



# TECHNICAL INFORMATION BULLETIN

## Metal Halide

Order Code: **61429**

Description: **CMTP150/U/943/MED EYE**

**ANSI Code: For use with specified M142 ballast\***

**Features:**

- High Color Rendering; CRI 95
- High efficacy
- Excellent lumen maintenance
- UV-cut coating
- Superior lamp to lamp color consistency
- Color Temperature 4300K

### 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	4300	K
CIE chromaticity	0.37, 0.37	X, Y
Color rendering index	95	
Operating Position	Universal	
Time to hot re-start	15 max	Minutes

### ELECTRICAL CHARACTERISTICS

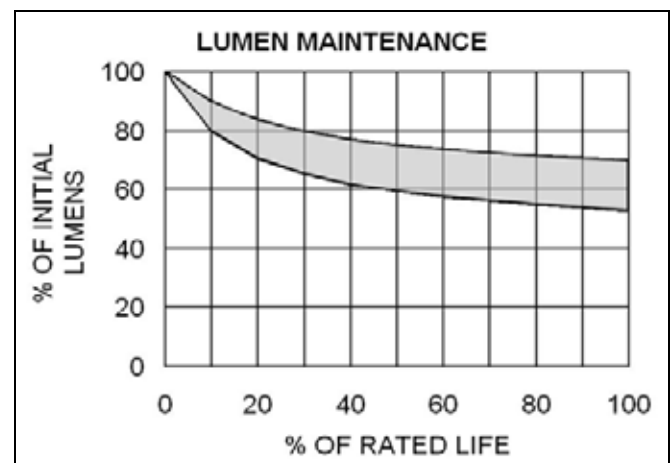
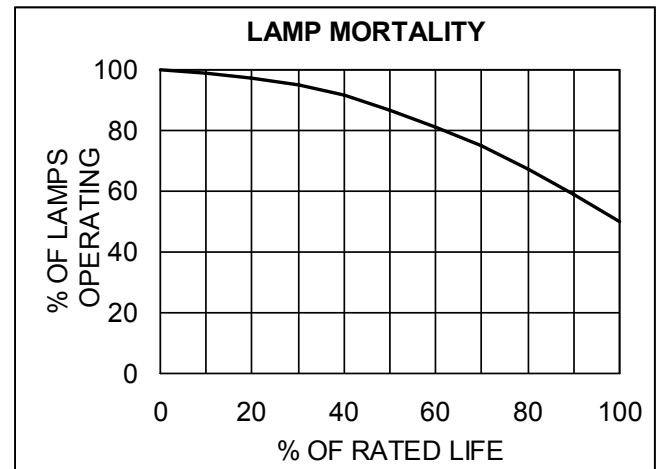
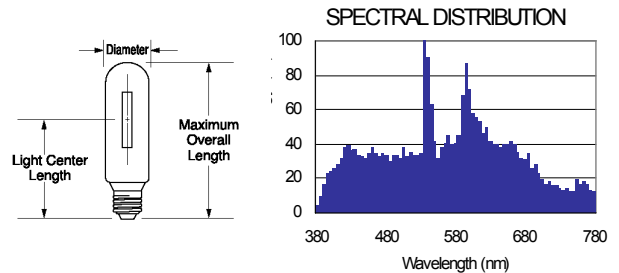
Nominal lamp wattage		150	Watts
Nominal lamp voltage		95	Volts
Nominal lamp current		1.9	Amps
Current crest factor		1.8 max	
Min. open circuit voltage		198	Vrms
		280	Vpk
Max. Starting current		3.0	Amps
Pulse requirements	Option 1	Option 2	
Pulse height	3.0-4.0	3.0-4.0	kV
Pulse width	1.9@2.7	1.0@2.7	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)	1.58(40)	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	T13	
Bulb material	Quartz glass	
Arc tube material	PCA	
Bulb finish	Clear (UV cut coating)	
Base designation	MED	

### FIXTURE REQUIREMENT

E Rated- Enclosed fixtures.



\* Specified ballast only. Call EYE lighting for detail.



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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.

**R**

Conforms to:  
USA: 21CFR1040.30

### **Hg-LAMP CONTAINS MERCURY**

Manage in Accord with Disposal Laws

See: [www.lamprecycle.org](http://www.lamprecycle.org) or 1-888-665-2677