



TECHNICAL BULLETIN

HIGH PRESSURE SODIUM

Ignitron™ EN
LU310/I/EN

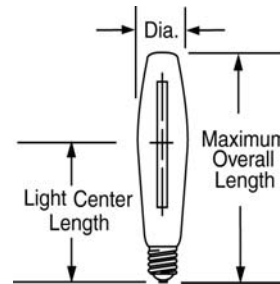
ANSI Code: S67

Product Code: 60050

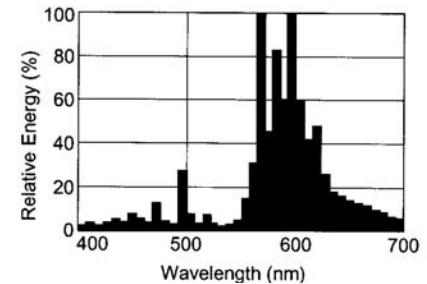
Features:	<ul style="list-style-type: none"> Eliminates the need for replacement ignitor EPA TCLP compliant for non-hazardous waste FEC protects lighting system components Dependable long life 	<ul style="list-style-type: none"> Universal burning position Eliminates possible damage to ballast
------------------	--	---

PERFORMANCE DATA

Initial lumens at rated watts after 100 hours operation	37000	lm
Mean lumens at 10 hours/start	33300	lm
Rated average life	30000	h
Warm up time (90% lumens)	5	min
Correlated color temperature	2100	K
CIE chromaticity	0.522, 0.403	x, y
Color rendering index	22	
Operating Position	Any	
Hot Re-strike time	15	min



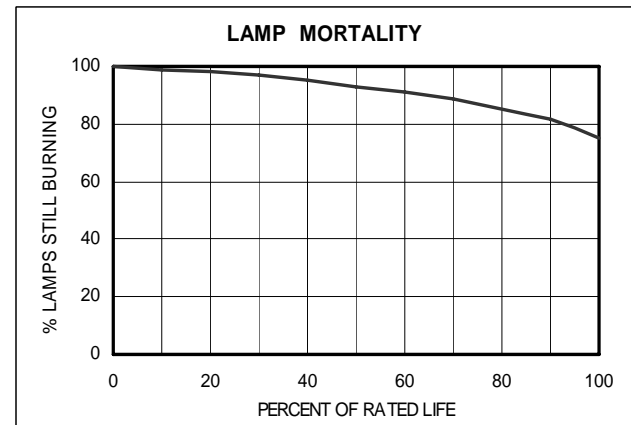
Spectral Distribution



ELECTRICAL CHARACTERISTICS

Nominal lamp wattage	310	W
Nominal lamp voltage	100	V
Nominal lamp current	3.6	A _{rms}
Current crest factor (max.)	1.80	
Max. starting current	4.5	A _{rms}
Min. starting current	3.6	A _{rms}
Ballast requirements	Use with ballast rated for S67 lamps	
Open circuit voltage		
-40°C (-40°F)	168 (237)	V _{rms} (V _{peak})
Pulse requirements		
Pulse Height/Number of pulses	Not Applicable	kV
Pulse Width	Not Applicable	μs
Socket rating	4	kV

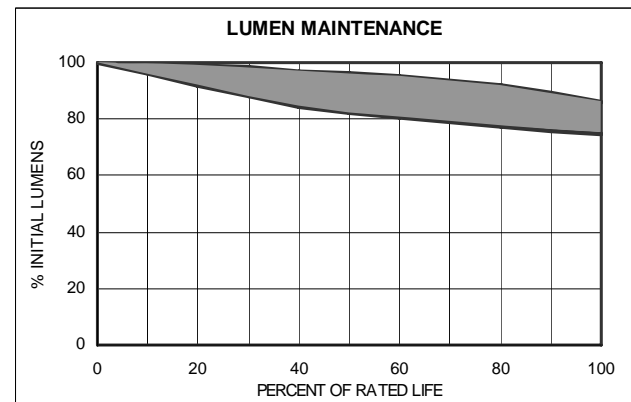
LAMP MORTALITY



PHYSICAL DESCRIPTION

Maximum overall length	248 (9.75)	mm (in)
Light center length	146 (5.75)	mm (in)
Bulb diameter	57 (2.25)	mm (in)
Base to bulb eccentricity (max.)	3	Degrees
Maximum base temperature	210 (410)	°C (°F)
Maximum bulb temperature	400 (752)	°C (°F)
Bulb designation	ET18	
Bulb material	Borosilicate (Hard Glass)	
Arc tube material	PCA	
Arc length	67 (2.63)	mm (in)
Bulb finish	Clear	
Base designation	Mogul (E39)	

LUMEN MAINTENANCE



ISO 9001:2000 Certified ISO 14001:2004 Certified
EYE LIGHTING INTERNATIONAL
OF NORTH AMERICA, INC.
 A SUBSIDIARY OF IWASAKI ELECTRIC CO., LTD.

OSHAS 18001:1999 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



⚠ 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

ISO 9001:2000 Certified

ISO 14001:2004 Certified

OSHAS 18001:1999 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: 888-665-2677 Fax: 800-811-7395 e-mail: sales@eyelighting.com

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