GE Lighting

18904 - GE Multi-Vapor® Quartz Metal Halide ED28

MVR400/U/ED28

Product Photo

GENERAL CHARACTERISTICS

Base Description	Mogul Screw
Base Temp C-degrees (MAX)	250 °C
Base Type	Screw-In
Bulb Temperature C-degree(MAX)	400 °C
Lamp Enclosure Type (LET)	Enclosed fixtures only
Mercury-Picogrm per mean lm hr	130
Rated Life Hours-nominal	20000 h
Bulb Finishes and Colors	Clear
Mercury Content EMEA ONLY	61.11
Bulb Material	Hard glass
Product Technology	High Intensity Discharge
Base	E39
Bulb Shape	ED28

PHOTOMETRIC CHARACTERISTICS

Mean Lumens nominal	23500 lm
Nominal Lumens per Watt	83 lm
Initial Lumens-nominal	36000 lm
Color Rendering Index-CRI	65
Color Temperature	4000 K

PRODUCT INFORMATION

Product Code	18904
Description	MVR400/U/ED28
Alternative Unit Of Measure	CASE

DIMENSIONS

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

ELECTRICAL CHARACTERISTICS

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)	400 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

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.

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.

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

Risk of Burn

Allow lamp to cool before handling.

Do not turn on lamp until fully installed.

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

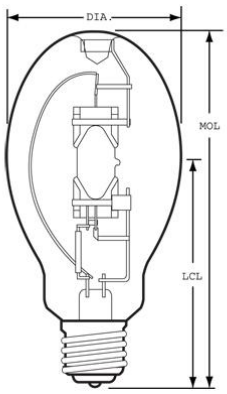
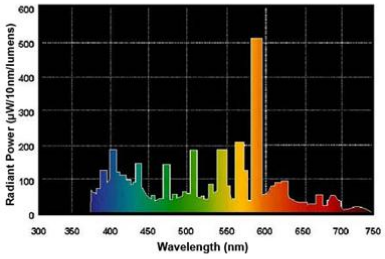
VBD - Base down ± 15 degrees

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