

NutriLED SERIES LED HORTICULTURAL LIGHT



HUBBELL
Industrial Lighting

CAT.#		APPROVALS
JOB	TYPE	

SPECIFICATIONS

Applications -

- Energy efficient light source for plant growth
- Indoor grow house
- Supplemental lighting for outdoor plant growth

Construction:

- Extruded aluminum housing
- Clear acrylic lens
- Black painted aluminum end caps
- IP67 power connectors in each end
- Three industry standard TEE slots for mounting options

Electrical / Optics -

- Parabolic reflector for precise light distribution
- Clear acrylic lens to protect the reflector / LEDs
- 120v through 277v AC

Watts -

- Two foot unit = 31 watts
- Four foot unit = 62 watts

Amps -

- 0.65 Amps @ 120 VAC
- 0.28 Amps @ 277 VAC

LEDs -

- Red LEDs at spectral output of 660 nm
- Blue LEDs at spectral distribution of 460 nm
- Red to blue LEDs at a ratio of 2 to 1

Performance -

- Two foot unit (NGL12) is 50 $\mu\text{mol/s}$ output
- Four foot unit (NGL24) is 100 $\mu\text{mol/s}$ output
- Optimal LED life of 70,000 hours @ 25 °C

Thermal -

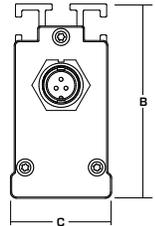
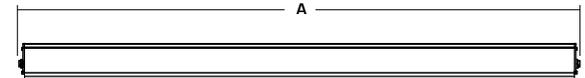
- Unit is qualified for operation in a 50°C [122°F] ambient environment

Listings -

- Listed to UL 1598 standard for light fixtures.
- Wet Location Listed

Warranty -

- Five years from date of purchase

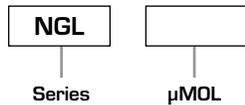


NGL	A	B	C
NGL 12	25.01"	3.08"	1.60"
NGL 24	49.01"	3.08"	1.60"



ORDERING INFORMATION

ORDERING EXAMPLE: NGL-12



SERIES

NGL NutriLED Horticultural Light

μMOL

12	50 $\mu\text{mol/s}$ two foot fixture
24	100 $\mu\text{mol/s}$ four foot fixture

ACCESSORIES (order as separate part#)

CIC3	Interconnect Cord 3'
CIC12	Interconnect Cord 12'
CP12-120	Cord and Plug 12 ft [120v Straight Blade Plug]
CHW12	12' Hardwire Cord Set
NLAC1	Aircraft cable Mounting Kit
NLAC2	Dual Aircraft Cable Mounting Kit

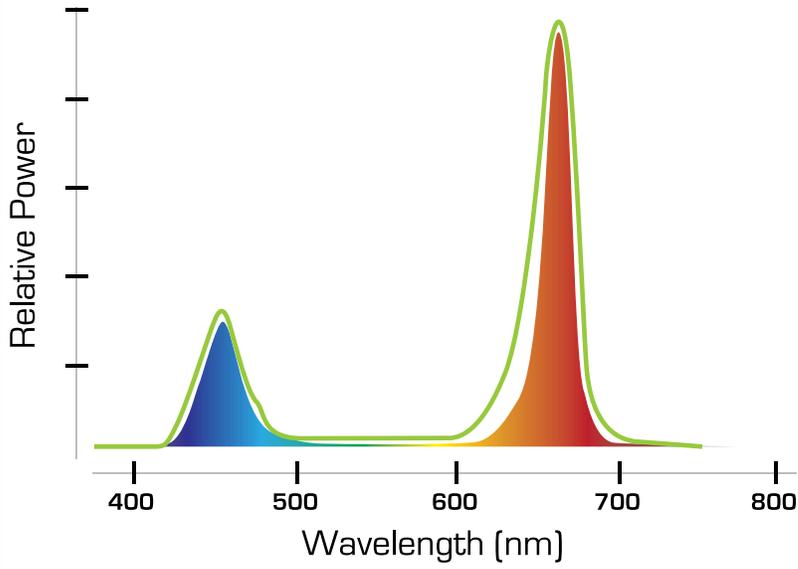
MOUNTING

Recommended mounting height & quantity of fixtures above plant for maximum growth rate and yield

