



## DL-RS-XX-RGB

RGB LINEAR – WET, DAMP, or DRY LOCATION  
LED RIGID STRIP

Type	
Project	
Catalog No.	


LED Rigid Strip without opal cover



LED Rigid Strip with opal cover



### SPECIFICATIONS

Input Voltage	24V DC
Watts (per ft)	3.8 W
Beam Angle	110°
LEDs (per ft)	18
Operating Temp *	-22°F to 140°F
Lamp Life	50,000 hours
Maximum Run	24 ft
Dimensions	5/8" W x 5/8" H 1-5/16" H with opal cover
Housing	Aluminum extrusion
Environment †	Wet, Damp, or Dry location
Certifications	 US LISTED
Warranty	5 Years – see published warranty terms for detailed information.

\* Exceeding the operating temperature values may damage the LEDs by reducing the lifespan, lumen output, and adversely impact color consistency. It is recommended adequate airflow and heat sinking be taken into consideration in the installation and application of this product. Improper thermal management may lead to premature product failure.

† This product cannot be submersed in water, installed where puddling can occur or covered with snow. Not tested under salt spray conditions. The outdoor DC end cap (DL-PS-OD-RGB-EC) is required at the end of each run.

### DESCRIPTION

Wet location LED rigid strip. Includes 2 inch lead wires with waterproof connections for input and output connections. Opal cover can be ordered separately. The opal cover provides 70-80% light diffusion and creates a nearly seamless look. Also included with fixture are two 0 deg, two 45 deg mounting clips (4 total), and one outdoor DC output end cap. The outdoor DC end cap is required at the end of each run.

### LUMEN DATA

Color	Length	Watts	Lumens *	Efficacy
RGB	12 inch	3.8	148	39 lm/W
	24 inch	7.6	296	39 lm/W
	36 inch	11.4	444	39 lm/W
	48 inch	15.2	592	39 lm/W

Watts and lumen data shown is based on maximum values. Values will vary depending on color.

\* Using the opal cover will reduce lumen output by approx 15-20%.



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### ORDERING INFORMATION

#### LED Rigid Strip with no cover

MODEL	LENGTH	COLOR
DL-RS	<input type="text"/>	<input type="text"/>
	12 : 12"	
	24 : 23-7/8"	
	36 : 35-5/8"	
	48 : 47-1/2"	

#### LED Rigid Strip with opal cover

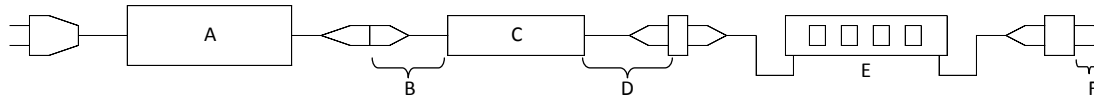
MODEL	LENGTH	COLOR	COVER
DL-RS	<input type="text"/>	<input type="text"/>	<input type="text"/>
	12 : 12"		C : Opal Cover
	24 : 23-7/8"		
	36 : 35-5/8"		
	48 : 47-1/2"		

All fixtures include one DL-RS-MC-1 and one DL-PS-OD-RGB-EC.

### WIRING DIAGRAMS – For reference purposes only. Not for installation. Not to scale.

#### Plug & Play • Simple RGB

A.	Power Supply	DL-PS-XX/24	D.	Output Power Connector	DL-PS-OD-RGB-PT-F
B.	Input Power Connector	DL-PS-OD-PT-M	E.	LED Luminaire	DL-RS-XX-RGB
C.	Controller	LC-180-RF	F.	End Cap	DL-PS-OD-EC



