

# ARTEMIS SERIES GL-01 LED GROW LIGHT

The Artemis Series GL-01 full spectrum LED grow lighting is the perfect combination of LED technology and scalable design for any grow facility.

The GL-01 is a high output, dimmable LED grow light that outperforms many metal halide grow lights that are on the market today. The pod design of this luminaire allows for even uninterrupted coverage across the entire plants canopy.

Offering the highest PPF to reach 1650  $\mu\text{mol/s}$  and EFF up to 2.5  $\mu\text{mol/J}$  effectively increase yield production of plant growth and save up to 40% in energy costs. As this is also a DLC listed and dimmable luminaire output settings can be achieved to meet local energy consumption and rebates.

## Product Features:

- IP66 Rated - Suitable for wet locations
- 120-277V operation
- Power Factor >0.9
- Convection Cooled (no moving parts)
- Proprietary thermal mitigation system
- Dimmable output, when paired with 0-10V Dimmers (NIC)
- Operational environment -40°C to 45°C (-40°F to 113°F)
- Full Spectrum LED Grow light solution
- Expandable - Pod system
- Daisy Chainable Wiring system
- Includes: Ratcheting Hanging system (2 point)
- UL Class 2 Driver
- cETLus Listed
- DLC Qualified
- Warranty 5 years and 1 day
- No cost technical support for the life of your product



*GL01-U650-08 shown above*

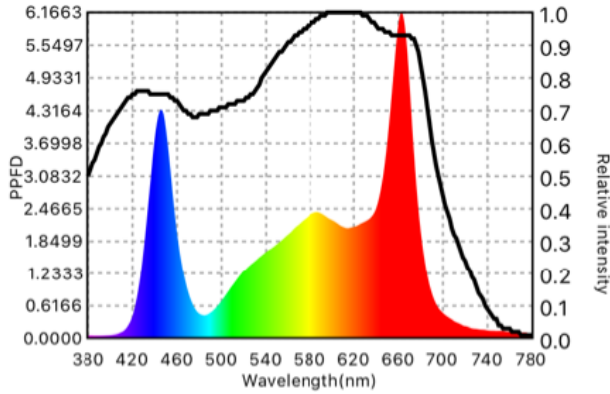


*GL01-U080-01 shown above*

Photometric Performance: AL-GL01- U650-08 @ 24"  
 (0.609M) Note all measurements taken at 80°F @ 55% Humidity  
 w. LED warm up time of 90 Min.

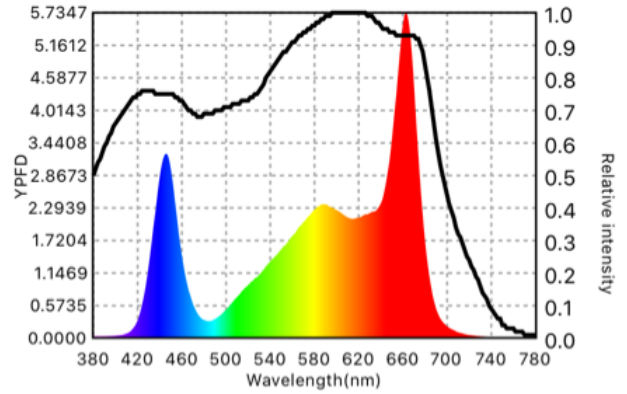
PPFD Spectrum

Ref:McCREEs Action Spectrum



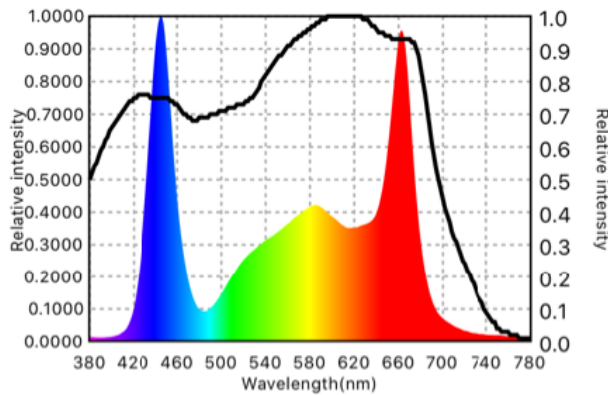
Weighted Spectrum

Ref:McCREEs Action Spectrum



Original Spectrum

Ref:McCREEs Action Spectrum



|     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|
| 142 |     |     | 249 |     |     | 235 |
|     | 247 |     | 330 |     |     | 258 |
|     |     | 385 | 460 |     | 403 |     |
|     |     |     | 522 | 527 | 525 |     |
| 307 | 392 | 501 | 555 | 564 | 563 | 511 |
|     |     |     | 542 | 555 | 550 |     |
|     |     | 424 | 489 |     | 460 |     |
|     | 269 |     | 390 |     |     | 303 |
| 140 |     |     | 291 |     |     | 188 |