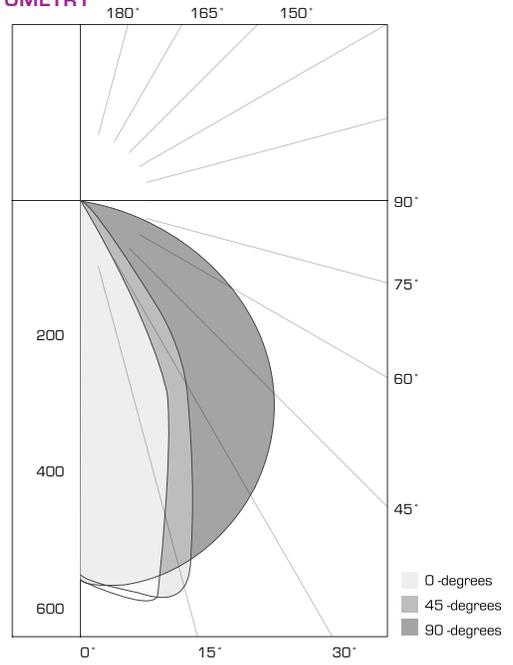
Mounting Height above Plants	Grow Cycle				Area of Coverage
	14/hr	18/hr	24/hr		
12"	2-Bars	2-Bars	1-Bar		5.25" ²
18"	3-Bars	2-Bars	2-Bars		8.5" ²
24"	3-Bars	3-Bars	2-Bars		11.83" ²
36"		5-Bars	4-Bars		16.12" ²

*Chart based on full sun plants. Adjust values as needed for your specific application

SPECTRAL DISTRIBUTION



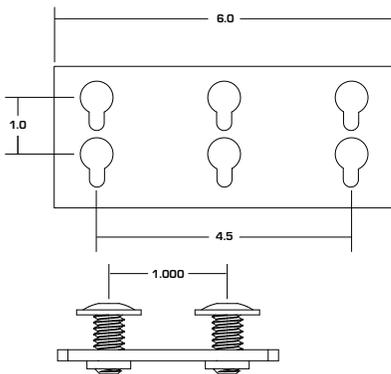
PHOTOMETRY



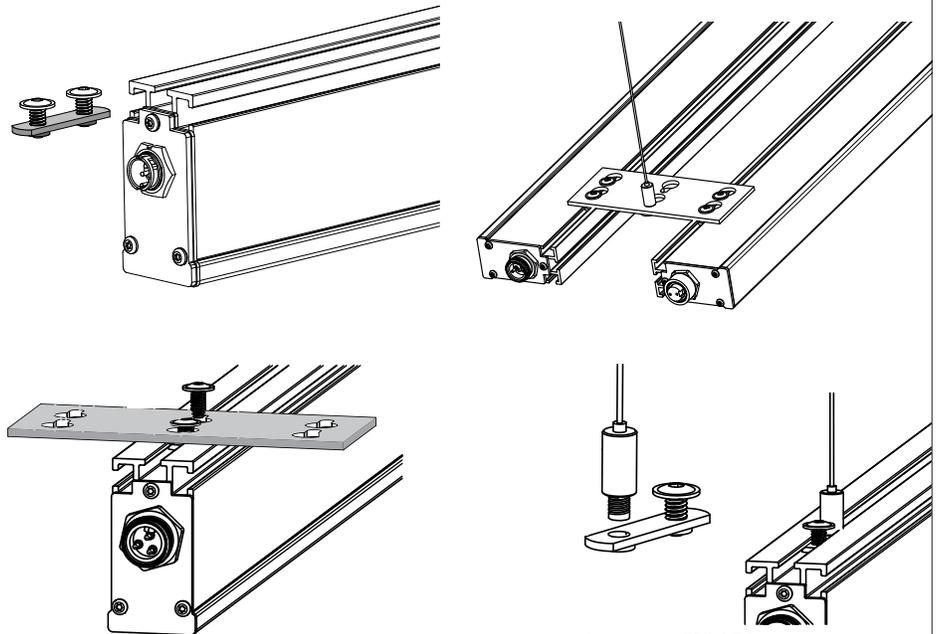
LIGHT ENERGY DISTRIBUTION



Mounting Accessories



Included with fixture



Accessory #NLAC1

Due to our continued efforts to improve our products, specifications are subject to change without notice.
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For more information visit our web site: <http://www.hubbellindustrial.com/>
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