

# LED GREENHOUSE INTER LIGHTING

## OPTV Linear LG02 1K3

### Datasheet



The Latest ultra-thin inter grow light OPTV Linear LG02 1K3, 360° illumination angle, can help you save your electricity bill a lot

The sun is blocked by the plant wall? You may need our latest inter grow light OPTV Linear LG02 1K3 ! Our ultra-thin inter grow light owns K3 spectrum, wider illumination angle, higher light efficiency and can help you save your electricity bill a lot!

#### Benefits

- Up-close light supplement with low working surface temperature
- Bidirectional luminescence. There are LED chips on both sides of this model to supplement the plants on both sides
- High efficiency grow light with wide illumination angle of 220° each side
- IP66 for long time working in damp environment
- Daisy chain, up to 20 lights could be put together in a series
- Customized spectrum for tomatoes, cucumbers and other vines
- Increases yield and save energy

#### Applications

- Greenhouse growing for high-wire tomatoes and cucumbers
- Leafy greens and herbs growing
- Soft fruits and floriculture

# LED GREENHOUSE INTER LIGHTING OPTV Linear LG02 1K3

## Technical Data

### Optical Specifications

	OPTV Linear LG02 50W 1K3	OPTV Linear LG02 150W 1K3
Power	50 W	150 W
Luminous Flux (lm)	1822 lm±10%	5653 lm±10%
Efficacy	35.46 lm/w	37.69 lm/w
CCT	1001K; 99440 K	6500 K; 1001K; 99440 K
CRI	CRI 26; CRI 1.2	CRI 26; CRI 1.2
SDCM	/	/
Beam Angle	360°	360°

### Electrical and Mechanical Specifications

Input Voltage	200-400 V AC 50/60Hz	200-400 V AC 50/60Hz
Power Consumption	50 W	150 W
Power Factor	≥ 0.9	≥ 0.9
Surge protection	L-N:1KV, L,N-G:2KV	L-N:1KV, L,N-G:2KV
Dimension (mm)	1112 × 41.58 × 63.78	2412 × 41.58 × 63.78
Weight (kg)	1.4 Kg	2.8 Kg
Optical	Conformal Coating	Conformal Coating
Housing	Aluminum+plastic	Aluminum+plastic
Color	Silvery	Silvery

### System Specifications

Power	AC power, 200-400 V AC 50/60Hz
Control	On / off
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.

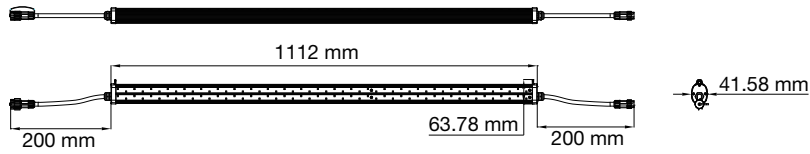
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Specifications are subject to change without notice. Errors and omission excepted, always make sure to use the most recent release.

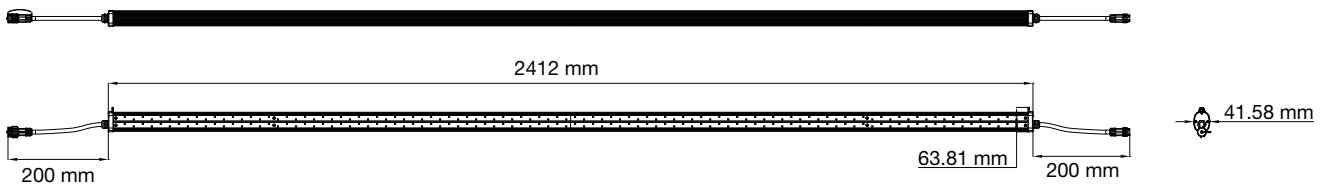
# LED GREENHOUSE INTER LIGHTING OPTV Linear LG02 1K3

Dimensions (Unit: mm)

OPTV Linear LG02 50W 1K3



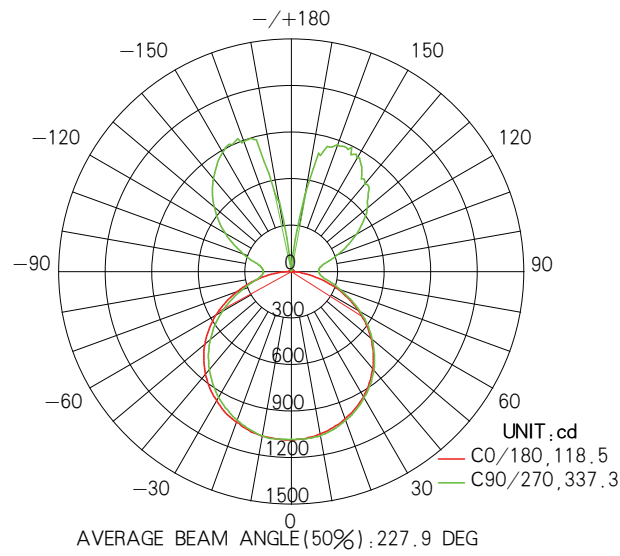
OPTV Linear LG02 150W 1K3



# LED GREENHOUSE INTER LIGHTING OPTV Linear LG02 1K3

## Photometrics

### Light Distribution Curve



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.

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## Ordering Codes

### Fixture

Short Text	Power	CCT	Warranty	IC
OPTV Linear LG02 50W 1K3	50W	1001K; 99440K	5 years	GL23100108855
OPTV Linear LG02 150W 1K3	150W	6500K; 1001K; 99440K	5 years	GL23100108955