

Horti 2 SQ



Horti 2 SQ is a luminaire designed to illuminate greenhouse crops, growboxes and potted plants. The housing is made of square-shaped cast aluminum. Thoughtful design and form of the lamp makes it easy to adapt it to illuminate crops in a limited space. A single luminaire and a set of 4 are available. The Horti 2 SQ lighting, uses a patented plant illumination system that is unique on a global scale. Horti 2 SQ was created with individual user needs in mind, so depending on your preferences, the luminaire is available in power variants: 100 W, 80 W, 60 W, 40 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 SQ CB	100 W / 20 W	210 $\mu\text{mol} / \text{s}$	I	65	08	54 W	Cannabis crops
Horti 2 SQx4 CB	400 W / 80 W	840 $\mu\text{mol} / \text{s}$	I	65	08	216 W	Cannabis crops

TECHNICAL PARAMETERS

Power supply: 230 V AC / 50-60Hz

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

Lifetime L80B50: above 85 000 h

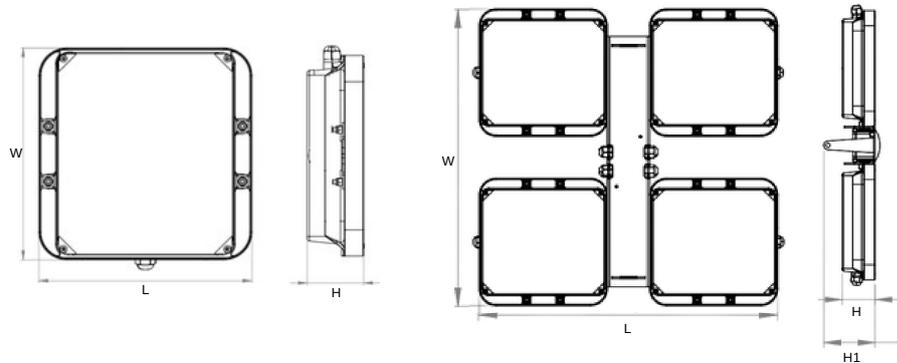
Power factor: >0,94 (full power)

Installation: suspended

Housing: aluminium, toughened glass

Cooling system: passive

Warranty: 5 years



Name	L (mm)	W (mm)	H (mm)	H1 (mm)	Weight (kg)
Horti 2 SQ	230	230	64	-	1,8
Horti 2 SQx4	536	536	64	100	8





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 SQ 23x23 luminaire (without optics)	100	942 1660	267 523	123 254	71 147	46 96,5	32 67,6	24 42
	80	728 1352	215 443	99 216	59,4 125	38 81	27 57	20 42
Horti 2 SQ 23x23 luminaire (Optics O60)	60	638 1064	169 356	80 170	46 99	30 64,5	21 45	16 33,7
	40	418 798	119 254	55,5 120	32 70	21 45	15 32	11 17,7

