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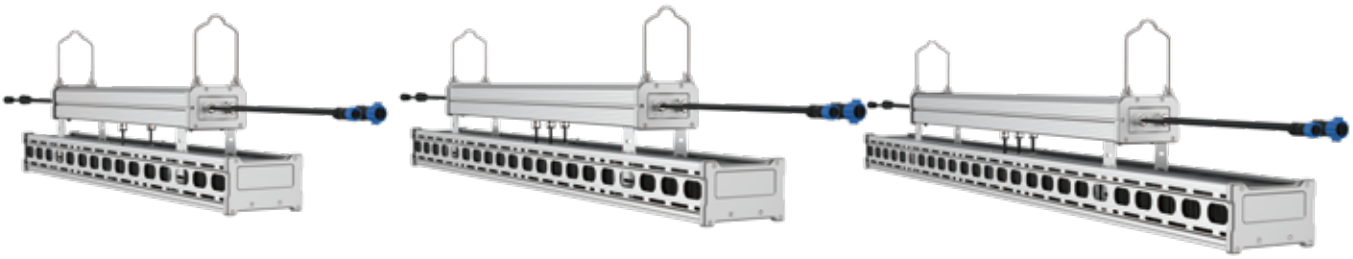
OSRAM

LED GREENHOUSE TOP LIGHTING

OPTV Linear SK02

Datasheet



IP67 RoHS

OPTV Linear SK02 designed for commercial horticulture, specifically for using as primary indoor lighting applications and supplemental of greenhouse lighting. With uniform, high PPF output and high efficacy, OPTV Linear SK02 deliver optimum performance, enabling the direct replacement of a 1000W HPS fixture at more than 40% energy savings.

Benefits

- IP67 Waterproof for long time working in damp environment
- Patented unibody heat-sink design, greatly improves the heat dissipation capability
- High and efficacy diodes make it spread powerful PPF for large grow area
- Optimum full spectrum F1 for whole grow cycle, and the spectrum V1 is also optional
- Slim and compact design contribute to a reduced shadow on plants, perfect for greenhouse supplemental lighting
- Quick and easy installation to save much time and labor cost

Applications

- Suitable for planting greenhouses, planting factories, circular art planting, planting en thusiasts, and indoor planting places.

LED GREENHOUSE TOP LIGHTING OPTV Linear SK02

Technical Data

Optical Specifications

	OPTV Linear SK02 400W	OPTV Linear SK02 550W	OPTV Linear SK02 700W
Power	400 W	550 W	700 W
Luminous Flux (lm)	62270 lm±10%	89439 lm±10%	107674 lm±10%
Efficacy	156 lm/w	161.5 lm/w	153.5 lm/w
CCT	1001K; 3500 K	1001K; 3500 K	1001K; 3500 K
CRI	CRI 26; CRI 80	CRI 26; CRI 80	CRI 26; CRI 80
SDCM	/	/	/
Beam Angle	120°	120°	120°

Electrical and Mechanical Specifications

Input Voltage	120-277 V AC 50/60Hz	120-277 V AC 50/60Hz	120-277 V AC 50/60Hz
Power Consumption	400 W	550 W	700 W
Power Factor	≥ 0.9	≥ 0.9	≥ 0.9
Surge protection	L-N:4KV,LN-G:6KV	L-N:4KV,LN-G:6KV	L-N:4KV,LN-G:6KV
Dimension (mm)	910 × 136.7 × 205.9	1210 × 136.7 × 205.9	1510 × 136.7 × 205.9
Weight (kg)	9.15 Kg	12.33 Kg	14.25 Kg
Optical	Conformal Coating	Conformal Coating	Conformal Coating
Housing	Aluminum	Aluminum	Aluminum
Color	Silvery	Silvery	Silvery

System Specifications

Power	AC power, 120-277 V AC 50/60Hz
Control	0-10V
Mounting	Hanging
Operating Temperature	-20°C to + 40°C
Storage Temperature	-20°C to + 60°C
Environment	Indoor, IP66
Lumen Maintenance	5 years warranty version: 36000H @ L70B50
Safety Approval	UL 8800, UL 1598 Wet-Location Rated, CE

Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from typical data.

Exceeding maximum ratings for operation voltage will cause hazardous overload and will likely destroy the LED module.

Exceeding maximum ratings for operation and storage temperature will reduce expected life time or destroy the LED module.

