

# Horti-Mars

## HL16



TECHNICAL DATASHEET

2020



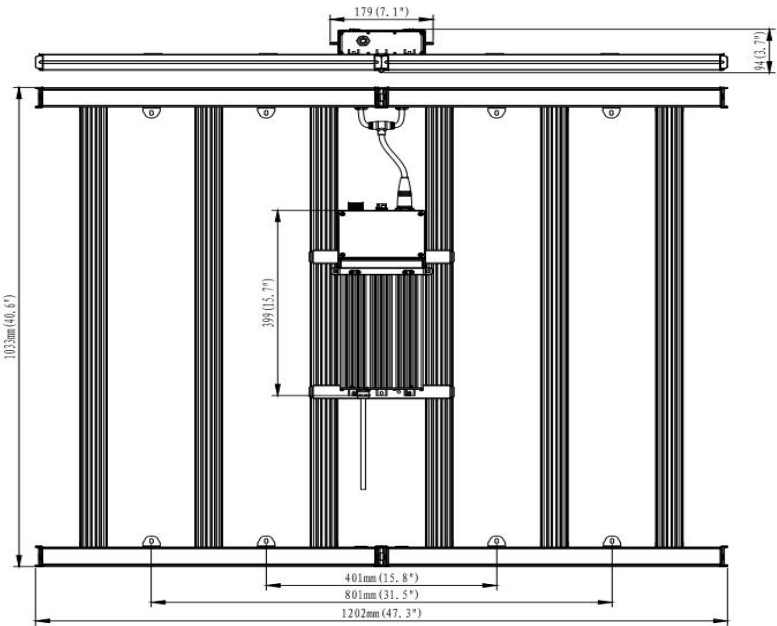
Product features

Housing material	Aluminum
Optics materials	Conformal coating
Radiation angle	120°
Protection degree	IP65 (dust and watertight)

Technical data

Power	600W ( ±5% )
Item No.	HL16
System efficacy	2.0-2.65umol/J ( ±5% )
PPF Output	1200-1590 umol/s
Power Input	100-240Vac, 277Vac, 50-60Hz
Current Range	6A @ 100V, 2.17A @ 277V
Isolation Class	Class I
Heat BTU Generated	2046 BTU
Dimming	0-10V

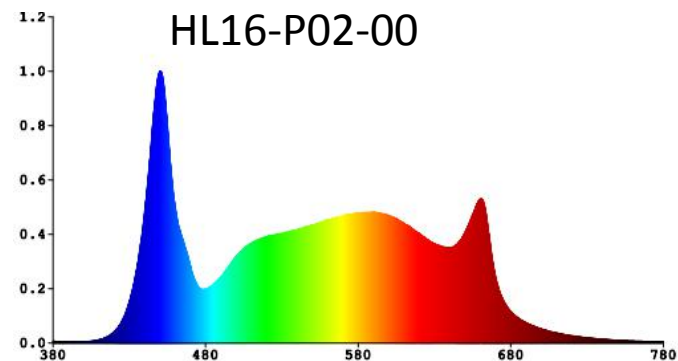
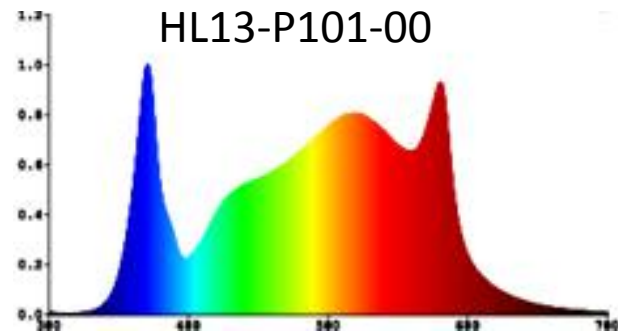
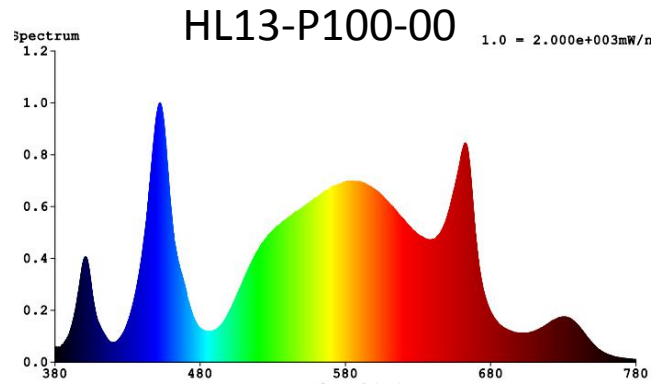
Drawing



