



Horti-Flag

HL12-300

TECHNICAL DATASHEET

2023



IP65
WATERPROOF



Product features

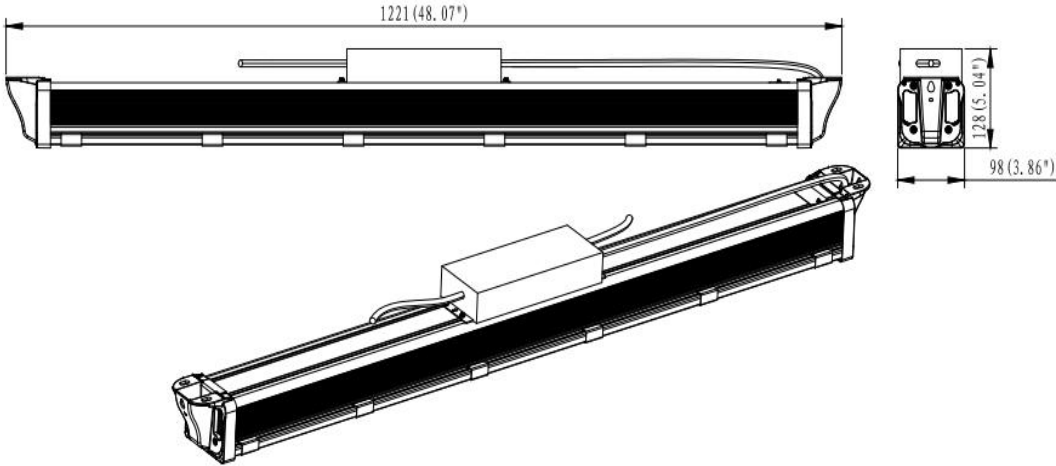
Housing material	Aluminum
Optics materials	Glass (transmission >92%)
Radiation angle	120°
Ingress Protection	IP65 (dust and watertight)

Technical data

Power consumption	300W
System efficacy (±10%)	2.8 umol/J@220Vac
PAR output	837 umol/s
ePAR output	855 umol/s
Voltage input	100-277Vac,50-60Hz
Current Range	3A @ 100V , 1.08A @ 277V
Isolation Class	Class I
Heat BTU Generated	1023 BTU
Power Factor	> 0.95
Dimming	0-10V

* The tolerance for power is ±3%

Drawing

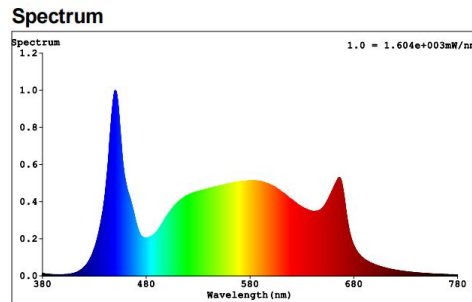


Dimensions	1221 x 98 x 128mm 48.03" x 3.86" x 5.03"
Net Weight	8 kg / 17.64 lbs
Qty/CTN	1 pc
Gross Weight	9 kg / 19.84 lbs
CTN Size	1310 x 185 x 225mm 51.6" x 7.3" x 8.86"
Operation conditions	0°C to 40°C / 32°F to 104°F (95% RH)
Storage conditions	-40°C to 70°C / -40°F to 158°F (85% RH)
Warranty	5 years

