



TECHNICAL BULLETIN METAL HALIDE

EYE Cera Arc® CMT150/U/928/MED

ANSI Code: For use with specified M142 electronic ballast*

Product Code: 55197

Features:

- High Color Rendering; CRI 95
- High efficacy
- Excellent lumen maintenance
- UV-cut coating
- Superior lamp to lamp color consistency
- Color temperature 2800K

PERFORMANCE DATA

| | | |
|---|------------|--------------|
| Initial lumens at rated watts after 100 hours operation | 13500 | Lumens |
| Mean lumens at 10 hours/start | 10125 | Lumens |
| Rated average life | 12000 | Hours |
| Warm up time (90% lumens) | 4 | Minutes |
| Correlated color temperature | 2800 | K(Reference) |
| CIE chromaticity | 0.45, 0.40 | X, Y |
| Color rendering index | 95 | |
| Operating Position | Universal | |
| Time to hot re-start | 15 max | Minutes |

ELECTRICAL CHARACTERISTICS

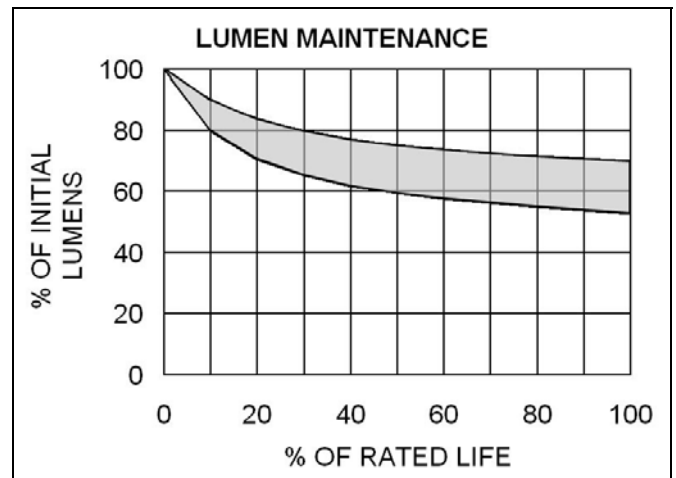
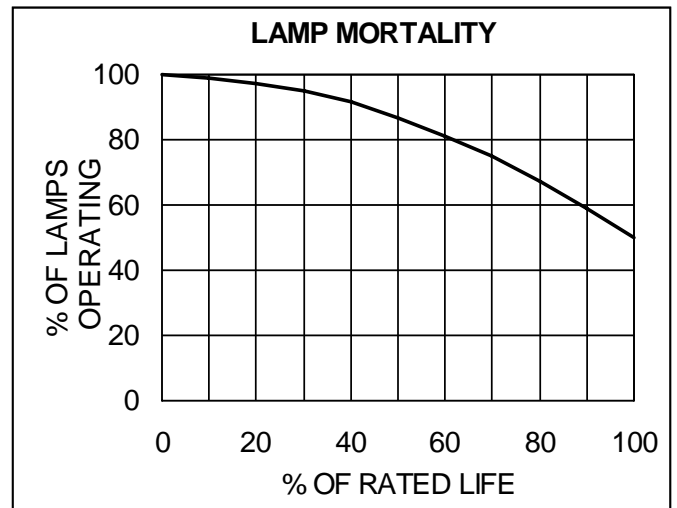
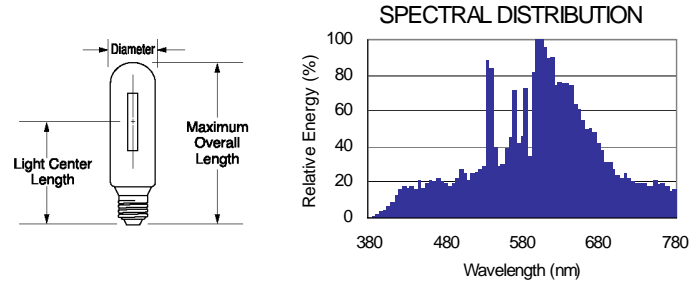
| | | | |
|---------------------------|-------------------|--------------------|-------------|
| Nominal lamp wattage | 150 | Watts | |
| Nominal lamp voltage | 95 | Volts | |
| Nominal lamp current | 1.9 | Amps | |
| Current crest factor | 1.8 max | | |
| Min. open circuit voltage | 198 | Vrms | |
| | 280 | Vpk | |
| Max. Starting current | 3.0 | Amps | |
| Pulse requirements | Option 1 | Option 2 | |
| Pulse height | 3.0-4.0 | 3.0-4.0 | kV |
| Pulse width | 1.9@2.7 | 1.0@2.7 | µsec@kV |
| Mini. Pulse repetition | 1 | 2 | /half cycle |
| Pulse positions | 60-95, 240-275 | 64-110, 244-290 | degrees |
| Dimming capability | No | | |

PHYSICAL DESCRIPTION

| | | |
|---------------------------|------------------------|----------|
| Maximum overall length | 5.63(143) | in (mm) |
| Light center length | 3.74(95) | in (mm) |
| Bulb diameter (Max) | 1.18(30) | in (mm) |
| Effective arc length | 0.35(9) | in (mm) |
| Base to bulb eccentricity | 2 | Deg Max. |
| Maximum base temperature | 446(230) | °F (°C) |
| Maximum bulb temperature | 806(430) | °F (°C) |
| Bulb designation | T9.5 | |
| Bulb material | Quartz glass | |
| Arc tube material | PCA | |
| Bulb finish | Clear (UV cut coating) | |
| Base designation | MED | |

FIXTURE REQUIREMENT

O Rated- Open or enclosed fixtures.



* Specified ballast only. Call EYE lighting for detail.

ISO 9001:2008 Certified

ISO 14001:2004 Certified

OSHAS 18001:2007 Certified

ISO 17025:2005 Accredited



EYE Lighting International of North America, Inc.
A division of Iwasaki Electric of Japan

Address: 9150 Hendricks Rd.,
Mentor, OH 44060

Phone: (440) 350-7000
Fax: (440) 350-7001

www.eyelightning.com



⚠ 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.

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Conforms to:
USA: 21CFR1040.30

Hg-LAMP CONTAINS MERCURY

Manage in Accord with Disposal Laws

See: www.lamprecycle.org or 1-888-665-2677

