



TECHNICAL BULLETIN METAL HALIDE

EYE Color Arc® MT100F/SW

ANSI Code:

Product Code: 55338

Features:

- High color rendering, CRI=96
- Open fixture rated
- Compact tubular bulb and medium base
- UV-block coating on the outer bulb

PERFORMANCE DATA

Initial lumens at rated watts after 100 hours operation	6500	Lumens
Mean lumens at 10 hours/start	5200	Lumens
Rated average life	9000	Hours
Warm up time (90% lumens)	4	Minutes
Correlated color temperature	4500	K
CIE chromaticity	0.360, 0.363	x, y
Color rendering index	96	
Operating Position	Universal	
Time to hot re-start	15 max	Minutes

ELECTRICAL CHARACTERISTICS

Nominal lamp wattage	100	Watts
Nominal lamp voltage	95	Volts
Nominal lamp current	1.3	Amps
Current crest factor	1.8 max	
Min. Starting voltage	198	Vrms
Min. Starting voltage	280	Vpk
Max. Starting current	2.0	Amps
Socket rating	4.0	kV
Dimming capability	No	

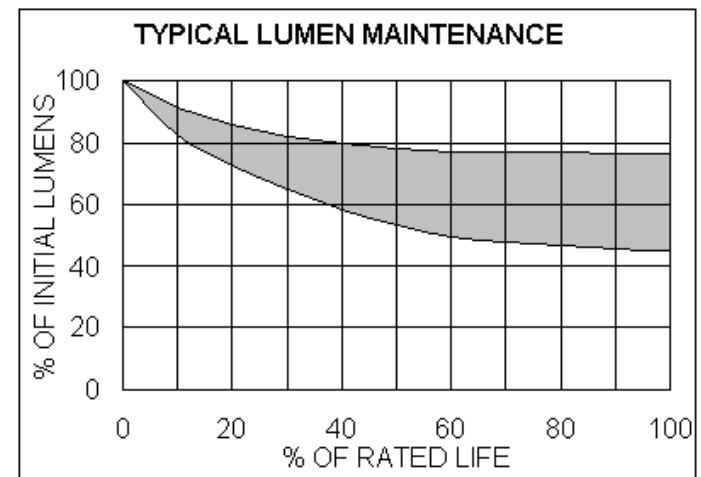
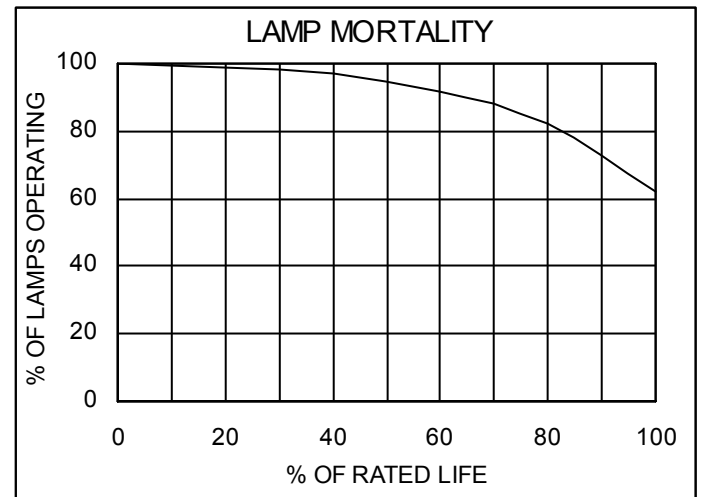
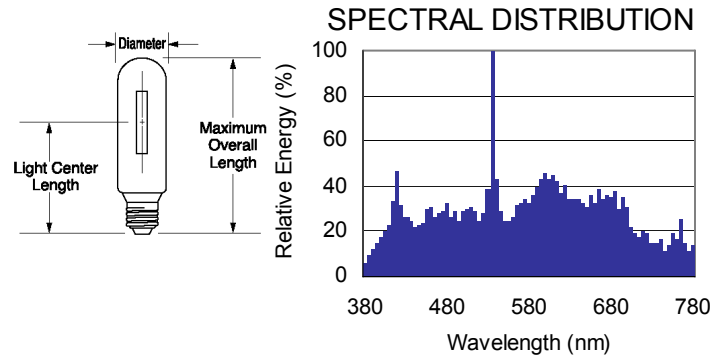
Ignitor Requirements	Option 1	Option 2	
Min. Pulse Height	3.0	3.0	kV
Max. Pulse Height	4.0	4.0	kV
Min. Pulse Width	1.0@2.7	1.9@2.7	µsec@kV
Min. Pulse Repetition	2	1	/half cycle
Pulse Positions	60-90, 240-270	64-110, 244-290	degrees

PHYSICAL DESCRIPTION

Maximum overall length	5.433(138)	in (mm)
Light center length	-	in (mm)
Bulb diameter	1.378(35)	in (mm)
Effective arc length	-	in (mm)
Base to bulb eccentricity	3	Deg Max.
Maximum base temperature	374(190)	°F (°C)
Maximum bulb temperature	806(430)	°F (°C)
Bulb designation	T11	
Bulb material	Hard glass	
Arc tube material	Quartz	
Bulb finish	Frosted (UV-block coating)	
Base designation	E26 Medium	

FIXTURE REQUIREMENT

O Rated – Open or enclosed fixtures



ISO 9001:2008 Certified ISO 14001:2004 Certified

OSHAS 18001:2007 Certified ISO 17025:2005 Accredited



**EYE LIGHTING INTERNATIONAL
OF NORTH AMERICA, INC.**

A SUBSIDIARY OF IWASAKI ELECTRIC CO., LTD.

Address: 9150 Hendricks Rd., Mentor, OH 44060

Phone: 888-66-LAMPS Fax: 800-811-7395 E-Mail: sales@eyelighting.com

Phone: (440) 350-7000 Fax: (440) 350-7001 Web: www.eyelighting.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.

R

Conforms to:
USA: 21CFR1040.30

Hg-LAMP CONTAINS MERCURY

Manage in Accord with Disposal Laws

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

