

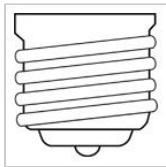
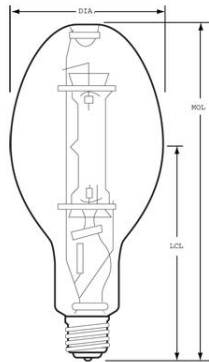


GE
Lighting

23998 - HR400DX33

GE Mercury ED37

- High color rendering (65-70CRI), much better than standard HPS



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 | ED37 |
| Base | Mogul Screw (E39) |
| Bulb Finish | Delux white |
| Rated Life (NOM) | 20000.0 h |
| Bulb Material | Hard glass |
| Lamp Enclosure Type (LET) | Open or enclosed fixtures |
| Mercury Content (NOM) | 68.3 mg |
| Picograms of Mercury (NOM) | 215.9 pg |

PHOTOMETRIC CHARACTERISTICS

| | |
|---------------------------------------|-----------|
| Initial Lumens (NOM) | 22600.0 |
| Mean Lumens (NOM) | 15800.0 |
| Nominal Initial Lumens per Watt (NOM) | 56.5 |
| Color Temperature (NOM) | 3900.0 K |
| Color Rendering Index (CRI) (NOM) | 50.0 |
| Effective Arc Length (NOM) | 2.7559 in |

ELECTRICAL CHARACTERISTICS

| | |
|--|----------------------------|
| Wattage (NOM) | 400.0 |
| 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 |
| Warm Up Time to 90% (NOM) | 5.0 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) | 11.310 in(287.3 mm) |
| Nominal Length (NOM) | 11.310 in(287.3 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 | 23998 |
| Description | HR400DX33 |
| ANSI Code | H33 |
| Standard Package | Case |
| Standard Package GTIN | 00043168239981 |
| Standard Package Quantity | 6 |
| Sales Unit | Unit |
| No Of Items Per Sales Unit | 1 |
| No Of Items Per Standard Package | 6 |
| UPC | 043168970624 |

