



ARTEMIS SERIES - RGL-01 SERIES  
LED Residential GrowLight  
Users Manual

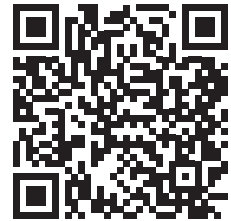


# Preface

The document provides basic information on installation and operational instructions for a qualified, trained installer. These instructions provide information for the following product:

## **AL-RGL01-CP1500**

Additional product information can be found on our web site at [www.altmanlighting.com](http://www.altmanlighting.com) or by scanning the QR code to the right.



## Have a question regarding this manual?

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Should you have a suggestion or question regarding your Altman Lighting product, we would love to hear from you.

You can reach us at:

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Note: Information contained in this document may not be duplicated in full or in part by any person without prior written approval of Altman Lighting. Its sole purpose is to provide the user with conceptual information on the equipment mentioned. The use of this document for all other purposes is specifically prohibited.

## Our Commitment

Altman Lighting continually engages in research related to product improvement. New materials, production methods and design refinements are introduced into existing products without notice as a routine expression of the philosophy. For this reason any current Altman Lighting product may differ in some respect from its published description, but will always equal or exceed the original design specifications unless otherwise noted.

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Product Luminaire Installation & User's Manual  
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# Important Information

## Product Safety Notices

When using electrical equipment, basic safety precautions should always be followed including the following:



1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
2. Do not mount near gas or electric heaters.
3. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
4. Operate only in approved environments. Do not operate outside unless product is designed to do so.
5. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
6. Do not use this equipment for other than intended use.
7. Refer service to qualified personnel.

SAVE THESE INSTRUCTIONS.

## Warnings



**WARNING:** You must have access to a main circuit breaker or other power disconnect device before installing any wiring. Be sure that power is disconnected by removing fuses or turning the main circuit breaker off before installation. Installing the device with power on may expose you to dangerous voltages and damage the device. A qualified electrician must perform this installation.

**WARNING:** Refer to National Electrical Code® and local codes for cable specifications. Failure to use proper cable can result in damage to equipment or danger to personnel.

**WARNING:** This equipment is intended for installation in accordance with the National Electric Code® and local regulations. Before any electrical work is performed, disconnect power at the circuit breaker or remove the fuse to avoid shock or damage to the control. It is recommended that a qualified electrician perform this installation.

**WARNING:** The structure where fixture(s) is to be mounted must be capable of supporting the weight of the fixture and its accessories. This fixture is for temporary, portable mounting only.

**WARNING:** The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

CE PRODUIT DOIT ÊTRE INSTALLÉ SELON LE CODE D'INSTALLATION PERTINENT, PAR UNE PERSONNE.

CONSULT A QUALIFIED ELECTRICIAN TO ENSURE CORRECT BRANCH CIRCUIT CONDUCTOR.  
CONSULTEZ UN ÉLECTRICIEN QUALIFIÉ POUR VOUS ASSURER QUE LES CONDUCTEURS DE LA DÉRIVATION SONT ADÉQUATS.

## FCC Notice

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

As with most Solid State equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

## Altman Lighting Product Warranty

### Warranty Terms

Altman Lighting, Inc., a subsidiary of Altman Stage Lighting Company, Inc., herein referred to as Altman, warrants each new product (except for spare parts or products Altman does not manufacture) for a period of FIVE (5) years and ONE (1) day from date of shipment to correct by repair or replacement any part defect due to faulty material or workmanship.

Altman warrants for NINETY (90) days any spare part it manufactures. On spare parts or products Altman does not manufacture, including, but not limited to, lamps, sockets, lenses, roundels, electronics, ignitors, ballasts, etc.; Altman will grant the same warranty given Altman by its vendors. Altman assumes no responsibility for damage or faulty performance caused by misuse, improper installation, careless handling or where repairs have been attempted by others. This warranty is in lieu of all warranties or guarantees expressed or implied and no representative or person is authorized to assume Altman any other liability with the sale of Altman's products.

