

RPL Series LED Specifications



*RPL - 8 with Green Light pictured above

* NOTE: Standard Package comes with Removable Bars, 10' Cord, RJ12, YH5, Plug Ready Whip (NP), and White Finish.

RPL Specs	
Spectrum	SOL / RPL (+ UV)
PPF	≥ 1,125- 3,000 μmol/s
Input Power	450W- 1200W
Efficacy	≥ 2.5μmol/J
Input Voltage	100-277V, 347V, & 480V
Weight	20-35 lbs (Including Drivers)
Max Ambient Temperature	95°F / 35°C
Dimming	0-10V RJ12 / Wireless Controls
Beam Angle	120°
Lifetime L90	60,000 hours
Power Factor	> 90%
Warranty	5 Year Standard

RPL Electrical Load (A)								
MODEL	System Watts	120V	208V	220V	240V	277V	347V	480V
RPL - 3	450	3.75	2.16	2.04	1.87	1.62	1.29	0.93
RPL - 4	640	5.33	3.07	2.90	2.66	2.31	1.84	1.33
RPL - 6	900	7.50	4.33	4.09	3.75	3.25	2.59	1.88
RPL - 8	1200	10.00	5.77	5.45	5.00	4.33	3.46	2.50

Quantity of Daisy Chained Fixtures Allowed on a 20A Breaker								
MODEL	System Watts	120V	208V	220V	240V	277V	347V	480V
RPL - 3	450	4	7	7	8	9	12	17
RPL - 4	640	2	5	5	5	6	8	11
RPL - 6	900	2	4	4	5	6	7	10
RPL - 8	1200	1	3	3	3	4	5	7

Ordering Information

MODEL	FRAME	SPECTRUM	VOLTAGE	MOUNTING	DIMMING	CORD	FINISH	PLUG OPTIONS	OPTIONS
RPL-3 450W	FW Fixed Wing	RPL Full Spectrum High Blue with UV	UNV 120 to 277	CBM-YH5 Cable Mount	RJ12 Type 12 Registered Jack Connector	10CD 10' cord	WH White	N5 110-120V Plug NEMA 5-15P	GNLT Green Work Light
RPL-4 640W			8 347V	*2 point Inline Mounting	VWC Wireless Control	15CD 15' cord	CC Custom Color	N6 220-240V Plug NEMA 6-15P	
RPL-6 900W		SOL Full Spectrum High Blue	5 480V	included (1-5' Adjustable) Mounting Hardware		DCHN - 3 3' Daisy Chain Whips		NL7 277V Plug NEMA L7-15P	
RPL-8 1200W	*Leave selection blank for removable wings					DCHN - 6 6' Daisy Chain Whips		NL24 347V Plug NEMA L24-20P	
						*Please see Daisy Chain Plug Whip Spec Sheet Plugs not available for DCHN		NL8 480V Plug NEMA L8-20P	
								NP* Plug Ready Whip No Plug	

RPL Series

DLC Horticulture Listed for maximum utility rebates. The RPL Series is optimized for vertical farming or single-layer applications, ranging from 450W to 1200W output. Designed for high PPFD and broad coverage over a large area, this is your go-to solution for large-scale commercial grow environments. The RPL spectrum with integrated UV helps stimulate THC and resin production and with multiple spectrums available we can customize your fixture to match your specific cultivation needs.

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.

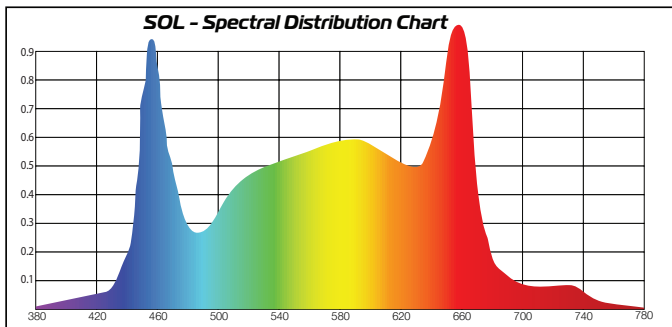
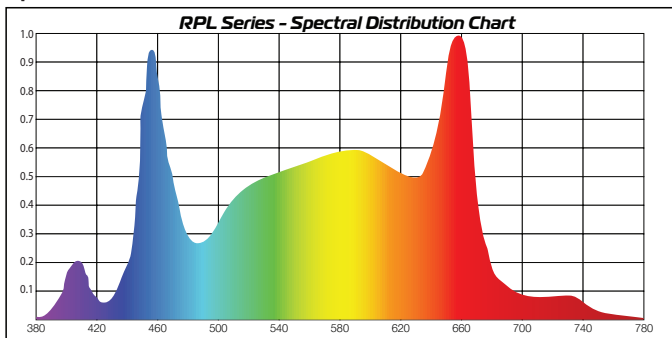
Thermal Management

The RPL 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 RPF B Series LEDs have been determined to last a minimum of 60,000 hours in 25°C environments.

Mounting

- Available standard for:
- In-line Mounting

Spectrum



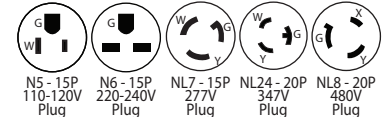
Electrical Assembly

The RPL Series is supplied with an adjustable current high-performance LED driver that accepts 120V to 277V or 347V to 480V, 50 Hz to 60 Hz, input. Power factor of $\geq 90\%$. 10 kV surge protector supplied as standard.

Standard Equipment

- Removable Bar Configuration
- 10' Power Cord
- 0 - 10V Dimming Driver
- RJ12 0 - 10V Dimming Input
- Plug Ready Whip (No Plug)
- In-Line Cable Mount

* 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

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

RPL Standard Dimensions

MODEL	X	Y	Z
RPL-3	47"	45"	4.3"
RPL-4	47"	45"	4.3"
RPL-6	47"	45"	4.3"
RPL-8	47"	45"	4.3"

