



# Perfect sparkle, trendy design

## MasterColor CDM-R111 Elite

MasterColor CDM-R111 Elite combines the trendy look of 111 mm aluminum-reflector halogen lamps with the long life, high energy efficiency and crisp white light of MasterColor CDM.

### Benefits

- Crisp white sparkling light
- Easy installation
- Less glare, comfort for shoppers and staff

### Features

- High lamp efficacy
- Long lamp lifetime compared to incandescent and halogen lamps
- The ceramic discharge tube is optimally positioned and stable in the reflector
- 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, such as shops windows
- General lighting: in downlighters, a warm and comfortable atmosphere can be created

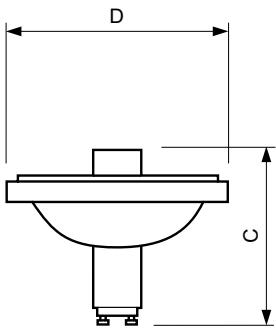
# MasterColor CDM-R111 Elite

## Versions



CDM-R111 Elite GX8.5

## Dimensional drawing



| Product                                      | D (max) | C (max) |
|--|---------|---------|
| MASTERColor CDM-R111 Elite 35W/930 GX8.5 24D | 111 mm  | 95 mm   |
| MASTERColor CDM-R111 Elite 35W/930 GX8.5 10D | 111 mm  | 95 mm   |
| MASTERColor CDM-R111 Elite 70W/930 GX8.5 24D | 111 mm  | 95 mm   |

# MasterColor CDM-R111 Elite

## Controls and Dimming

|          |    |
|----------|----|
| Dimmable | No |
|----------|----|

## Operating and Electrical

|                                 |        |
|---------------------------------|--------|
| Voltage (Nom)                   | 89 V   |
| Re-Ignition Time (Min) (Max)    | 15 min |
| Warm Up Time To 60% Light (Nom) | 120 s  |

## General Information

|                            |           |
|----------------------------|-----------|
| Cap-Base                   | GX8.5     |
| Life To 20% Failures (Nom) | 10500 h   |
| Life To 50% Failures (Nom) | 12000 h   |
| Life To 5% Failures (Nom)  | 8000 h    |
| Operating Position         | UNIVERSAL |
| Switching Cycle            | 1050X     |

## Light Technical

|                                       |                 |
|---------------------------------------|-----------------|
| Color Code                            | 930             |
| Color Designation                     | Warm White (WW) |
| Correlated Color Temperature (Nom)    | 3000 K          |
| Llmf At End Of Nominal Lifetime (Nom) | 70 %            |
| Lumen Maintenance 12000 h (Nom)       | 70 %            |
| Lumen Maintenance 2000 h (Nom)        | 90 %            |
| Lumen Maintenance 4000 h (Nom)        | 85 %            |

## Mechanical and Housing

|             |           |
|-------------|-----------|
| Bulb Finish | Reflector |
| Bulb Shape  | R111      |

## Approval and Application

| Order Code   | Full Product Name                               | Energy Consumption<br>kWh/1000 h | Energy                    |                               |
|--------------|---|----------------------------------|---------------------------|-------------------------------|
|              |   |                                  | Efficiency<br>Label (EEL) | Mercury (Hg)<br>Content (Nom) |
| 928195305306 | MASTERColor CDM-R111 Elite<br>35W/930 GX8.5 10D | 43 kWh                           | B                         | 4.7 mg                        |
| 928195405306 | MASTERColor CDM-R111 Elite<br>35W/930 GX8.5 24D | 43 kWh                           | A                         | 4.7 mg                        |
| 928195705306 | MASTERColor CDM-R111 Elite<br>70W/930 GX8.5 24D | 80 kWh                           | A                         | 6.6 mg                        |

## Operating and Electrical

| Order Code   | Full Product Name                            | Lamp                     |                  |                  |                           |
|--------------|--|--------------------------|------------------|------------------|---------------------------|
|              |  | Current<br>(EM)<br>(Nom) | Voltage<br>(Max) | Voltage<br>(Min) | Power<br>(Rated)<br>(Nom) |
| 928195305306 | MASTERColor CDM-R111 Elite 35W/930 GX8.5 10D | 0.440 A                  | 97 V             | 81 V             | 39 W                      |
| 928195405306 | MASTERColor CDM-R111 Elite 35W/930 GX8.5 24D | 0.440 A                  | 97 V             | 81 V             | 39 W                      |

| Order Code   | Full Product Name                            | Lamp                     |                  |                  |                           |
|--------------|--|--------------------------|------------------|------------------|---------------------------|
|              |  | Current<br>(EM)<br>(Nom) | Voltage<br>(Max) | Voltage<br>(Min) | Power<br>(Rated)<br>(Nom) |
| 928195705306 | MASTERColor CDM-R111 Elite 70W/930 GX8.5 24D | -                        | 98 V             | 80 V             | 73.0 W                    |

## General Information

| Order Code   | Full Product Name                            | Life To 10% Failures<br>(Nom) |
|--------------|--|-------------------------------|
| 928195305306 | MASTERColor CDM-R111 Elite 35W/930 GX8.5 10D | 5500 h                        |
| 928195405306 | MASTERColor CDM-R111 Elite 35W/930 GX8.5 24D | 5500 h                        |

| Order Code   | Full Product Name                            | Life To 10% Failures<br>(Nom) |
|--------------|--|-------------------------------|
| 928195705306 | MASTERColor CDM-R111 Elite 70W/930 GX8.5 24D | 9500 h                        |

