TECHNICAL BULLETIN
Mercury Vapor Lamp

ANSI Code: H38
Product Code: 70701

Features:
- Built-in Reflector
- Medium Base
- Long Life
- Nickel Plated Base
- Rugged Construction

PERFORMANCE DATA

Initial lumens at rated watts after 100 hours operation 2900 lm
Mean lumens at 10hrs/starts 2320 lm
Average life 24000 h
Warm up time (90% lumens) 4 min
Correlated color temperature 5700 K
CIE chromaticity .327, .381
Color rendering index 25
Operating Position ANY
Time to hot re-start 10 min

ELECTRICAL CHARACTERISTICS

Nominal lamp wattage 100 W
Nominal lamp voltage 130 V
Nominal lamp current .85 Arms
Max. starting current 1.85 Arms
Current crest factor 2.0 max

Ballast requirements
Open circuit voltage 198 V
-30°C (-22°F) 280 V

Beam Characteristics
Beam Lumens (0-57.5º) 2000 lm
Axial Beam Intensity (0º) 950 cd
Beam Spread 115 deg

PHYSICAL DESCRIPTION

Maximum overall length 138 (5.43) mm
Bulb diameter 95 (3.75) mm
Base to bulb eccentricity (max) 3 deg
Maximum base temperature 190 (374) ºC
Maximum bulb temperature 400 (752) ºC
Bulb material Borosilicate (Hard Glass)
Bulb designation R30
Bulb finish Diffused
Base designation Medium

FIXTURE REQUIREMENT

Enclosed Fixture Required

OSHAS 18001:2007 Certified  ISO 17025:2005 Accredited
Address: 9150 Hendricks Rd., Mentor, OH 44060
Phone: 888-665-2677    Fax: 800-811-7395  E-Mail: sales@eyelighting.com
Phone: (440) 350-7000  Fax: (440) 350-7001  Web: www.eyelighting.com

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WARNING

This lamp can cause serious skin burn and eye inflammation from short-wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available.

RISK OF ELECTRIC SHOCK
- Turn power off before inspection, installation or removal
- Protect lamp from direct contact with liquids to avoid breakage from thermal shock

RISK OF FIRE
- Keep combustible materials away from lamp during operation

UNEXPECTED LAMP RUPTURE MAY CAUSE INJURY, FIRE, OR PROPERTY DAMAGE
- Do not exceed rated ballast voltage
- Do not use lamp if outer glass is scratched or broken.
- Do not use beyond rated life
- Do not turn on lamp until fully installed
- Use only with a fixture and ballast rated for this product
- Turn lamp off at least once a week for 15 minutes
- Electrically insulate any metal to glass support in fixture

CAUTION

RISK OF BURN
- Allow lamp to cool before handling.

LAMP MAY SHATTER AND CAUSE INJURY
- Do not use excessive force when installing lamp
- Dispose of lamp in a closed container

LAMP OPERATING INSTRUCTIONS
This is a discharge lamp and requires some time to restart and come up to full brightness after a power interruption. If power supply dips or is interrupted, lamps may extinguish and not restart. Turn off power supply for 10-15 minutes and allow lamp to fully cool. Lamp will restart when power is restored.

Conforms to:

Hg - LAMP CONTAINS MERCURY. Manage in Accord with Disposal Laws. See: www.lamprecycle.org or 1-888-665-2677.