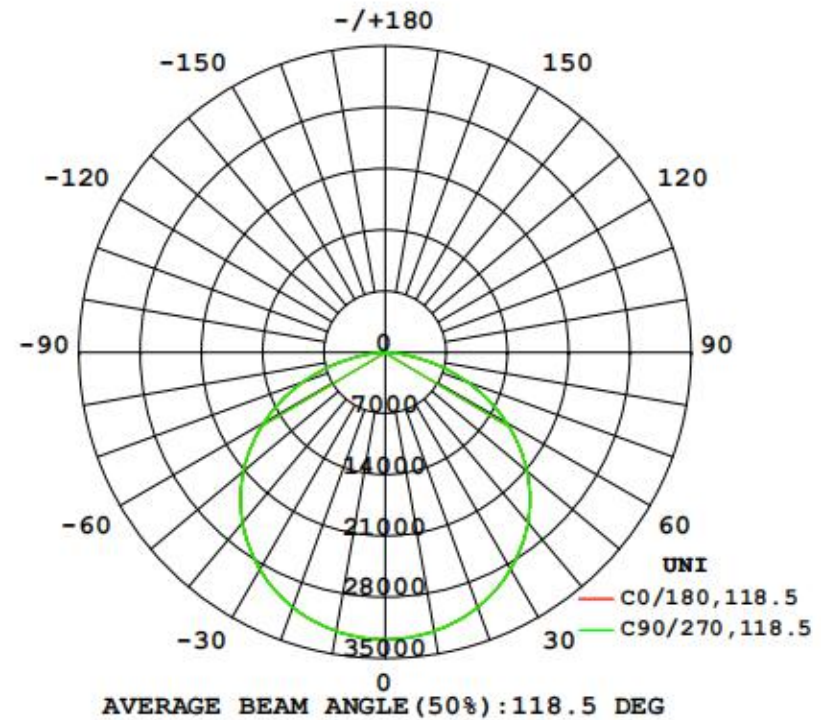
Dimensions	1033 x 1202 x 94mm 40.6" x 47.3" x 3.7"
Net Weight	9.5kg / 20.94lbs
Qty/CTN	1pc
G.W	12.5 kg / 26.56 lbs
CTN SIZE	1090 x 775 x 110mm 42.9" x 30.5" x 4.3"
Operation conditions	0°C to 40°C / 32°F to 104°F (95% RH)
Storage conditions	-40°C to 70°C / -40°F to 158°F (85% RH)
Warranty	5 years



