



GE
Lighting

42729 - GE Multi-Vapor® Quartz Metal Halide ED28

MVR250/U

Product Photo



GENERAL CHARACTERISTICS

| | |
|---------------------------------|--------------------------|
| Base Description | Mogul Screw |
| Base Temp C-degrees (MAX) | 210 °C |
| Base Type | Screw-In |
| Bulb Temperature C-degree(MAX) | 400 °C |
| Lamp Enclosure Type (LET) | Enclosed fixtures only |
| Mercury-Picogram per mean lm hr | 229.6 |
| Rated Life Hours-nominal | 10000 h |
| Bulb Finishes and Colors | Clear |
| Mercury Content EMEA ONLY | 31 |
| Bulb Material | Hard glass |
| Product Technology | High Intensity Discharge |
| Base | E39 |
| Bulb Shape | ED28 |

PHOTOMETRIC CHARACTERISTICS

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|------------------------------|----------|
| Effective Arc Length | 1.4 in |
| Mean Lumens nominal | 13500 lm |
| Nominal Lumens per Watt | 76 lm |
| Mean Lumens [Typ] (Vertical) | 13500 lm |
| Initial Lumens-nominal | 20800 lm |
| Color Rendering Index-CRI | 65 |
| Color Temperature | 4200 K |

PRODUCT INFORMATION

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|-----------------------------|----------|
| Product Code | 42729 |
| Description | MVR250/U |
| Alternative Unit Of Measure | CASE |

DIMENSIONS

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|--------------------------------|---------|
| Diameter | 3.5 in |
| Light Center Length Millimeter | 5.0 in |
| Nominal Length | 8.25 in |

ELECTRICAL CHARACTERISTICS

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|--|----------------------------|
| Burn Position | Universal burning position |
| Open Circuit Voltage (peak lead ballast) (MIN) | 540 V |
| Open Circuit Voltage (RMS lag ballast) (MIN) | 382 V |
| Rated power (Watts) | 250 W |

CAUTIONS & WARNINGS

WARNING: This lamp can cause serious skin burn and eye inflammation from shortwave ultraviolet radiation if outer envelope of the lamp is broken or punctured, and the arc tube continues to operate. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain types of lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available. Visit the FDA website for more information: <http://www.fda.gov/cdrh/radhealth/products/urburns.html>

Caution

- Lamp may shatter and cause injury if broken
- Dispose of lamp in a closed container.
- Do not use excessive force when installing lamp.
- Do not use lamp if outer glass is scratched or broken.
- Do not stare at light source. May be harmful to the eyes. Not applicable to diffuse coated bulbs.
- Wear safety glasses and gloves when handling lamp.

Warning

- Unexpected lamp rupture may cause injury, fire, or property damage
- Do not exceed rated voltage.
- Do not turn on lamp until fully installed.
- Do not use beyond rated life. Beyond rated life, light output diminishes while energy consumption and risk of lamp rupture increases.
- Do not use lamp if outer glass is scratched or broken
- Do not use where directly exposed to water or outdoors without an enclosed fixture

Turn lamp off at least once for 15 minutes per week. FAILURE TO COMPLY INCREASES THE RISK OF RUPTURE.

Lamps with E-rated ANSI codes must be operated in enclosed fixtures, see Instructions

Do not store flammable materials near/below S-rated lamp in open fixture

Use only properly rated ballast

Operate lamp only in specified position

If used on a dimming system, see instructions.

Risk of Burn

Allow lamp to cool before handling.

Do not turn on lamp until fully installed.

A damaged lamp emits UV radiation which may cause eye/skin injury

Turn power off if glass bulb is broken. Remove and dispose of lamp.

Risk of Electric Shock

Do not use where directly exposed to water or outdoors without an enclosed fixture.

Turn power off before inspection, installation or removal.

Risk of Fire

Keep combustible materials away from lamp.

Use in fixture rated for this product.

Instructions:

LAMP OPERATING CHARACTERISTICS: This is a discharge lamp and requires some time to restart and come to full brightness after a power interruption.

RELAMP FIXTURES AT OR BEFORE THE END OF RATED LIFE. Beyond rated life, light output diminishes while energy consumption and risk of lamp rupture increases.

SPECIFIED OPERATING POSITIONS

VBU - Base up ± 15 degrees

VBD - Base down ± 15 degrees

HOR - Horizontal ± 15 degrees

U - Universal

All lamps are rated for enclosed fixtures, except lamps with S-rated ANSI codes operated in vertical position only (Base Up or Base Down), ± 15 degrees, can be used in an open fixture.

Match ANSI code of lamp to code on ballast or luminaire.

Use in luminaire which comply with UL1598 or IEC 60598. When used, fixture lens/diffuser material must be able to contain fragments of hot quartz or glass (up to 1100 Centigrade).

FOR USE ON DIMMING SYSTEMS - Contact your local GE Lighting sales representative

