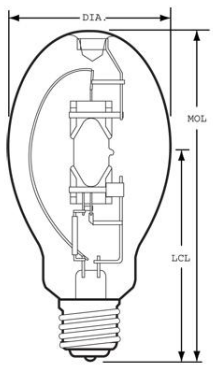
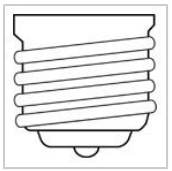
19979 - MVR400/C/U/ED28

GE Multi-Vapor® Quartz Metal Halide ED28









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 use excessive force when installing lamp.
  - Do not use lamp if outer glass is scratched or broken.

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.
  - 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.
  - Use in enclosed fixture rated for this product.
  - Use only properly rated ballast.
• 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 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.

GRAPHS & CHARTS

Graphs_Spectral Power Distribution

GENERAL CHARACTERISTICS

Lamp Type	High Intensity Discharge - Quartz Metal Halide
Bulb	ED28
Base	Mogul Screw (E39)
Bulb Finish	Coated
Rated Life (Vert)	20000.0 h
Rated Life (Hor)	15000.0 h
Bulb Material	Hard glass
Lamp Enclosure Type (LET)	Enclosed fixtures only
Mercury Content (NOM)	61.11 mg
Picograms of Mercury (NOM)	132.8 pg

PHOTOMETRIC CHARACTERISTICS

Initial Lumens (Vert)	35000.0
Initial Lumens (Hor)	32200.0
Mean Lumens (Vert)	23000.0
Mean Lumens (Hor)	19300.0
Nominal Initial Lumens per Watt (NOM)	81.0 /88.0
Color Temperature (NOM)	4000.0 K
Color Rendering Index (CRI) (NOM)	65.0

ELECTRICAL CHARACTERISTICS

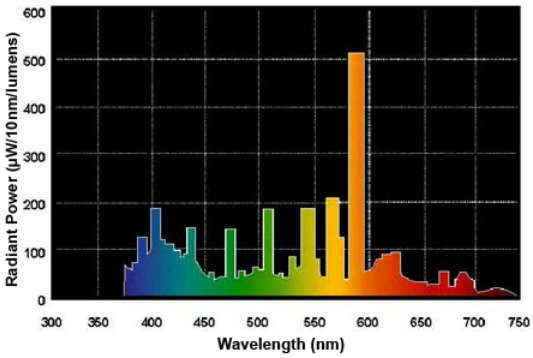
Wattage (NOM)	400.0
Burn Position	Universal burning position
Open Circuit Voltage (peak lead ballast) (MIN)	540.0 V
Open Circuit Voltage (RMS lag ballast) (MIN)	382.0 V
Warm Up Time to 90% (MIN)	2.0 min
Warm Up Time to 90% (MAX)	5.0 min

DIMENSIONS

Maximum Overall Length (MOL) (NOM)	8.250 in(209.5 mm)
Nominal Length (NOM)	8.250 in(209.5 mm)
Bulb Diameter (DIA) (NOM)	3.500 in(88.9 mm)
Light Center Length (LCL) (NOM)	5.000 in(127.0 mm)

PRODUCT INFORMATION

Product Code	19979
Description	MVR400/C/U/ED28
ANSI Code	M59
Standard Package	Case
Standard Package GTIN	10043168199794
Standard Package Quantity	12
Sales Unit	Unit
No Of Items Per Sales Unit	1
No Of Items Per Standard Package	12
UPC	043168199797


Radiant Power (µW/10nm/lumens)
600
500
400
300
200
100
0
300
350
400
450
500
550
600
650
700
750
Wavelength (nm)