

# Horti 2



Horti 2 is a luminaire designed to illuminate greenhouse crops. The lamp has a lightweight, sturdy and slim form, thanks to its aluminum housing and a shutter made of PMMA. The Horti 2 lighting uses a patented pulsed plant illumination system that is unique on a global scale. Depending on the choice of spectrum, the luminaire can be used to illuminate different types of crops. Horti 2 was created with individual users' needs in mind, so you can choose a luminaire with different power outputs depending on your preferences. Available variants: 200 W, 160 W, and 120 W.

Each luminaire has an individual control system. In addition, with larger crops in mind, we designed a group control system. In addition the controller has a function for individual power adjustment - 10 levels each level allows power reduction / dimming by 10%.

## VARIANTS AVAILABLE

MODEL	POWER	PPF	PROTECTION CLASS	IP	IK	AVERAGE POWER	APPLICATION
Horti 2 CB	200 W / 20 W	500 $\mu\text{mol} / \text{s}$	I	65	04	100 W	Cannabis crops
Horti 2 A	200 W / 20 W	510 $\mu\text{mol} / \text{s}$	I	65	04	100 W	Crops of seedlings
Horti 2 B	200 W / 20 W	560 $\mu\text{mol} / \text{s}$	I	65	04	100 W	Greenhouse crops

## TECHNICAL PARAMETERS

**Supply voltage:** 230 V AC / 50-60Hz

**Ambient temperature range:** +5°C... +40°C

**Lifetime L90B50:** above 70 000 h

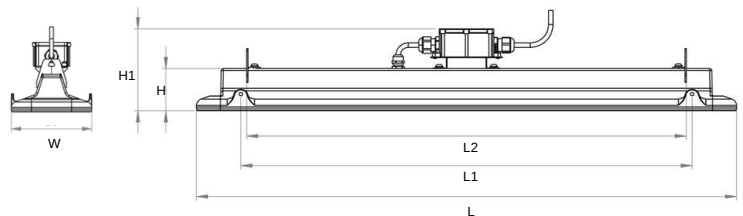
**Power factor:** >0,94 (full power)

**Installation:** suspended

**Housing:** aluminium, PMMA

**Cooling system:** passive

**Warranty:** 5 years



Name	L (mm)	L1 (mm)	L2 (mm)	W (mm)	H (mm)	H1 (mm)	Weight (kg)
Horti 2	790	660	643	140	61,5	124	3,65





## Examples of lighting parameters for a single luminaire

LUMINAIRE MODEL	HEIGHT (cm) ▶▶	25	50	75	100	125	150	175
	PEAK POWER (W) ▼▼	PPFD ( $\mu\text{mol} / \text{m}^2 / \text{s}$ )						
Horti 2 luminaire	200	1282 1856	505 783	260 432	154 269	103 182	73 131	55,5 98,6
Horti 2 luminaire (with O60 optics)	160	1121 1560	421 670	211 369	128 230	83,5 155	60 113	45 85
	120	632 1223	314 524	153 289	95 180	63 121	44,5 87	33,3 66

