

RGC LED Specifications



RGC Specs	
Spectrum	BLS (Broad Light Spectrum)
PPF	≥ 832 - 2,080 μmol/s
Input Power	320 - 800W
Efficacy	≥ 2.6 μmol/J
Input Voltage	100-277V, 347V, & 480V
Weight	29 lbs (Including Drivers)
Width	47"
Depth	47"
Height	3.5"
Max Ambient Temperature	95°F / 35°C
Dimming	0-10 VDC
Beam Angle	120°
Lifetime L90	50,000 hours
Power Factor	>90%
Warranty	5 Year Standard Warranty

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

Quantity of Daisy Chained Fixtures Allowed on a 20A Breaker								
MODEL	System Watts	120V	208V	220V	240V	277V	347V	480V
RGC 4A	320	6	10	10	12	13	17	24
RGC 4B	400	4	8	8	9	11	13	19
RGC 8A	640	2	5	5	5	6	8	11
RGC 8B	800	2	4	4	4	5	6	9

Ordering Information

MODEL	FRAME	SPECTRUM	VOLTAGE	DIMMING	CORD	FINISH	PLUG OPTIONS	LENS OPTIONS
RGC 4A 320W	FLD Folding Frame	BLS Broad Light Spectrum	UNV 120 to 277	RJ12 Type 12 Registered Jack Connector	10CD 10' cord 15CD 15' cord	WH White	N5 110 - 120V Plug NEMA 5 - 15P	GL Glass Lens
RGC 4B 400W	*Not available RMDR		8 347V	VWC Wireless Control	DCHN - 3 3' Daisy Chain Whips DCHN - 6 6' Daisy Chain Whips *Please see Daisy Chain Plug Whip Spec Sheet	CC Custom Color	N6 220 - 240V Plug NEMA 6 - 15P NL7 277V Plug NEMA L7 - 15P	PCL Polycarbonate Lens (Food Grade)
RGC 8A 640W	RMDR Remote Driver Compartment		5 480V				NL24 347V Plug NEMA L24 - 20P NL8 480V Plug NEMA L8 - 20P	*Consult Engineering
RGC 8B 800W	*Not available with folding				Plugs not available for DCHN		NP No Plug Plug Ready Whip	

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 plant type 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

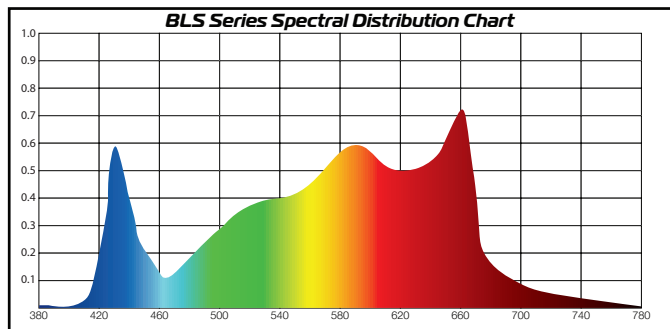
The RGC Series has a low thermal resistance rating. The heat radiating fins create superior thermal management results. The L90 test determines the point in an LEDs life when it reaches 90 percent of its initial output. The RGC Series LEDs have been determined to last a minimum of 50,000 hours in 25°C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

Mounting

Available standard for:

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

Spectrum

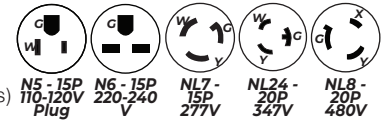


Electrical Assembly

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.

Listings

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

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"

