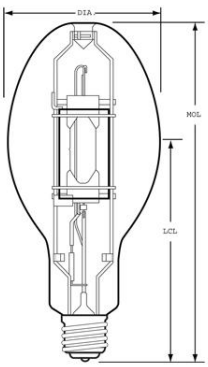
18708 - MPR400/VBU/HO/O

GE High Output Protected 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 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 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.
  - 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 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	ED37
Base	Mogul Screw (EX39)
Bulb Finish	Clear
Rated Life	20000.0 hrs
Bulb Material	Hard glass
Lamp Enclosure Type (LET)	Open or enclosed fixtures
LEED-EB MR Credit	121 picograms Hg per mean lumen hour
Additional Info	High output

PHOTOMETRIC CHARACTERISTICS

Initial Lumens	40000.0
Mean Lumens	26000.0
Nominal Initial Lumens per Watt	100
Color Temperature	3400.0 K
Color Rendering Index (CRI)	65.0
Effective Arc Length	1.54 in

ELECTRICAL CHARACTERISTICS

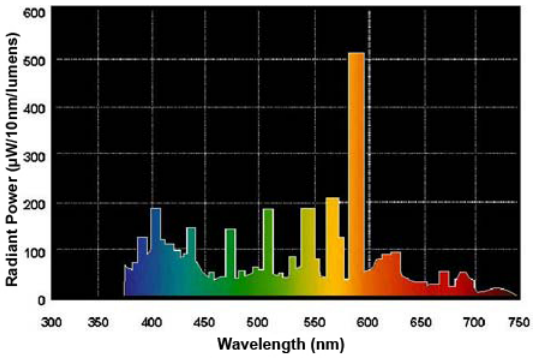
Wattage	400.0
Burn Position	Vertical base up ±15º
Open Circuit Voltage (peak lead ballast) (MIN)	540.0 V
Open Circuit Voltage (RMS lag ballast) (MIN)	382.0 V
Warm Up Time to 90% (MIN)	2.0 min
Warm Up Time to 90% (MAX)	5.0 min
Warm Up Time to 90%	2.0 min
Hot Restart Time to 90% (MIN)	10.0 min
Hot Restart Time to 90% (MAX)	15.0 min

DIMENSIONS

Maximum Overall Length (MOL)	11.5000 in(292.1 mm)
Nominal Length	11.500 in(292.1 mm)
Bulb Diameter (DIA)	4.625 in(117.5 mm)
Light Center Length (LCL)	7.000 in(177.8 mm)

PRODUCT INFORMATION

Product Code	18708
Description	MPR400/VBU/HO/O
ANSI Code	M59
Standard Package	Case
Standard Package GTIN	10043168187081
Standard Package Quantity	6
Sales Unit	Unit
No Of Items Per Sales Unit	1
No Of Items Per Standard Package	6
UPC	043168187084


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