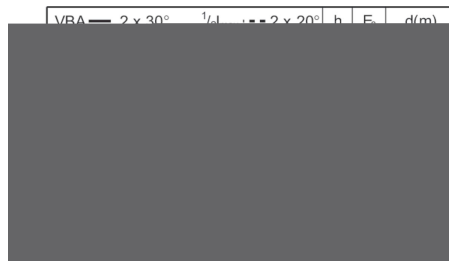
# MASTERColour CDM-R111

## Accent Diagrams

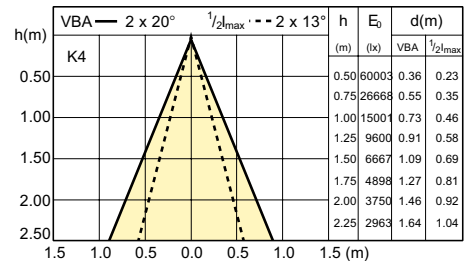


## Beam Diagrams

VBA — 2 x 24° 1/2max — 2 x 11° h E<sub>0</sub> d(m)



LDAC\_CDM-R111\_35W\_40D-Beam diagram



LDAC\_CDM-R111\_70W\_942\_24D-Beam diagram

