

GE Consumer & Industrial
Lighting

**Lower Disposal Costs.
Lower Maintenance Costs.**

One Lamp. Two Solutions.

ECOLUX® Medium Base HPS Lamps

**New and Improved Medium Base HPS is
now ECO.**

The standard for medium base HPS is now ECO, all lamps offered meet TCLP compliance. Currently wattages available are 35, 50, 70, 100 and 150 watt.

Reduced mercury for lower disposal costs.

Ecolux® lamps feature **mercury reduction** vs. standard HPS lamps and **lead-free base**.

Passes the EPA Toxicity Characteristic Leaching Procedure Test (TCLP), **substantially lowering disposal costs***

Direct replacement of existing HPS lamps.

GE HPS Ecolux® lamps fit standard high pressure sodium medium base sockets.

No new ballasts or fixtures are needed.

**Same long life and outstanding
efficiency as standard HPS lamps.**

*Local and State regulations vary. Consult your state EPA.



Applications:

**Wallpacks
Parking Areas
Industrial**



imagination at work

**Wherever you have standard HPS
Lighting, use GE Ecolux® and
provide a better HPS solution.**

GE ECOLUX[®]

Medium Base High Pressure Sodium Lamp Specifications

PRODUCT INFORMATION	CLEAR 35-WATT MED Base B17	CLEAR 50-WATT MED Base B17	CLEAR 70-WATT MED Base B17	CLEAR 100-WATT MED Base B17	CLEAR 150-WATT MED Base B17
Product Code	11668	11345	11339	13250	13252
ANSI or IEC Code	S76	S68	S62	S54	S55
Description	LU35/MED/ECO	LU50/MED/ECO	LU70/MED/ECO	LU100/MED/ECO	LU150/MED/ECO
Physical Characteristics					
Burning Position	Universal	Universal	Universal	Universal	Universal
Bulb Designation	B17	B17	B17	B17	B17
Bulb Material	Hard Glass	Hard Glass	Hard Glass	Hard Glass	Hard Glass
Bulb Nominal Diameter, mm (in.)	75 (2 15/16")	75 (2 15/16")	75 (2 15/16")	75 (2 15/16")	75 (2 15/16")
Base Type	Medium	Medium	Medium	Medium	Medium
Light Center Length, mm (in.)	87 (3.43")	87 (3.43")	87 (3.43")	87 (3.43")	87 (3.43")
Max. Overall Length, mm (in.)	138 (5.43")	138 (5.43")	138 (5.43")	138 (5.43")	138 (5.43")
Arc Length, mm (in.)	20 (.8")	38 (1 1/2")	43 (1 5/8")	70 (2 3/4")	86 (3 3/8")
Max. Bulb Temp. °C	400° C	400° C	400° C	400° C	400° C
Max. Base Temp. °C	210° C	210° C	210° C	210° C	210° C
Eccentricity: Bulb to Base	3°	3°	3°	3°	3°
Eccentricity: Bulb to Arc Axis	3°	3°	3°	3°	3°
Luminaire Characteristics — Open or Enclosed					
Nominal Lamp Watts	35	50	70	100	150
Nominal Lamp Volts	52	52	52	55	55
Maximum Lamp Amps – Starting	1.25	1.85	2.4	3.2	4.8
Nominal Lamp Amps – Operating	.83	1.18	1.6	2.1	3.2
Max. Current Crest Factor	1.8	1.8	1.8	1.8	1.8
Ballast OCV, Minimum	110	110	110	110	110
Starting Pulse Requirements					
Pulse Peak Volts (min.)	2500	2500	2500	2500	2500
(max.)	4000	4000	4000	4000	4000
Min. Pulse Width (microseconds)	1 @ 2250	1 @ 2250	1 @ 2250	1 @ 2250	1 @ 2250
Min. Pulse Repetition	60 per second	60 per second	60 per second	60 per second	60 per second
Min. Pulse Peak Current (amp)	0.2	0.2	0.2	0.2	0.2
Photometric Characteristics					
Initial Lumens	2250	4000	6400	9500	16000
Mean Lumens @ 50% Rated Life	2025	3600	5450	8550	14400
Average Rated Life (hrs.)	16000	24000+	24000+	24000+	24000+
Color Rendering Index @ CCT (K)	22 @ 1900	22 @ 1900	22 @ 1900	22 @ 2000	22 @ 2000
Warm Up Time (Minutes) to 90%	3 to 4	3 to 4	3 to 4	3 to 4	3 to 4
Hot Restart Time (Minutes) to 90%	5 maximum	5 maximum	5 maximum	5 maximum	5 maximum

Reference Lumens - Rated average lamp lumens obtained under controlled laboratory conditions in a prescribed burning position. Initial Reference Lumens refer to the lamp lumen output after 100-hours burning. Mean Reference Lumens refer to the lamp lumen output at the mean lumen point during lamp life. The mean lumen point occurs at 50% rated life for high pressure sodium lamps. Lamp performance on typical systems under typical service conditions will vary from the reference lumens ratings.

Lumen maintenance is measured under specified test conditions at rated lamp watts for lamps that have been operated 10 or more burning hours per start on typical commercial ballasts. Rated mean lumens are measured at 50% of rated life, at rated lamp watts.

Caution—THE FOLLOWING INSTRUCTIONS MUST BE COMPLIED WITH TO HELP AVOID POSSIBLE SHATTERING AND EARLY FAILURE OF THE LAMP.

General Electric Company will not be responsible for poor lamp performance, personal injury or property damage resulting from failure to follow these instructions.

WARNING

- This is a vacuum jacket lamp and may implode if broken. As a precaution, wear safety glasses and gloves when installing or removing lamp.

CAUTION

- Electrically insulate any metal to glass support in fixture to avoid decomposition of the glass.
- Protect lamps from direct contact with liquids (such as rain, sleet or snow) to avoid breakage from thermal shock.
- Screw lamp firmly but not forcibly into the socket to minimize loosening due to vibration. Do not use excessive force as the glass bulb may break.
- Do not scratch glass bulb because it may break during installation or later during lamp operation.
- Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.
- Do not touch the lamp base shell during operation to avoid potential electrical

Information provided is subject to change without notice. Please verify all details with GE. All values are design or typical values when measured under laboratory conditions, and GE makes no warranty or guarantee, express or implied, that such performance will be obtained under end-use conditions.

For additional product and application information, please consult GE's Website: www.gelighting.com