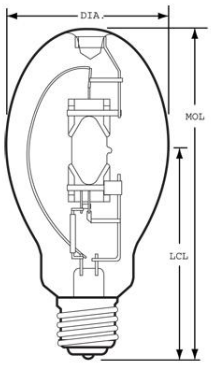
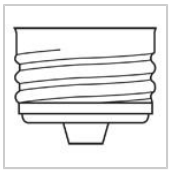
19609 - MPR320/C/PA/ED28

GE Protected Multi-Vapor® PulseArc® 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

• 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.
• Unexpected lamp rupture may cause injury, fire, or property damage
  - Do not exceed rated voltage.
  - Do not store flammable materials near/below lamp.
  - 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.
  - Use only properly rated ballast.
  - Operate lamp only in specified position - Turn lamp off at least once for 15 minutes per week.

GRAPHS & CHARTS

Graphs_Spectral Power Distribution

GENERAL CHARACTERISTICS

Lamp Type	High Intensity Discharge - Quartz Metal Halide
Bulb	ED28
Base	Mogul Screw (EX39)
Bulb Finish	Coated
Rated Life (NOM)	20000.0 h
Bulb Material	Hard glass
Lamp Enclosure Type (LET)	Open or enclosed fixtures
Base Temperature (MAX)	210.0 °C
Bulb Temperature (MAX)	400.0 °C
Mercury Content (NOM)	50.0 mg
Picograms of Mercury (NOM)	111.1 pg
Additional Info	UV control

PHOTOMETRIC CHARACTERISTICS

Initial Lumens (NOM)	30600.0
Mean Lumens (NOM)	22500.0
Nominal Initial Lumens per Watt (NOM)	95.625
Color Temperature (NOM)	3700.0 K
Color Rendering Index (CRI) (NOM)	70.0

ELECTRICAL CHARACTERISTICS

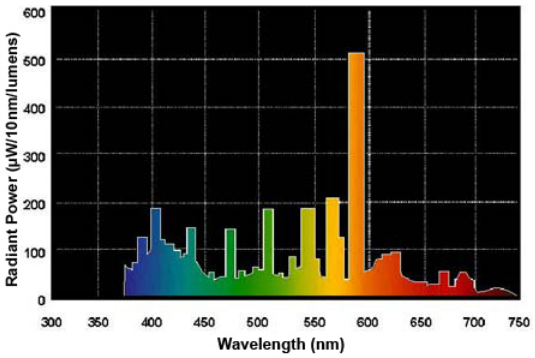
Wattage (NOM)	320.0
Burn Position	Vertical base up ±15º
Warm Up Time to 90% (MIN)	2.0 min
Warm Up Time to 90% (MAX)	5.0 min
Hot Restart Time to 90% (MIN)	10.0 min
Hot Restart Time to 90% (MAX)	15.0 min

DIMENSIONS

Maximum Overall Length (MOL) (NOM)	8.250 in(209.5 mm)
Bulb Diameter (DIA) (MAX)	3.500 in(88.9 mm)
Bulb Diameter (DIA) (NOM)	4.625 in(117.5 mm)
Light Center Length (LCL) (NOM)	5.000 in(127.0 mm)

PRODUCT INFORMATION

Product Code	19609
Description	MPR320/C/PA/ED28
ANSI Code	M132/M154
Standard Package	Case
Standard Package GTIN	10043168196090
Standard Package Quantity	12
Sales Unit	Unit
No Of Items Per Sales Unit	1
No Of Items Per Standard Package	12
UPC	043168196093



NOTES

• When operated on a 120 hrs. cycle (minimum), lamp life rating may be extended by up to 50% based on engineering estimates.