PHILIPS Lighting



The next generation in retail lighting -Simply irresistable

MASTERColor CDM-Rm Elite Mini

The Elite family is at the very top of the MasterColor CDM range, and gives a unique combination of unbeatable light quality and consistent performance over lifetime, while keeping running costs low. The MasterColor DCM Elite MR16 combines the familiar compact shape of MR16 halogen lamps with the performance of ceramic metal halide MasterColor Elite lamps. Suited for accent/decorative lighting, general lighting and downlighting in retail applications; or for outdoor landscaping and architectural effects.

Benefits

- Easy to install and replace, 100% compatible with existing HID systems in markets today
- Miniaturized reflector eliminates need for optical design
- Excellent choice for today's lighting designs

Features

- Sparkling light 90 CRI with crisp white light (3000K)
- Long life- 12,000 hours rated average life*
- Lamp-to-lamp color consistency
- GX10 twist-and-lock design locks base into place
- \cdot Miniaturized
- * Rated average life is the life obtained on the average, from large reresentative groups of lamps in laboratory tests under controlled conditions at 10 or more operating hours per start. It is based on survival of at least 50% of the lamps and allows for individual lamps or groups of lamps to vary considerably from the average.

MASTERColor CDM-Rm Elite Mini

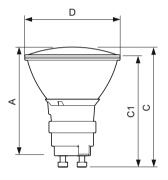
Application

• Ideal for display lighting, and accent lighting, general lighting and down lighting in retail applications; and for outdoor landscaping and architectural effects in retail and hospitality applications.

Warnings and Safety

• R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available." This lamp complies with FDA radiation performance standard 21 CFR subchapter J. (USA:21 CFR 1040.30 Canada: SOR/DORS/80-381)

Dimensional drawing



| Product | D (max) | D | C (max) | с | C1 (max) | A (max) |
|---------------------------|---------|-------|---------|----------|----------|---------|
| CDM-Rm Elite Mini 20W/830 | 51 mm | 50 mm | 65.4 mm | 62.75 mm | 60.9 mm | 59 mm |
| GX10 MR16 25D | | | | | | |
| CDM-Rm Elite Mini 35W/930 | 51 mm | 50 mm | 65.4 mm | 62.75 mm | 60.9 mm | 59 mm |
| GX10 MR16 25D | | | | | | |
| | | | | | | |

| General Information | |
|------------------------------------|--------------|
| Cap-Base | GX10 |
| Switching Cycle | 1,350 |
| Operating Position | UNIVERSAL |
| | |
| Light Technical | |
| Beam Angle (Nom) | 25 degree(s) |
| Chromaticity Coordinate X (Nom) | 0.439 |
| Chromaticity Coordinate Y (Nom) | 0.403 |
| Correlated Color Temperature (Nom) | 3000 K |
| | |
| Operating and Electrical | |
| Warm-up time to 60% light | 120 s |
| | |
| Controls and Dimming | |
| Dimmable | No |
| | |
| Mechanical and Housing | |
| Bulb Shape | MR16 |
| | |

Light Technical

| | | Color rendering | LLMF At End Of Nominal | Luminous Efficacy (rated) | Luminous |
|--------------|-------------------|--------------------|---------------------------|------------------------------|----------|
| Order Code | Full Product Name | index (CRI) | Lifetime (Nom) | (Nom) | (Nom) |
| 928191105315 | CDM-Rm Elite Mini | 84 | 70 % | 50 lm/W | 4,000 cd |
| | 20W/830 GX10 MR16 | | | | |
| | 25D | | | | |
| 928194705315 | CDM-Rm Elite Mini | 90 | 80 % | 60 lm/W | 7,600 cd |
| | 35W/930 GX10 MR16 | | | | |
| | 25D | | | | |

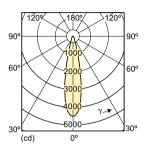
Operating and Electrical

| Order Code | Full Product Name | Voltage (Nom) | Power Consumption | Order Code | Full Product Name | Voltage (Nom) | Power Consumption |
|--------------|---------------------------|---------------|-------------------|--------------|---------------------------|---------------|-------------------|
| 928191105315 | CDM-Rm Elite Mini 20W/830 | 95 V | 20.1 W | 928194705315 | CDM-Rm Elite Mini 35W/930 | 87 V | 39.1 W |
| | GX10 MR16 25D | | | | GX10 MR16 25D | | |

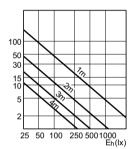
MASTERColor CDM-Rm Elite Mini

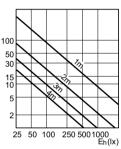
Approval and Application

| | | Energy Consumption | Mercury (Hg) | |
|--------------|---------------------------|--------------------|---------------|--|
| Order Code | Full Product Name | kWh/1000 h | Content (Nom) | |
| 928191105315 | CDM-Rm Elite Mini 20W/830 | 22 kWh | 3.5 mg | |
| | GX10 MR16 25D | | | |
| 928194705315 | CDM-Rm Elite Mini 35W/930 | 43 kWh | 4.7 mg | |
| | GX10 MR16 25D | | | |



Accent Diagrams

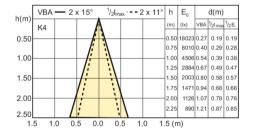




Accent Diagram - CDM-Rm Elite Mini 20W/830 GX10 MR16 25D

Accent Diagram - CDM-Rm Elite Mini 35W/930 GX10 MR16 25D

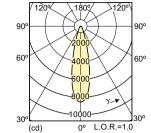
Beam Diagrams



| h(m) | ¹ / ₂ I _{max} · 2 x 13° | | | | | | h | E ₀ d(m | | | |
|---------|--------------------------------------------------------|------|------|------|------|------|------|--------------------|-----|----------------------------------------------|-------|
| 11(111) | | | | | | | (m) | (lx) | VBA | ¹ / ₂ I _{max} | 1/2E. |
| 0.50 | | | ; | i. | | | 0.50 | 34142 | | 0.22 | 0.21 |
| | | | 1 | 1 | | | 0.75 | 15174 | | 0.33 | 0.32 |
| 1.00 | | | | 1 | | | 1.00 | 8536 | | 0.45 | 0.43 |
| | | | 1 | | | | 1.25 | 5463 | | 0.56 | 0.53 |
| 1.50 | | | | | | | 1.50 | 3794 | | 0.67 | 0.64 |
| | | | 1 | | | | 1.75 | 2787 | | 0.78 | 0.75 |
| 2.00 | | | | | | | 2.00 | 2134 | | 0.89 | 0.85 |
| 2.50 | | | | | | | 2.25 | 1686 | | 1.00 | 0.96 |
| 1. | 51. | 0 0. | 5 0. | 0 0. | 5 1. | 0 1. | 5 (n | n) | | | |

Beam diagram - CDM-Rm Elite Mini 20W/830 GX10 MR16 25D

Beam diagram - CDM-Rm Elite Mini 35W/930 GX10 MR16 25D



MASTERColor CDM-Rm Elite Mini



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