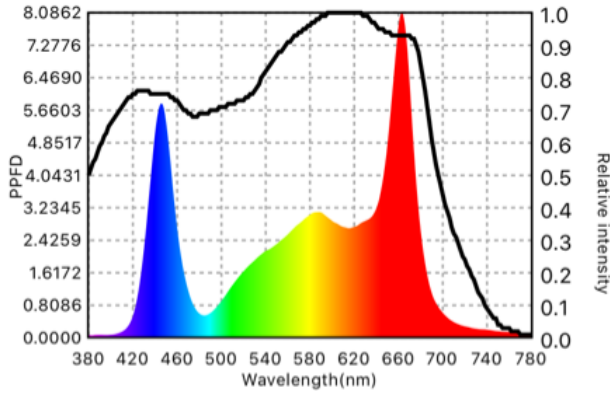
|             |                 |
|-------------|-----------------|
| Grow Light  | Altman Lighting |
| QTY         | 1               |
| Height      | 24"             |
| Average PAR | 394.303         |
| Max PAR     | 564             |
| Min PAR     | 140             |
| Watts       | 603             |
| Voltage     | 123             |
| Amb Temp    | 80F             |

Measurements taken at 24" high on a 48" x 48" grid

Photometric Performance: AL-GL01-U650-08 @ 18"  
 (0.45M) note all measurements taken at 80°F @ 55% Humidity  
 w. LED warm up time of 90 Min.

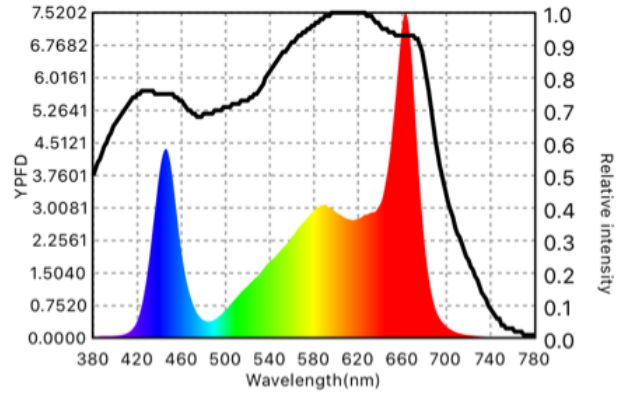
PPFD Spectrum

Ref:McCREEs Action Spectrum



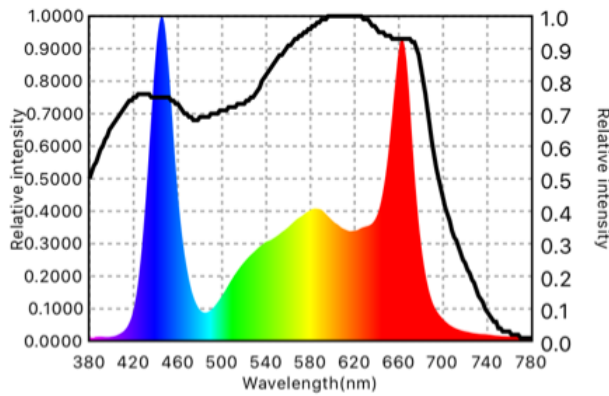
Weighted Spectrum

Ref:McCREEs Action Spectrum



Original Spectrum

Ref:McCREEs Action Spectrum



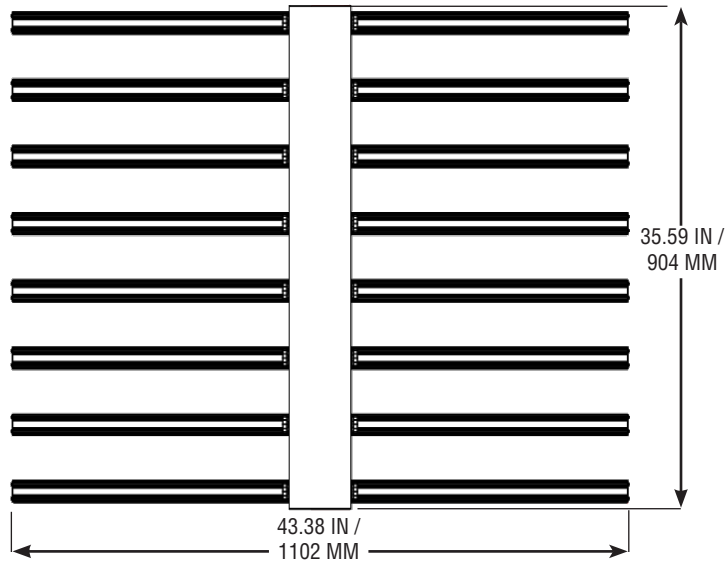
|     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 132 |     |     | 262 |     |     |     |     | 148 |
|     | 286 |     | 419 |     |     |     |     | 304 |
|     |     | 503 | 591 |     | 531 |     |     |     |
|     |     |     | 689 | 710 | 697 |     |     |     |
| 360 | 520 | 666 | 734 | 760 | 750 | 692 | 563 | 395 |
|     |     |     | 711 | 735 | 726 |     |     |     |
|     |     | 542 | 634 |     | 595 |     |     |     |
|     | 310 |     | 450 |     |     |     | 368 |     |
| 153 |     |     | 256 |     |     |     |     | 160 |

|             |                 |
|-------------|-----------------|
| Grow Light  | Altman Lighting |
| QTY         | 1               |
| Height      | 18"             |
| Average PAR | 495.515         |
| Max PAR     | 760             |
| Min PAR     | 132             |
| Watts       | 603             |
| Voltage     | 123             |
| Amb Temp    | 80F             |