Altman assumes no responsibility for damage or faulty performance caused by misuse, improper installation, careless handling or where repairs have been attempted by others.

This warranty is in lieu of all warranties or guarantees expressed or implied and no representative or person is authorized to assume Altman any other liability with the sale of Altman's products.

### Warranty Service

The customer must receive a Return Material Authorization (RMA) number prior to return, return shipment must be visibly marked with the RMA number and the product must be returned (shipping prepaid) to the factory at:

1400 East. 66th Avenue  
Denver, CO 80229 USA  
+1-303-500-7072  
[support@altmanlighting.com](mailto:support@altmanlighting.com)

The return must be within THIRTY (30) days of receiving the RMA from Altman. Altman warrants for NINETY (90) days any spare part it manufactures. On spare parts or products Altman does not manufacture, such as lamps, sockets, lenses, roundels, electronics, ignitors, ballasts, etc. Altman will grant the same warranty given Altman by its vendors.

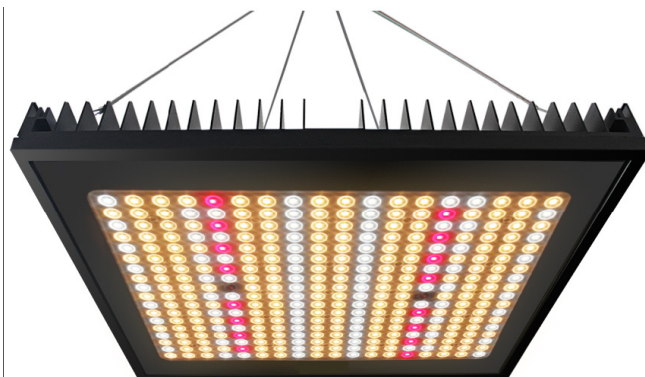
# Table Of Contents

Important Information	3
Product Overview	6
Components	6
Ordering Information	6
Included Accessories	6
Installation and Setup	7
Power Requirements	7
Connecting Power for RGL01	7
Mounting for RGL01	8
Cleaning and Care	9
Special Cleaning and Care Instructions	9
Service and Maintenance	9
Technical Specifications	10

## Product Overview

### Components

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RGL-01 shown above

### Ordering Information

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#### AL-RGL01 Series

**AL-RGL01-CP1500:** 155 watt, 324 LED, 630 PPF( $\mu\text{mol/s}$ ), 120-277 VAC w. IP65 Rated convection cooled horticultural lighting fixture.

*Note: AL-RGL01 series includes One (1) four way aircraft cable hanging system, with spring clip.*

### Included Accessories

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Ratcheting Pulley



Mounting Slings x 4

*Note: Once the unit is set to its desired height it is highly recommended to use a safety cable type suspension device to alleviate tension off of the Ratcheting Pulley system.*

*Note: Do not hang any additional items using the Ratcheting suspension system. This system is only intended for the height adjustment of the RGL01 luminaire.*

# Installation and Setup

## Power Requirements



Before performing any field wiring, refer to and read the warnings contained in “Important Information” on page 3.



Luminaire not suitable for covering with thermally insulating material.



Please carefully read the User Manual before installation, and make sure there is no damage on the AC input cable and the connector.



The light source contained in this luminaire shall only be replaced by the Altman Lighting or Altman Service Center



Working temperature: -20°C~45°C, storage temperature: -30°C~60°C



The RGL01 operates on 100 to 305VAC, single phase only and draws a maximum of 150 Watts. This luminaire only offers ON or OFF operation and should never be connected to a dimmer or a dimmer-controlled circuit (even if the dimmer is set to NON DIM mode).

## Connecting Power for RGL01

The RGL01 Light is supplied with a five-foot, three conductor jacketed AC input tail. This tail can be connected to any single-phase 100 to 305 VAC power source either via direct connection in a junction box or a user-supplied and properly rated AC input connector (by others).

