

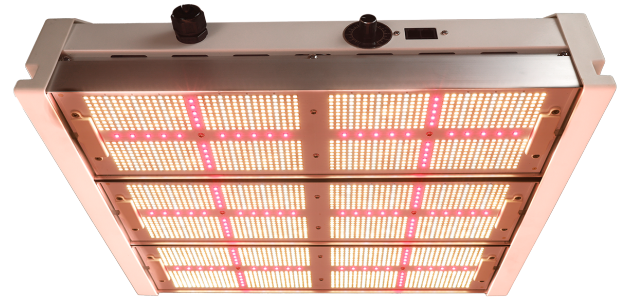
Product Description:

The GROW-J Series is our latest horticultural LED grow lights. The GROW-J1 provides high PPF output and light uniformity, utilizes a highly effective aluminum heat sink for optimal heat dispersion, smaller and more compact body with a smaller shade area ideal for higher nounted greenhouse lighting. The GROW-J1 is easy to install and offers a wide range of a broad spectrum, which is key for maximizing crop yields.



Features:

- **Application:** LED Horticulture Light
- **Mounting:** V-Hook
- **Warranty:** 3 Years
- **LED Source:** SMD 5050
- **Operating Temperature:** -4°F ~ 113°F
- **Driver:** Meanwell
- **Housing Material:** Die cast aluminum



Technical Data:

| | |
|-----------------------|---------------------------|
| Certifications | UL |
| Power Factor | ≥ 0.95 |
| IP Rating | IP65 |
| THD | ≤ 15% |
| Input Voltage | 120-277V, 50/60 Hz |
| PPE | 2.5 / 2.7 |

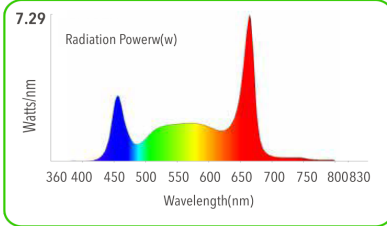
Specifications:

| Fixture Model | PPF(pbar) (μmol/s)(300-800nm) | PPF (μmol/s) 400-700nm | Luminaire Heat Output (W) | PPE (μmol/J) | Beam Angle |
|---------------|----------------------------------|---------------------------|------------------------------|-----------------|------------|
| GROW-J1-630W | 1,848.9 | 1790.1 | 2263 BTU/HR (0.663KWH) | 2.7 | 120° |
| GROW-J1-800W | 2,174.2 | 2105 | 2874 BTU/HR (0.842KWH) | 2.5 | |
| GROW-J1-1000W | 2,711.3 | 2625 | 3538 BTU/HR (1.05 KWH) | 2.5 | |

Data:

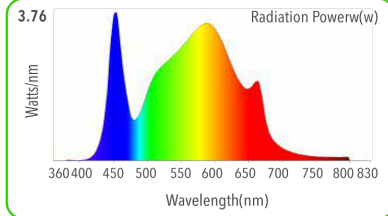
2.5 PPE

SPECTRAL POWER DISTRIBUTION



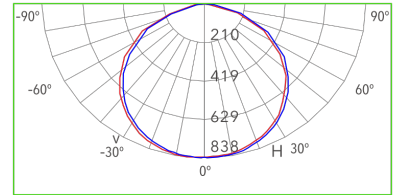
2.7 PPE

SPECTRAL POWER DISTRIBUTION



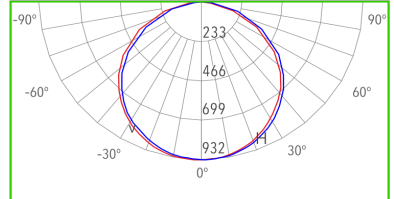
2.5 PPE

PPID(μmol/s/sr):(400nm-700nm)(LM-79-08)

