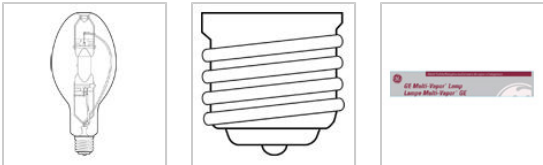
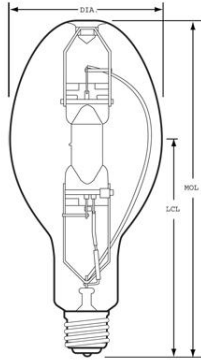




GE
Lighting

43828 - MVR400/U

GE Multi-Vapor® Quartz Metal Halide ED37



CAUTIONS & WARNINGS

R- 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 stare at light source. May be harmful to the eyes. Not applicable to diffuse coated bulbs.
 - Do not use excessive force when installing lamp.
 - Do not use lamp if outer glass is scratched or broken.
 - 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.

Warning

- 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.
- 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 lamp if outer glass is scratched or broken.
 - Do not use where directly exposed to water or outdoors without an enclosed fixture.
 - If used on a dimming system, see instructions.
 - Operate lamp only in specified position.
 - Turn lamp off at least once for 15 minutes per week. FAILURE TO COMPLY INCREASES THE RISK OF RUPTURE.
 - Use only properly rated ballast.

GRAPHS & CHARTS

Graphs_Spectral Power Distribution

GENERAL CHARACTERISTICS

Lamp Type	High Intensity Discharge - Quartz Metal Halide
Bulb	ED37
Base	Mogul Screw (E39)
Bulb Finish	Clear
Rated Life (Vert)	20000.0 h
Rated Life (Hor)	15000.0 h
Bulb Material	Hard glass
Lamp Enclosure Type (LET)	Open Fixture-Restricted Position (S-Rated)
Base Temperature (MAX)	210.0 °C
Bulb Temperature (MAX)	400.0 °C
Mercury Content (NOM)	61.11 mg
Picograms of Mercury (NOM)	130.0 pg

PHOTOMETRIC CHARACTERISTICS

Initial Lumens (Vert)	36000.0
Initial Lumens (Hor)	33100.0
Mean Lumens (Vert)	23500.0
Mean Lumens (Hor)	22100.0
Nominal Initial Lumens per Watt (NOM)	83.0 /90.0
Color Temperature (NOM)	4000.0 K
Color Rendering Index (CRI) (NOM)	65.0
Effective Arc Length (NOM)	1.2 in

ELECTRICAL CHARACTERISTICS

Wattage (NOM)	400.0
Burn Position	Universal burning position
Open Circuit Voltage (peak lead ballast) (MIN)	540.0 V
Open Circuit Voltage (RMS lag ballast) (MIN)	382.0 V
Warm Up Time to 90% (MIN)	2.0 min
Warm Up Time to 90% (MAX)	5.0 min
Hot Restart Time to 90% (MIN)	10.0 min
Hot Restart Time to 90% (MAX)	15.0 min

DIMENSIONS

Maximum Overall Length (MOL) (NOM)	11.500 in(292.1 mm)
Nominal Length (NOM)	11.500 in(292.1 mm)
Bulb Diameter (DIA) (NOM)	4.625 in(117.5 mm)
Light Center Length (LCL) (NOM)	7.000 in(177.8 mm)

PRODUCT INFORMATION

Product Code	43828
Description	MVR400/U
ANSI Code	M59
Standard Package	Case
Standard Package GTIN	10043168438282
Standard Package Quantity	6
Sales Unit	Unit
No Of Items Per Sales Unit	1
No Of Items Per Standard Package	6
UPC	043168438285

