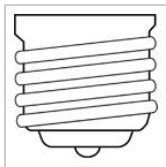
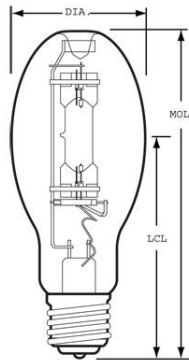




GE
Lighting

12471 - HR100A38

GE Mercury ED23.5 - Street Lighting



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.

GRAPHS & CHARTS

Graphs_Spectral Power Distribution

GENERAL CHARACTERISTICS

Lamp Type	High Intensity Discharge - Mercury
Bulb	ED23.5
Base	Mogul Screw (E39)
Bulb Finish	Clear
Rated Life (MIN)	20000.0 h
Rated Life (NOM)	20000.0 h
Bulb Material	Hard glass
Lamp Enclosure Type (LET)	Open or enclosed fixtures
Mercury Content (NOM)	16.7 mg
Picograms of Mercury (NOM)	309.8 pg
Primary Application	Street Lighting; Motion-Sensing & Security

PHOTOMETRIC CHARACTERISTICS

Initial Lumens (NOM)	3850.0
Mean Lumens (NOM)	2695.0
Nominal Initial Lumens per Watt (NOM)	38.5
Color Temperature (NOM)	5700.0 K
Color Rendering Index (CRI) (NOM)	15.0
Effective Arc Length (NOM)	1.1811 in

ELECTRICAL CHARACTERISTICS

Wattage (NOM)	100.0
Burn Position	Universal burning position
Open Circuit Voltage (peak lead ballast) (MIN)	318.0 V
Open Circuit Voltage (RMS lag ballast) (MIN)	225.0 V
Warm Up Time to 90% (MIN)	5.0 min
Warm Up Time to 90% (MAX)	7.0 min
Hot Restart Time to 90% (MIN)	3.0 min
Hot Restart Time to 90% (MAX)	6.0 min

DIMENSIONS

Maximum Overall Length (MOL) (NOM)	7.500 in(190.5 mm)
Nominal Length (NOM)	7.500 in(190.5 mm)
Bulb Diameter (DIA) (NOM)	2.937 in(74.6 mm)
Light Center Length (LCL) (NOM)	5.000 in(127.0 mm)

PRODUCT INFORMATION

Product Code	12471
Description	HR100A38
ANSI Code	H38
Standard Package	Case
Standard Package GTIN	10043168124710
Standard Package Quantity	5
Sales Unit	Unit
No Of Items Per Sales Unit	1
No Of Items Per Standard Package	5
UPC	043168124713