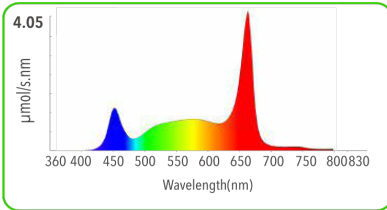


2.7 PPE

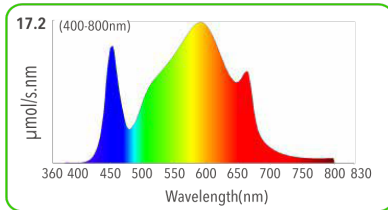
PPID(μmol/s/sr):(400nm-700nm)(LM-79-08)



PF_{PBAR}(μmol/s): 2711.3 (400-800nm)



PF_{PBAR}(μmol/s): 2927.8 (380-800nm)



2.5 PPE

PPFD VS MOUNTING HEIGHT AND COVERAGE AREA

Mounting Height 1000W

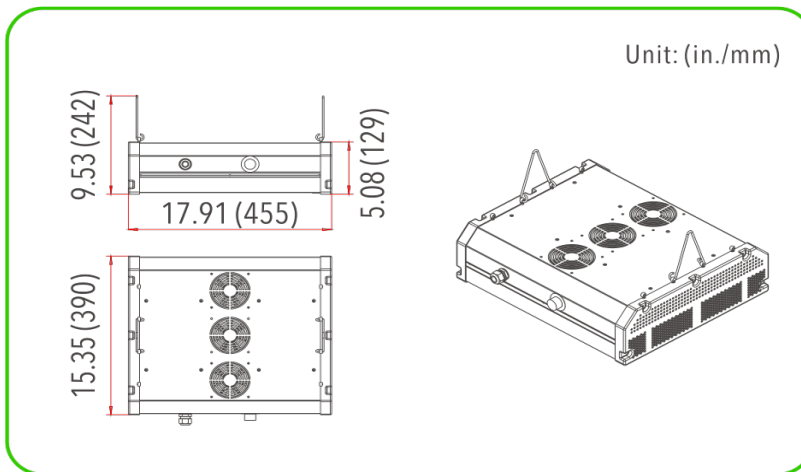
| Mounting Height (m) | PPFD Max./Ave (μmol/s/m²) | Coverage Area (m²) |
|---------------------|---------------------------|--------------------|
| 0.7m | 1769.5/452.9 | 4.32 |
| 1.0m | 867.1/221.9 | 8.81 |
| 1.5m | 385.4/98.6 | 19.82 |
| 2.0m | 216.8/55.5 | 35.23 |
| 3.0m | 96.3/24.7 | 79.27 |
| 4.0m | 54.2/13.9 | 140.92 |

2.7 PPE

PPFD VS MOUNTING HEIGHT AND COVERAGE AREA

Mounting Height 1000W

| Mounting Height (m) | PPFD Max./Ave (μmol/s/m²) | Coverage Area (m²) |
|---------------------|---------------------------|--------------------|
| 0.7m | 2062.9 / 548.6 | 4.32 |
| 1.0m | 1010.8 / 238.8 | 8.81 |
| 1.5m | 449.3 / 119.5 | 19.82 |
| 2.0m | 252.7 / 67.2 | 35.23 |
| 3.0m | 112.3 / 29.9 | 79.27 |
| 4.0m | 63.2 / 16.8 | 140.92 |



Ordering Guide:

| | | | | | | | |
|--|-----------------------------|-----------------------|-------------------------------|--|---|----------------------------|--|
| GROW-J1-630W | 120-277V | GR | V | GL | A | 120° | DM |
| Wattage: 630W 800W 1000W | Voltage: 120-277V | Color: Grey | Mounting: V: V-Hook | Lens: GL: Clear Glass CC: Conformal | Efficacy (μmol/J): A: PPE = 2.5 B: PPE = 2.7 | Beam Angle: 120° | Accessories*: DM: Dimming (0-10V) |

* Additional Costs Apply