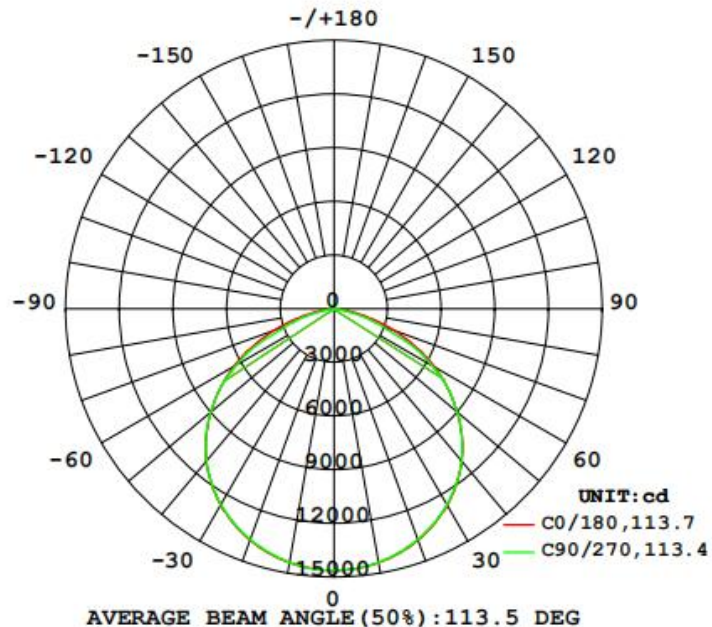
* The tolerance for weight is ±6%

Spectrum Chart

HL12-P02-B00



IES test



Mounting



or



Standard: 2*V cords
attach to 2*rope ratchet

Optional: Hanging
hook *2 pcs

HYDRO-X ENVIRONMENTAL CONTROL SYSTEM



Compliance

CE

ETL

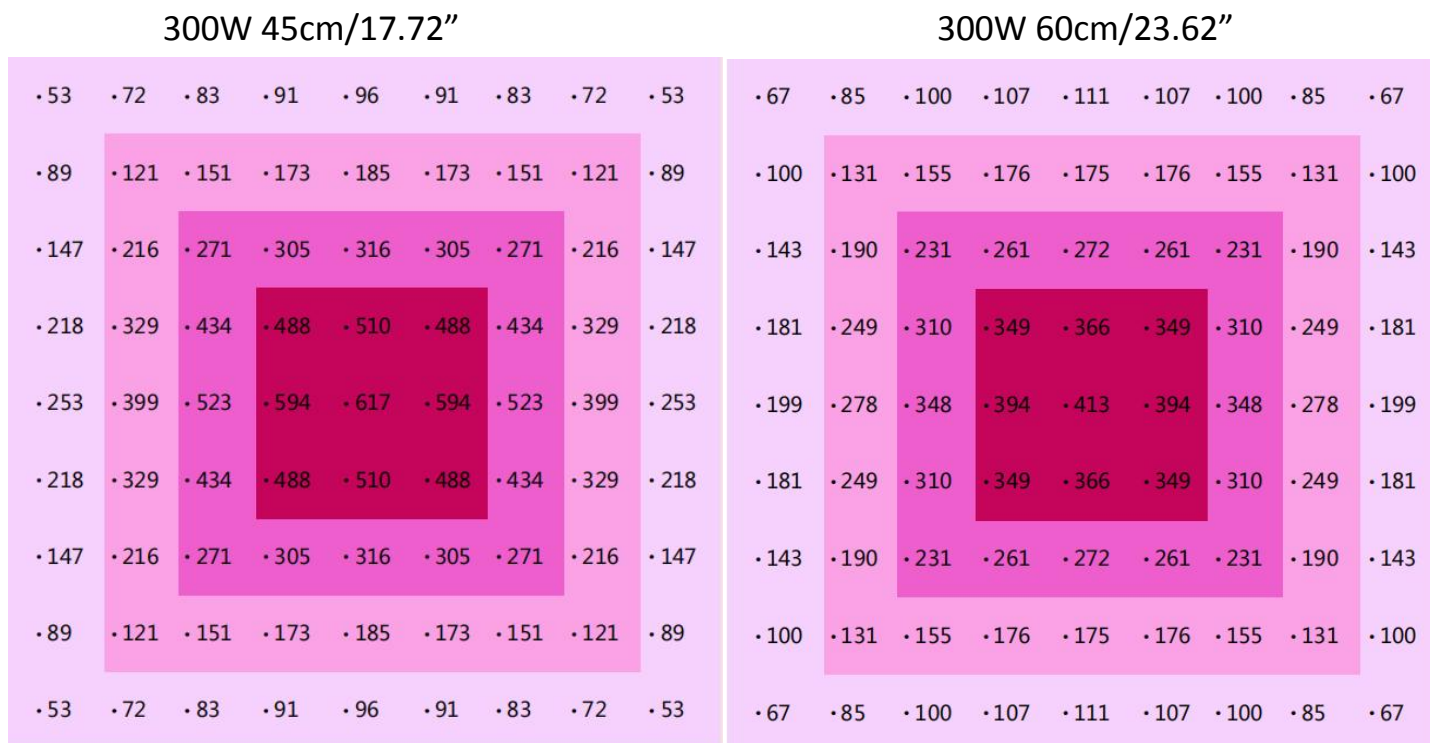
Low Voltage Directive (LVD)

Electromagnetic Compatibility Directive (EMC)

Restriction of Hazardous Substances (RoHS) Directive

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

PPFD test result (HL12-P65-00 only for reference)



Spectrum:

HL12-P65-00

Cover area:

1.2m x 1.2 m / 4' x 4'

Height fixture above canopy:

45 & 90 cm/ 18" & 36"

2 fixture needed for:

1.44m² / 15.5 sqft

PPFD value:

300W 45cm/17.72"

300W 60cm/23.62"

Average: 335 $\mu\text{Mol/m}^2/\text{s}$
 Maximum: 617 $\mu\text{Mol/m}^2/\text{s}$
 Minimum: 53 $\mu\text{Mol/m}^2/\text{s}$

Average: 240 $\mu\text{Mol/m}^2/\text{s}$
 Maximum: 413 $\mu\text{Mol/m}^2/\text{s}$
 Minimum: 67 $\mu\text{Mol/m}^2/\text{s}$

Technical Datasheet Designed and produced in the Atop Lighting. © 2023, Atop. All rights reserved.

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