WIRE COLOR	PURPOSE
Brown or Black	Main / (L)ine
Blue or White	(N)eutral
Green/Yellow or Green	Ground / Earth



**IMPORTANT!** The fixture must be connected to and properly grounded to a viable earth ground.

## Mounting for RGL01

Step 1: Fasten the four wire slings to the mounting holds on the fixture. Figure 2

Step 2: Attach wiring slings to the Rope Pulley. Figure 3

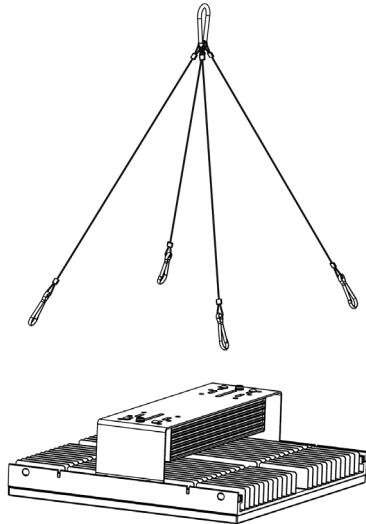


Figure 2

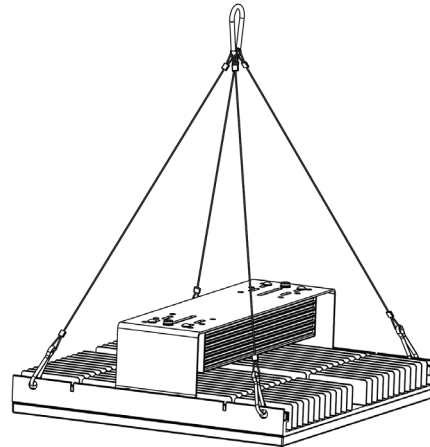


Figure 3



Make sure the that the installation location can bear ten times the weight of the product before installation



Install the fixture in a flat place with no vibration, swing or fire hazard



## Cleaning and Care



**WARNING!** All cleaning should be performed with power completely removed from the luminaire. Never remove protective covers when luminaire is powered. Wear appropriate protective eye wear and gloves when cleaning the fixture. All service and maintenance, other than described herein, should be performed by a qualified technician or Authorized Service Center. **AT NO TIME SHOULD THE LED BE TOUCHED.**

### Special Cleaning and Care Instructions

Being a solid-state fixture, and unlike most fixtures, the RGL-01 Light requires very little routine maintenance by the user



**WARNING!** Under no circumstances should ammonia-based cleaners, acetone, or other harsh solvents be used on or near the RGL-01 Fixture. These types of cleaners or solvents can permanently damage the fixture.

If you have any questions regarding the use or care of your RGL-01, please contact Altman Lighting technical support ([support@altmanlighting.com](mailto:support@altmanlighting.com)) or your local Authorized Dealer.

**IMPORTANT!** The Altman Lighting RGL-01 Light is a solid state, convection cooled luminaire. As with any solid state luminaire it is important that these units not run in a continuous 24/7 operation but be allowed sufficient OFF time during their operation.

### Service and Maintenance

**IMPORTANT!** For all other service and maintenance issues, please contact your local Altman Lighting office at [support@altmanlighting.com](mailto:support@altmanlighting.com)



**WARNING!** Disassembly (other than as described herein), alterations, unauthorized service, etc. will void the product warranty. Contact your local Altman Lighting office

# Technical Specifications

<b>Materials:</b>	Construction is corrosion-resistant materials and hardware.
<b>Control:</b>	On / Off Only
<b>Light Engine:</b>	324 LED multifaceted array
<b>Max Par 18":</b>	634 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>	155 Max output
<b>Current Draw:</b>	1.2A at 120VAC / .55A at 277VAC
<b>Quiescent Load:</b>	N/A
<b>Power Factor:</b>	≥ 0.9
<b>LED Engine Cooling:</b>	Passive w. proprietary thermal mitigation system
<b>Environment:</b>	40 to 45 degrees C (-40 to 113 degrees F). IP65 Wet location rated
<b>Weight:</b>	8.01 lbs. (3.646Kg.)
<b>Dimensions:</b>	13.34" x 12.59" x 5.31" (350 x 320 x135mm.)
<b>Body Color:</b>	Black
<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.

*Note: 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.*