



GE
Lighting



666

kWh/1000h

150

lumens/watt

Lucalox™ PSL (PhotoSynthesis Light) Tubular Clear

LU 600W/PSL/T/E40 Bulk 1/63

44305

Product information

Simple light or lumen maintenance is not enough to create plant growth. Plants require a certain radiation level to help with photosynthesis. The Lucalox™ PhotoSynthesis Light Lamp has been specially developed to provide stable lumen maintenance and increases Photosynthetically Active Radiation (PAR).

- Measured in micromole/sec, the increased PAR output of the Lucalox™ PSL lamp best simulates natural daylight to maintain plant growth under artificial lighting conditions.

Application areas



Horticulture



WORLDWIDE PARTNER

Product data

Cap/Base	E40
Bulb Shape	Tubular
Bulb Finish	Clear
Bulb Diameter [mm]	48
Maximum Overall Length [mm]	292
Light Center Length [mm]	169
Net weight per piece [g]	172
Gross weight per piece [g]	204
Operating position	U - Universal
Mercury Content [mg]	21.9
Brand	General Electric (GE)

Performance data

Colour Rendering Index (CRI) [Ra]	22
Nominal correlated colour temperature (CCT) [K]	2100
Nominal lumens [lm]	90000
Rated Lumens [lm]	88090
Rated efficacy [lm/W]	146
Nominal chromaticity coordinate X	0.53
Nominal chromaticity coordinate Y	0.42
Weighted energy consumption [kWh/1000h]	665.79

Electrical data

Nominal power [W]	600
Nominal lamp voltage [V]	115
Design Ambient Temperature [°C]	25
Startup time [sec]	240
Dimming Capability	No
Ballast Required	Yes

Logistic data

DUN Code	10043168443057
Pack Quantity	63
Inner pack type	BOX
Outer pack type	OUTER BOX
Layer quantity	252 EUR
Layer quantity EUR	252
Pallet quantity EUR (PC)	756
Outer case size	599 x 399 x 338 (mm)
Product status	Available

Downloads & Links

[Go to the catalog site \(HTTP\)](#)

[Horticulture Lamps Spectrum Catalogue \(PDF\)](#)

[HPS Lucalox PSL Lamps -Data sheet \(PDF\)](#)

[Lighting design tools & calculators \(HTTP\)](#)

[High-res images / Technical drawings \(HTTP\)](#)

[Certificate for the Quality Management System of GE Lighting EMEA \(PDF\)](#)

[Certificate for the Environmental Management System of GE Lighting EMEA \(PDF\)](#)

Disclaimer

Special Purpose Lamp, Not suited for household illumination