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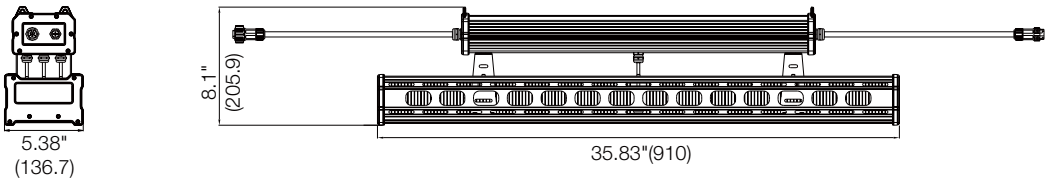
Specifications are subject to change without notice. Errors and omission excepted, always make sure to use the most recent release.

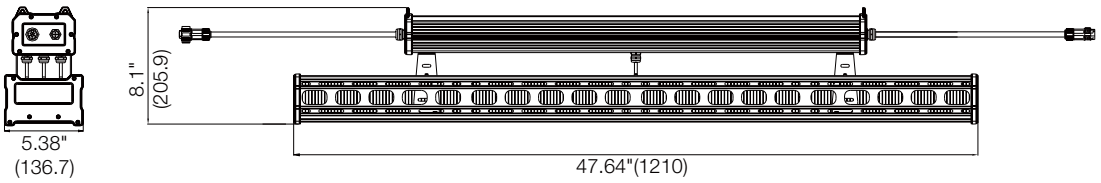
LED GREENHOUSE TOP LIGHTING OPTV Linear SK02

Dimensions (Unit: mm)

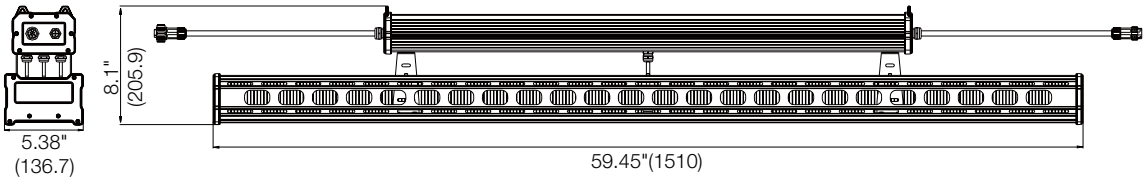
OPTV Linear SK02 400W



OPTV Linear SK02 550W



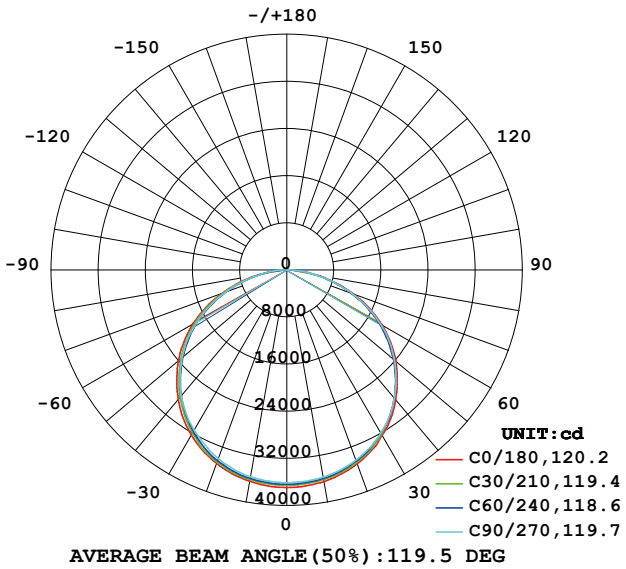
OPTV Linear SK02 700W



LED GREENHOUSE TOP LIGHTING OPTV Linear SK02

Photometrics

Light Distribution Curve



AVERAGE BEAM ANGLE(50%):119.5 DEG

Due to the manufacturing processes of LED, the polar candela distribution and distance luminaries only reflect statistical figures and do not necessarily correspond to the actual parameters of individual product that may differ from the typical values.

LED GREENHOUSE TOP LIGHTING OPTV Linear SK02

Ordering Codes

Fixture

Short Text	Power	CCT	Warranty	IC
OPTV Linear SK02 400W	400 W	1001K; 3500 K	5 years	GL23100107855
OPTV Linear SK02 550W	550 W	1001K; 3500 K	5 years	GL23100107955
OPTV Linear SK02 700W	700 W	1001K; 3500 K	5 years	GL23100108055