## Light Technical (1/2)

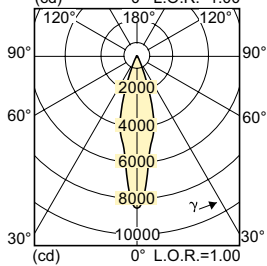
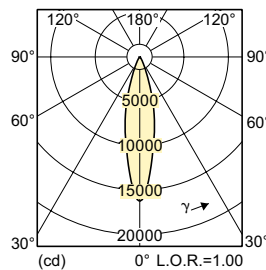
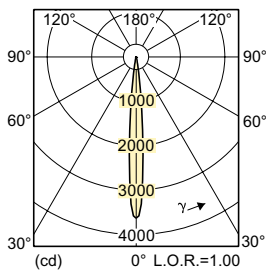
# MasterColor CDM-R111 Elite

| Order Code   | Full Product Name                            | Beam        |                  | Chromaticity       |                    |
|--------------|--|-------------|------------------|--------------------|--------------------|
|              |  | Angle (Nom) | Beam Description | Coordinate X (Nom) | Coordinate Y (Nom) |
| 928195305306 | MASTERColor CDM-R111 Elite 35W/930 GX8.5 10D | 10 °        | Spot             | 0.432              | 0.392              |
| 928195405306 | MASTERColor CDM-R111 Elite 35W/930 GX8.5 24D | 24 °        | Narrow Flood     | 0.432              | 0.392              |

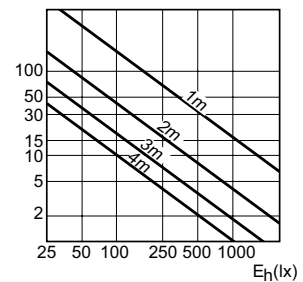
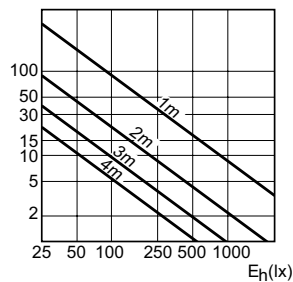
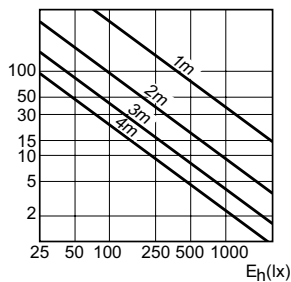
| Order Code   | Full Product Name                            | Beam        |                  | Chromaticity       |                    |
|--------------|--|-------------|------------------|--------------------|--------------------|
|              |  | Angle (Nom) | Beam Description | Coordinate X (Nom) | Coordinate Y (Nom) |
| 928195305306 | MASTERColor CDM-R111 Elite 35W/930 GX8.5 24D | 24 °        | Narrow Flood     | 0.441              | 0.397              |
| 928195705306 | MASTERColor CDM-R111 Elite 70W/930 GX8.5 24D | 24 °        | Narrow Flood     | 0.441              | 0.397              |

## Light Technical (2/2)

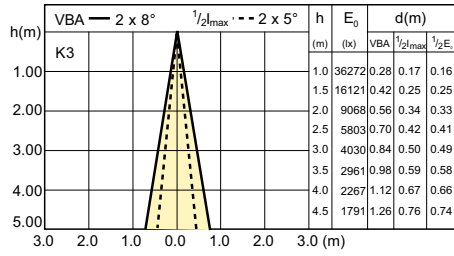
| Order Code   | Full Product Name                            | Color Rendering Index (Min) | Color Rendering Index (Nom) | Luminous Efficacy (rated) (Nom) | Design Mean Lumens | Luminous Intensity (Min) | Luminous Intensity (Nom) |
|--------------|--|-----------------------------|-----------------------------|---------------------------------|--------------------|--------------------------|--------------------------|
| 928195305306 | MASTERColor CDM-R111 Elite 35W/930 GX8.5 10D | 87                          | 90                          | 37 lm/W                         | 1200 lm            | 27000 cd                 | 36000 cd                 |
| 928195405306 | MASTERColor CDM-R111 Elite 35W/930 GX8.5 24D | 87                          | 90                          | 46 lm/W                         | 1500 lm            | 6500 cd                  | 8500 cd                  |
| 928195705306 | MASTERColor CDM-R111 Elite 70W/930 GX8.5 24D | 89                          | 92                          | 50 lm/W                         | 3100 lm            | 12000 cd                 | 16000 cd                 |



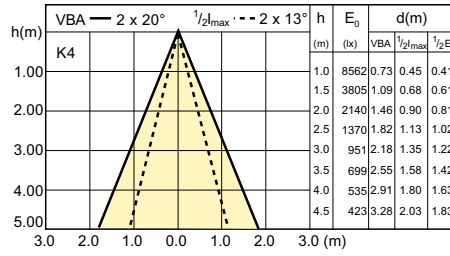
## Accent Diagrams



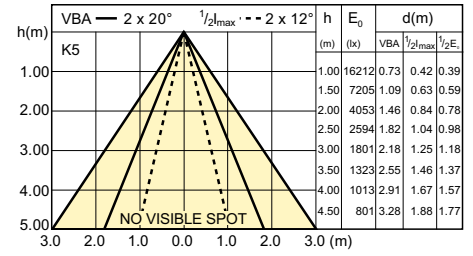
## Beam Diagrams



LDBE\_CDMR111E\_0001-Beam diagram



LDBE\_CDMR111E\_0002-Beam diagram



LDBE\_CDMR111E\_0008-Beam diagram