## Horti-Mars optional spectrum Chart



## IES test



## Compliance

CE

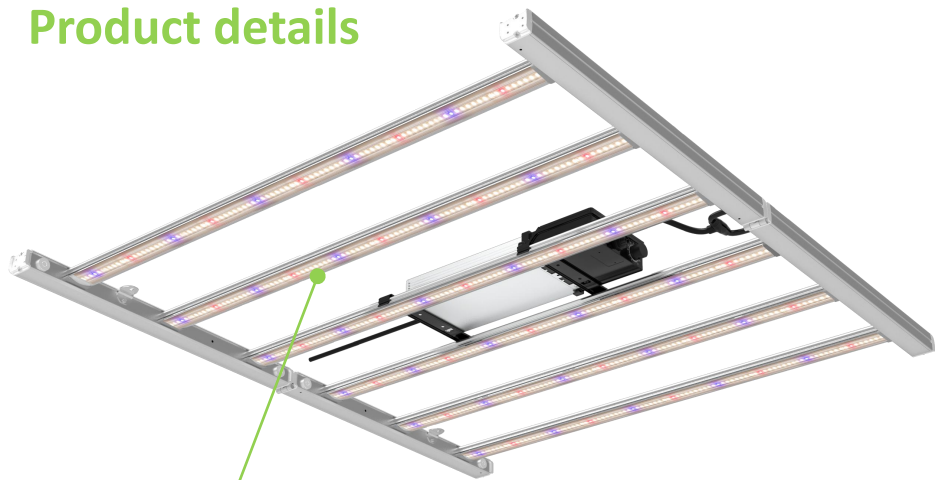
Low Voltage Directive (LVD)

Electromagnetic Compatibility Directive (EMC)

Restriction of Hazardous Substances (RoHS) Directive

\* typical values for stable operation at 25° C / 77° F ambient temperature

## Product details



### Conformal coating

- ✓ External driver, easy for maintenance and good for heat dissipation
- ✓ Design foldable type packaging way, it can help save shipping cost
- ✓ Match with Trolmaster control system

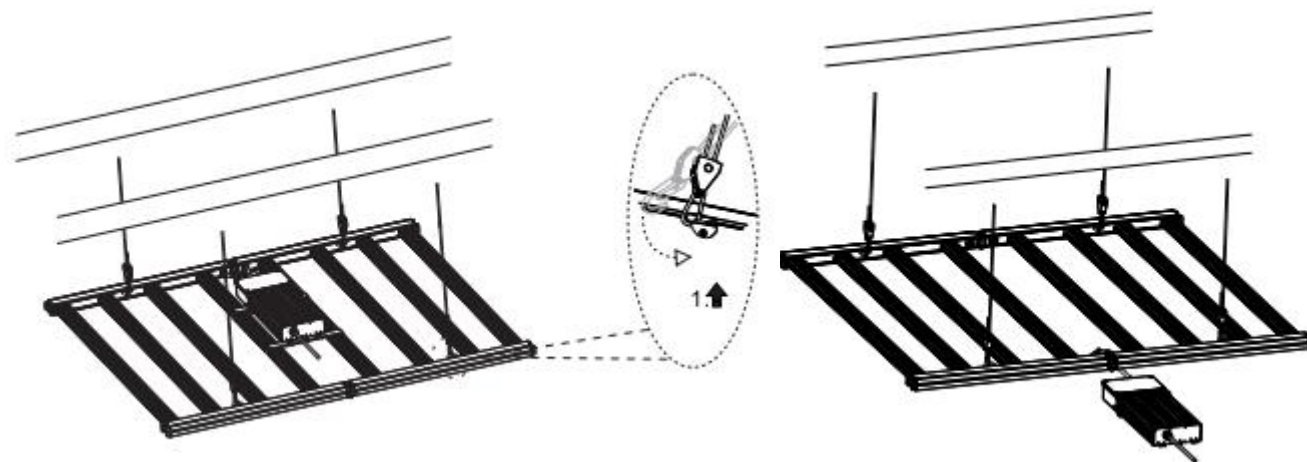
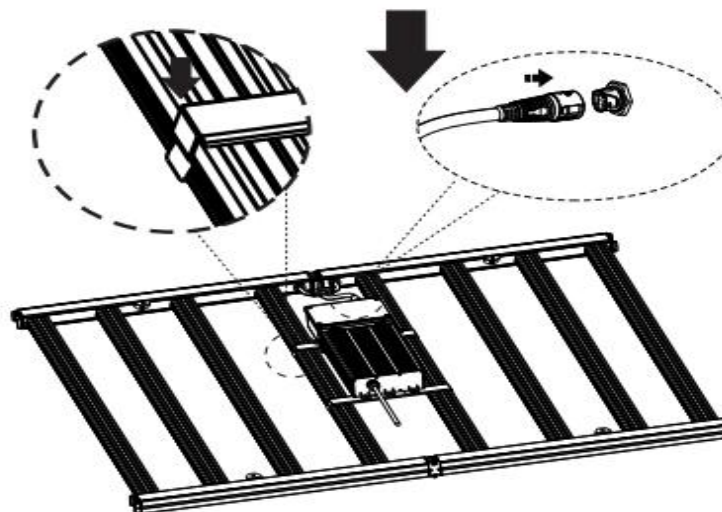
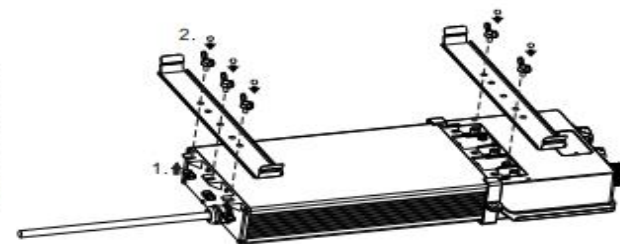
## Accessories

