



655

kWh/1000h

A++

energy class

150

lumens/watt

Lucalox™ PSL (PhotoSynthesis Light) Tubular Clear

LU400V/600W/PSL/T E40 1/12

43440

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



Product data

Light Center Length [mm]	169
Product Code	43440
Bulb Shape	Tubular
Bulb Finish	Clear
Bulb Diameter [mm]	48
Maximum Overall Length [mm]	292
Net weight per piece [g]	220
Gross weight per piece [g]	260
Operating position	U - Universal
Mercury Content [mg]	21.9
Brand	GE Lighting
Cap/Base	E40

Performance data

Rated Lumens [lm]	84980
Weighted energy consumption [kWh/1000h]	654.94
Rated efficacy [lm/W]	138
Energy efficiency class (EEC)	A++
Nominal chromaticity coordinate X	0.53
Nominal chromaticity coordinate Y	0.42
Nominal correlated colour temperature (CCT) [K]	2100
Nominal lumens [lm]	90000
Colour Rendering Index (CRI) [Ra]	22

Electrical data

Rated power [W]	595.4
Design Ambient Temperature [°C]	25
Startup time [sec]	240
Dimming Capability	No
Ballast Required	Yes
Nominal power [W]	600.0
Nominal lamp voltage [V]	200

Logistic data

DUN Code	10043168434406
EAN Code	0043168434409
Pack Quantity	12
Inner pack type	BOX
Outer pack type	OUTER BOX
Layer quantity	288 EUR, 372 UK
Layer quantity EUR	288
Layer quantity UK	372
Pallet quantity EUR (PC)	864
Pallet quantity UK (PC)	744
Outer case size	215 x 162 x 349 (mm)
Product status	Available

Technical drawing



Downloads & Links

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

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

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

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

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

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[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