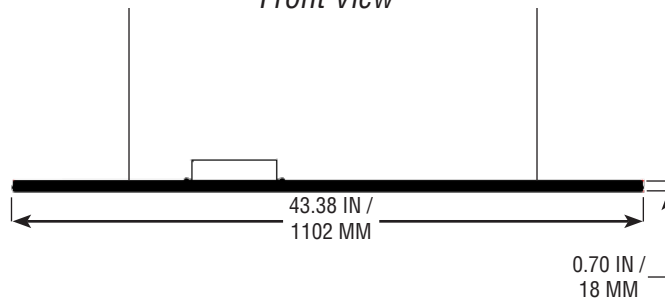
Measurements taken at 18" high on a 48" x 48" grid

Dimensions: AL-GL01-U650-08

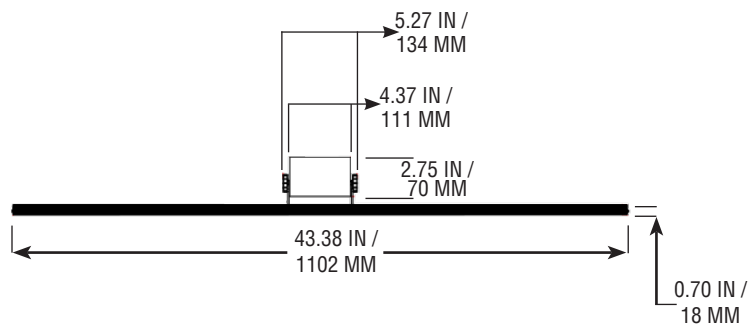
Top View



Front View

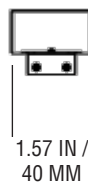


Side View



Dimensions: AL-GL01-U080-01

Single Unit



## Specifications

AL-GL01-U650-08

|                            |  |
|----------------------------|--|
| <b>Materials:</b>          | Construction is corrosion-resistant materials and hardware.  |
| <b>Control Dimming:</b>    | 0-10   |
| <b>Light Engine:</b>       | 64 LED Array Per Pod. (1,4,6 or 8 Pods) Depends upon Part Number   |
| <b>Max Par 18":</b>        | 760 (Center of Array)  |
| <b>LED Rated Life:</b>     | LED arrays are rated for >50,000 hours of operation.   |
| <b>Input Voltage:</b>      | 120 - 277 VAC 50/60 Hz   |
| <b>Wattage:</b>            | 603 Max output   |
| <b>Current Draw:</b>       | 4.9A at 120VAC / 2.17A at 277VAC   |
| <b>Quiescent Load:</b>     | 0.00166 AMP (.2 Watts) @ 120 VAC   |
| <b>Power Factor:</b>       | ≥ 0.9  |
| <b>Power Through:</b>      | Up to 4 Units at 120VAC*<br>Up to 8 units at 277 VAC*<br>*note: power through to be site determined via wire size, length of run, voltage drop, and circuit size |
| <b>LED Engine Cooling:</b> | Passive w. proprietary thermal mitigation system   |
| <b>Environment:</b>        | -40 to 45 degrees C (-40 to 113 degrees F) IP66 Wet location rated   |
| <b>Weight:</b>             | 14.78 lbs. (6.704 Kg.)   |
| <b>Body Color:</b>         | Silver   |
| <b>Compliance:</b>         | cETLus listed for indoor/outdoor use and CE marked DLC (QP1) Listed  |
| <b>Warranty:</b>           | 5 Years and 1 Day  |
| <b>Support:</b>            | Supported Forever - Free phone and online. Tech support for the life of your product.  |

*Notes: There are many aftermarket accessories for Altman-Lighting products available through third-party suppliers. When considering these aftermarket accessories, we suggest that you consult with your Altman Regional Sales Manager beforehand regarding capability and effects on product performance.*

## Ordering Information

### AL-GL01 Series

**AL-JW-GL01-U080-01:** 80 watt, 1 pod, 200 PPF(μmols/sec)  
120-277 VAC w. 0-10V Dim, IP66 Rated.

**AL-JW-GL01-U320-40:** 320 watt, 4 pod, 800 PPF(μmols/sec)  
120-277 VAC w. 0-10V Dim, IP66 Rated.

**AL-JW-GL01-U480-06:** 480 watt, 6 pod, 1200 PPF(μmols/sec)  
120-277 VAC w. 0-10V Dim, IP66 Rated.

**AL-JW-GL01-U650-08:** 590 watt, 8 pod, 1480 PPF(μmols/sec)  
120-277 VAC w. 0-10V Dim, IP66 Rated.

*Note: AL-GL01 series includes two (2) ratcheting / locking height adjustment tethers for hanging installation*