



product details

PLANTASTAR 600



Product description: PLANTASTAR 600 ¹⁾
 Product code: 4050300620107
 Quantity: Sleeves (FLH) contains 1 Piece (PCE)

You can find this product in the eCatalog:

http://catalog.myosram.com?~language=EN&~country=COM&it_p=4050300620107

Capabilities	
Burning position	Any

Country specific categorizations	
SEG number	8333172
ILCOS	ST-600-H-E40-46/285

Additional product data	
Recycling	Yes
Base (standard designation) [PICOS]	E40
Design / version	Clear

Colors & materials	
Mercury-free	No
Rated lamp mercury content	20.0 mg

Electrical data	
Rated lamp efficacy (standard condition)	150 lm/W
Nominal wattage	600 W
PFC capacitor at 50 Hz	65 μ F ²⁾
Construction wattage	600 W
Construction current	6.2 A

Dimensions & weight	
Length	285.00 mm
Diameter	47 mm
Light center length (LCL)	175 mm

Lifespan	
Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000 h	0.99
Rated lamp survival factor at 6,000 h	0.98
Rated lamp survival factor at 8,000 h	0.97
Rated lamp survival factor at 12,000 h	0.96
Rated lamp survival factor at 16,000 h	0.95
Rated lamp survival factor at 20,000 h	0.93
Operation mode LLMF/LSF	50 Hz

Light technical data	
Rated color rendering index Ra	20
Rated luminous flux	90000 lm
Nominal luminous flux	90000 lm
Luminous flux	89000 lm



**Light technical data**

Rated color temperature	2000 K
Rated LLMF at 2,000 h	0.98
Rated LLMF at 4,000 h	0.97
Rated LLMF at 6,000 h	0.96
Rated LLMF at 8,000 h	0.95
Rated LLMF at 12,000 h	0.94
Rated LLMF at 16,000 h	0.94
Rated LLMF at 20,000 h	0.94
Luminance	770 cd/cm ²
Luminous efficiency	148 lm/W

Temperatures

Maximum permitted outer bulb temperature	450 °C
Maximum permitted base edge temperature	250 °C

Packaging units

Product code	Packaging type and content	Dimensions in h x w x l	Gross weight	Volume
4050300620107	Sleeves contains 1 Piece	52,000 mm x 52,000 mm x 325,000 mm	219,000 g (0,000 g)	0,879 Cubic dec.
4050300620114	Shipping carton box contains 12 Piece	217,000 mm x 342,000 mm x 266,000 mm	2 850,000 g (0,000 g)	19,650 Cubic dec.

PLANTASTAR

PLANTASTAR lamps are ideal for additional lighting in professional horticulture because they stimulate assimilation and growth in plants. This is particularly relevant for the production of cut flowers, vegetables, pot plants and seedlings.

Benefits

PLANTASTAR lamps are designed to match the absorption spectrum of plants. The benefits for the professional horticulture sector are as follows:

- Shorter production times
- Healthier plants
- Control over blossoming

PLANTASTAR 250 W inter is rated at 250 W, making it ideal for use with tall vegetable varieties. The lamps are hanged as free-burning lamps between the plants.

PLANTASTAR 600 W 400 V is an innovative lamp for intensive all-year-round horticulture. The 400 V version has an approximately 4.5 % higher photon flux and makes the electrical installation easier than for a 230 V system. It has been developed for operation on electromagnetic control gear.

Application

Greenhouses

- 1) Lamp requires igniter with an ignition voltage of 4...5 kVs
- 2) At rated voltage and $\cos \varphi \geq 0.9$