

# RGC LED Specifications



NOTE: Standard Package comes with Folding Frame, BLS Spectrum, Conformal Coated PCB, 10' Cord, RJ12, and Plug Ready Whip

RGC Specs	
<b>Spectrum</b>	BLS (Broad Light Spectrum)
<b>PPF</b>	≥ 864 - 2,160 μmol/s
<b>Input Power</b>	320 - 800W
<b>Efficacy</b>	≥ 2.7 μmol/J
<b>Input Voltage</b>	100-277V, 347V, & 480V
<b>Weight</b>	29 lbs (Including Drivers)
<b>Width</b>	47"
<b>Depth</b>	47"
<b>Height</b>	3.5"
<b>Max Ambient Temperature</b>	95°F / 35°C
<b>Dimming</b>	0-10 VDC
<b>Beam Angle</b>	120°
<b>Lifetime L90</b>	50,000 hours
<b>Power Factor</b>	>90%
<b>Warranty</b>	5 Year Standard Warranty

RGC - Electrical Load (A)								
MODEL	System Watts	120V	208V	220V	240V	277V	347V	480V
<b>RGC 4A</b>	320	2.66	1.53	1.45	1.33	1.15	0.92	0.66
<b>RGC 4B</b>	400	3.33	1.92	1.81	1.66	1.44	1.15	0.83
<b>RGC 8A</b>	640	5.33	3.08	2.91	2.67	2.31	1.84	1.33
<b>RGC 8B</b>	800	6.67	3.85	3.64	3.33	2.89	2.31	1.67

## Ordering Information

MODEL	VOLTAGE	FINISH	DIMMING OPTIONS	CORD OPTIONS	OPTIONS	PLUG OPTIONS
<b>RGC 4A</b> 320W	<b>UNV</b> 120 to 277	<b>WH</b> White	<b>RJ12</b> Type 12 Registered Jack Connector	<b>15CD</b> 15' cord	<b>RMDR</b> Remote Driver Compartment	<b>N5</b> 110 - 120V Plug NEMA 5 - 15P
<b>RGC 4B</b> 400W	<b>8</b> 347V	<b>BL</b> Black	<b>WVC</b> Wireless Control		*Please see Remote Driver spec sheet for Ordering info. Cable length, type, and qty. must be specified at time of order.	<b>N6</b> 220 - 240V Plug NEMA 6 - 15P
<b>RGC 8A</b> 640W	<b>5</b> 480V	<b>CC</b> Custom Color			<b>GL</b> Glass Lens	<b>NL7</b> 277V Plug NEMA L7 - 15P
<b>RGC 8B</b> 800W					<b>AL</b> Acrylic Lens	<b>NL24</b> 347V Plug NEMA L24 - 20P
						<b>NL8</b> 480V Plug NEMA L8 - 20P

Introducing the new RGC from RapidGrow LED Technologies Inc. The RGC allows the client to create a custom, made-to-order grow lighting package for high PPFd applications. A dedicated heat sink for each LED light engine maximizes the thermal management characteristics of the RGC series. The RGC Series is a high-performance LED luminaire for use in horticultural grow operations. Superior thermal management allows for maximum PPF output. All aluminum construction provides years of reliable operation. Control your fixture to the exact wattage you need for your particular license or power allotment.

### Housing

The LED light engines are constructed of heavy-duty aluminum, with heat radiating fins. The driver compartment allows for easy access, cooler operation and longer life.

### Quali-Guard® Finish

- The finish is a Quali-Guard® textured, chemically pretreated through a multiple-stage washer, electrostatically applied, thermoset polyester powder coat finish, with a minimum of 3-5 millimeter thickness. Finish is oven-baked at 400° F to promote maximum adherence and finish hardness. All finishes are available in standard and custom colors.
- Finish is guaranteed for five (5) years.

### Thermal Management

The RGC Series has a low thermal resistance rating. The heat radiating fins create superior thermal management results. The L90 test determines the point in an LEDs life when it reaches 90 percent of its initial output. The RGC Series LEDs have been determined to last a minimum of 50,000 hours in 25°C environments.

### Mounting

Available standard for:

- 4 - Point Cable Mounting (Mounting cables not included)

### Electrical Assembly

The RGC Series is supplied with an adjustable current high-performance LED driver that accepts 100V to 277V or 347V to 480V, 50 Hz to 60 Hz input. Power factor of ≥ 90%. 10 kV surge protector supplied as standard.

### Standard Equipment

- Folding Fixture Configuration
- Conformal Coated PCB (No Lens)
- 10' Power Cord
- 0 - 10V Dimming Driver
- RJ12 0 - 10V Dimming Input
- Plug Ready Whip (No Plug)
- 4 - Point Cable Mounting (Mounting cables not included)

Any option outside of standard equipment will require a price adjustment

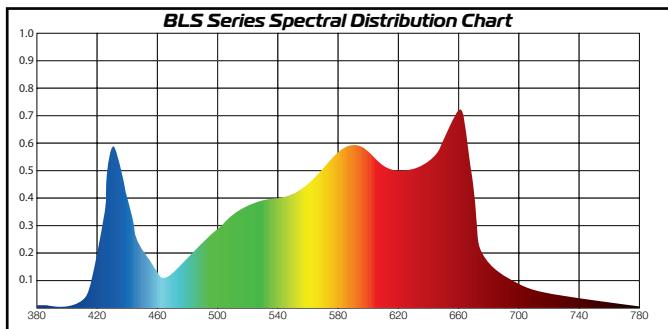
### Warranty

- Five (5) year Limited Warranty For full warranty information, please visit [RapidGrowLED.com](http://RapidGrowLED.com).

### Listings

- UL/cUL listed suitable for damp locations
- UL 8800
- Powder Tough™

### Spectrum



RGC Dimensions			
MODEL	X	Y	Z
RGC-4A	47"	47"	3.5"
RGC-4B	47"	47"	3.5"
RGC-8A	47"	47"	3.5"
RGC-8B	47"	47"	3.5"

