



TECHNICAL INFORMATION BULLETIN

High Pressure Sodium

Order Code: **15046**

Description: **LU100/I/EN EYE**

ANSI Code: S54

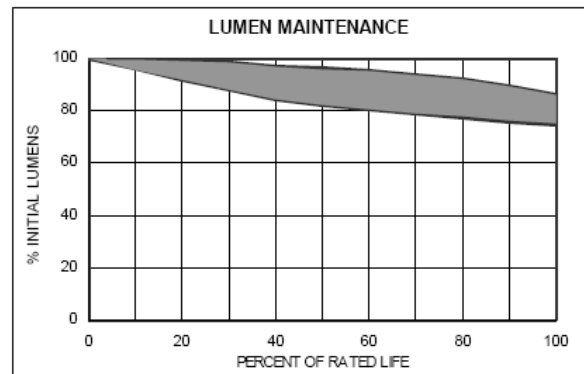
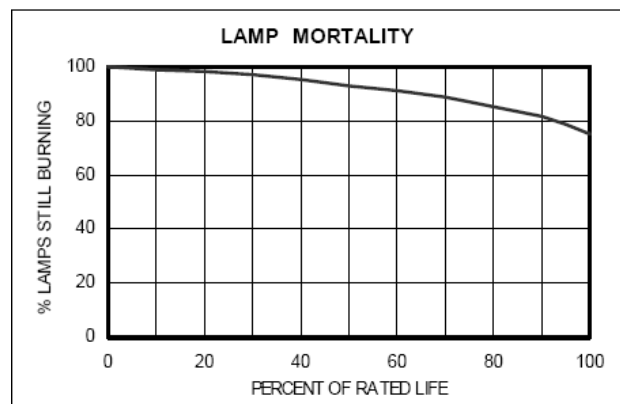
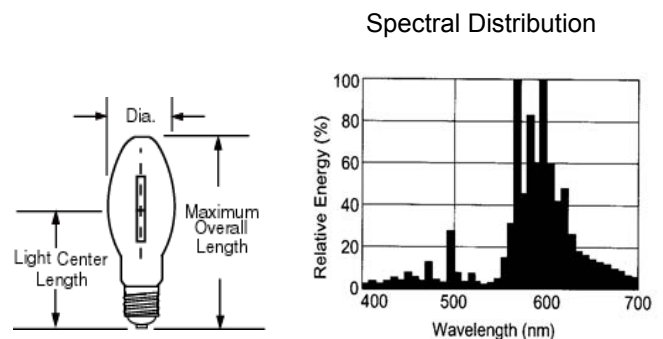
Features:	<ul style="list-style-type: none"> • Eliminates the need for replacement ignitor • EPA TCLP compliant for non-hazardous waste • FEC protects lighting system components • Dependable long life 	<ul style="list-style-type: none"> • Universal burning position • Eliminates possible damage to ballast
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PERFORMANCE DATA		
Initial lumens at rated watts after 100 hours operation	9500	lm
Mean lumens at 10 hours/start	8550	lm
Rated average life	30000	h
Warm up time (90% lumens)	5	min
Correlated color temperature	1900	K
CIE chromaticity	0.532, 0.403	x, y
Color rendering index	17	
Operating Position	Any	
Hot Re-strike time	15	min

ELECTRICAL CHARACTERISTICS		
Nominal lamp wattage	100	W
Nominal lamp voltage	55	V
Nominal lamp current	2.1	A _{rms}
Current crest factor (max.)	1.8	
Max. starting current	3.2	A _{rms}
Min. starting current	2.1	A _{rms}
Ballast requirements	Use with ballast rated for S54 lamps	
Open circuit voltage		
-40°C (-40°F)	102 (144)	V _{rms} (V _{peak})
Pulse requirements	External pulse not required	
Pulse Height/Number of pulses	Not Applicable	kV
Pulse Width	Not Applicable	μs
Socket rating	4	kV

PHYSICAL DESCRIPTION		
Maximum overall length	186 (7.3)	mm (in)
Light center length	127 (5.0)	mm (in)
Bulb diameter	75 (2.94)	mm (in)
Base to bulb eccentricity (max.)	3	Degrees
Maximum base temperature	210 (410)	°C (°F)
Maximum bulb temperature	400 (742)	°C (°F)
Bulb designation	ED23.5	
Bulb material	Borosilicate (Hard Glass)	
Arc tube material	PCA	
Arc length	23.5 (0.93)	mm (in)
Bulb finish	Clear	
Base designation	Mogul (E39)	

EPA TCLP Compliant	Yes
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⚠ WARNING

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 fixture and ballast rated for this product.
- Electrically insulate any metal to glass support in fixture.

⚠ CAUTION

RISK OF BURN:


- • Allow lamp to cool before handling.
- • Contains sodium – Avoid skin contact with broken pieces.

LAMP MAY SHATTER AND CAUSE INJURY IF BROKEN

- • Do not use excessive force when installing lamp.
- • Dispose of lamp in an enclosed container.
- • Wear safety glasses and gloves when installing lamp.

LAMP OPERATING INSTRUCTIONS

IGNITRON LAMPS CONTAIN AN INTERNAL IGNITOR.

TO INSURE PROPER LAMP OPERATION AND MAINTAIN  FIXTURE LISTING, DISABLE THE FIXTURE IGNITOR AS PER INSTRUCTIONS LOCATED ON OUR WEBSITE:

www.eyelighting.com, "Luminaire Conversions Retrofit Instructions."

Hg-LAMP CONTAINS MERCURY

Manage in Accord with Disposal Laws

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