Dutch Lighting™ Innovations

Horticulture Plus DLI 750 W DE

Technical Datasheet

Lamp Finish Design
Outer bulb	tube, double ended
Base	open
Luminaire	Quarz
Outer bulb material	UV protected

Electrical data
Nominal voltage	400V
Ignition (-20°C to +40°C)	360V
Nominal power	750W
Rated power	750W
Lamp voltage after 100 h	190 ± 30V
Lamp operating current	4,1A
Starting current	6,0A
Rated lamp efficacy	14 lm/W
Ignition voltage	3,5 - 5 kV
Run-up time	5 min
Reignition time (bare lamp)	2 min

Light engineering data
Rated Luminous Flux (100 Hrs.)	106000 lm
Photon flux PPF (100h)	1400 µmol/s
Correlated colour temperature (CCT)	2000K
Rendering index/Ra (CRI)	30
Luminous colour	ww
Rated lumen maintenance (LLMF) 12.000 h	90%
Operations mode (LLMF)	EVG/ECG*

Lifetime
Useful Lifetime to 10% failure (12B10)	12000 h
Rated lamp survival factors 12.000 h	88%
Operations mode (LSF)	EVG/ECG*

Dimension/Weight
Max. overall length (MOL)	390 mm
Length quartz glass bulb	325 ± 2 mm
Diameter outer jacket	30 ± 2 mm
Light centre length (LCL)	160 ± 5 mm
Mercury	40,0 mg

Temperature
Permitted outer bulb temperatur (max.) Cap	450°C
temperature (max.)	250°C

Operating instructions
Required ignitor	Yes
Ballast	EVG/ECG
Burning position	horizontal ±45°
Dimmable	Yes

Packaging information
Folding (mm)	453x 64,5 x 39,5
carton (mm)	460 x 225 x140
Outer carton (mm)	N/A
Weight lamp	N/A
Pieces per carton	12
Photosynthetic efficacy	1,87 µmol/J
Energy consumption	825 kWh/1000h

Lamp lumen maintenance factor

Lamp survival factor

AUVL 750W DE HPS 400V GROW GREEN
Rel. Spectral Distribution / Wavelength (nm)
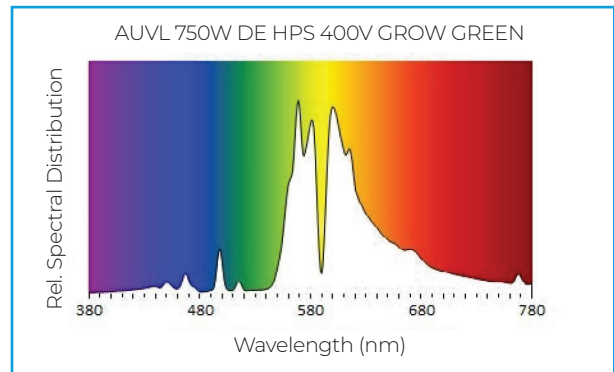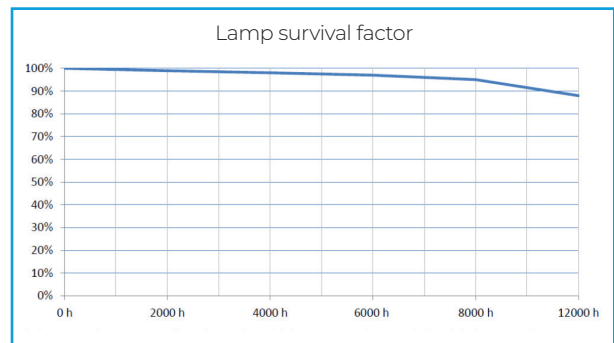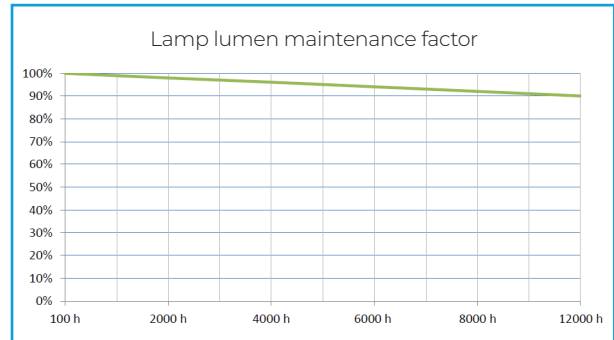
Use appropriate lamp gear to limit current and power. Note (EN 62035) Risk of rectifying effect at the end of the lifetime. - use lamp gear with thermal protection. *The values and ignitor performance may differ at the operation with CCG. Do not stare into the lamp.The cable length between the ECG and the lamp must not exceed four meters.

Special purpose lampe for plant growing, do not use for general lightning in wavelength range between 400 nm and 700 nm Lamp finish refers to acc. Standard EN 60662
Note: Errors and omission excepted.