- ✓ 0-10V dimmer

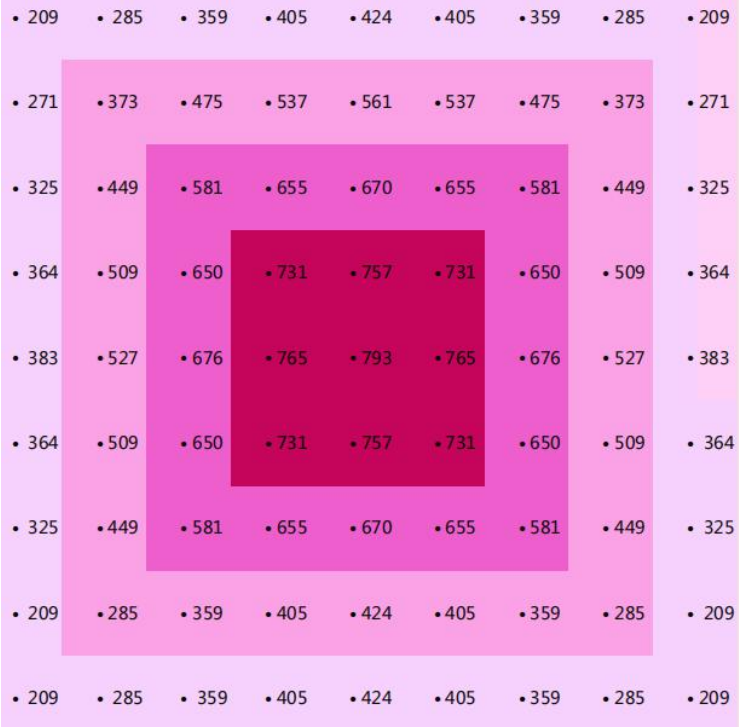


Hanging Rope \* 4 pcs

## Installation



PPFD



**Spectrum code:** HL13-P101-00  
**Cover area:** 1.2m x 1.2 m / 4' x 4'  
**Height fixture above canopy:** 45cm & 60cm / 18" & 24"  
**1 fixture needed for:** 1.44 m2 / 15.5 sqft

**PPFD value:**

600W 45cm/18"	600W 60cm/24"
Average: 604 $\mu\text{Mol}/\text{m}^2/\text{s}$	Average: 501 $\mu\text{Mol}/\text{m}^2/\text{s}$
Maximum: 1002 $\mu\text{Mol}/\text{m}^2/\text{s}$	Maximum: 793 $\mu\text{Mol}/\text{m}^2/\text{s}$
Minimum: 206 $\mu\text{Mol}/\text{m}^2/\text{s}$	Minimum: 209 $\mu\text{Mol}/\text{m}^2/\text{s}$

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