#### HARDWIRE • DMX

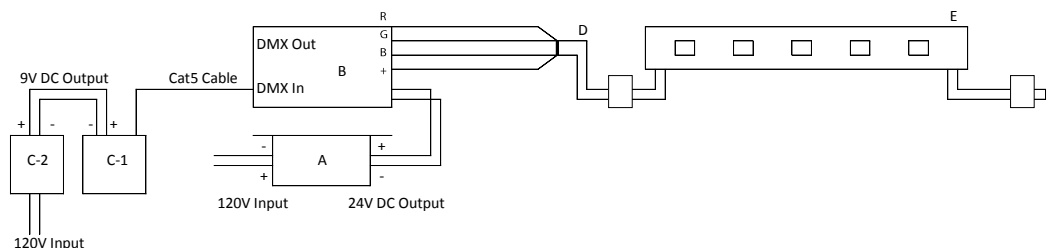
Description	LC-PC-100 (Shown)	LC-PC-500
A. Power Supply	DL-PS-xx/24-JB-OD	DL-PS-xx/24-JB-OD
B. DMX Interface	LC-200-INT	LC-200-INT
C-1. Controller	LC-PC-100	LC-PC-500
C-2. Controller Power Supply	DL-PS-WP/USB-MN	Hard-Wire power supply included with controller
D. Power Connector	DL-PS-OD-RGB-PT-F	DL-PS-OD-RGB-PT-F
E. Fixture	DL-RS-XX-RGB	DL-RS-XX-RGB
F. End Cap	DL-PS-OD-RGB-EC	DL-PS-OD-RGB-EC
G. Data Repeater	LC-200-RPT	LC-200-RPT

**DL-RS-XX-RGB**

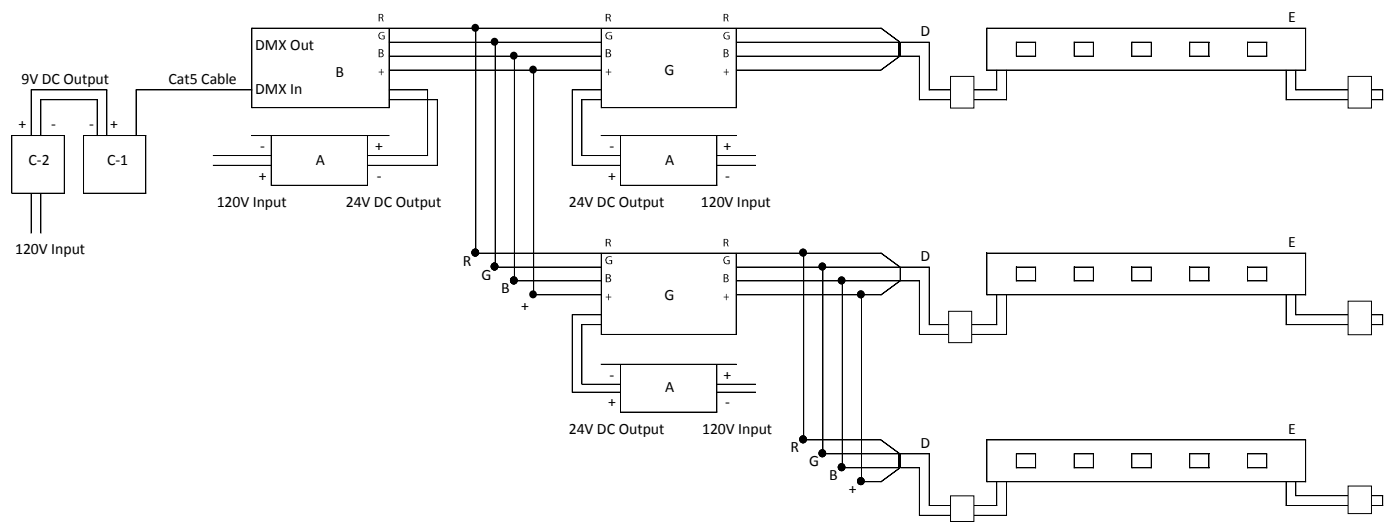
### RGB LINEAR – WET, DAMP, or DRY LOCATION LED RIGID STRIP

Type	
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### Single Run • Single Address



### Multiple Runs • Single Address



## HARDWIRE • DMX

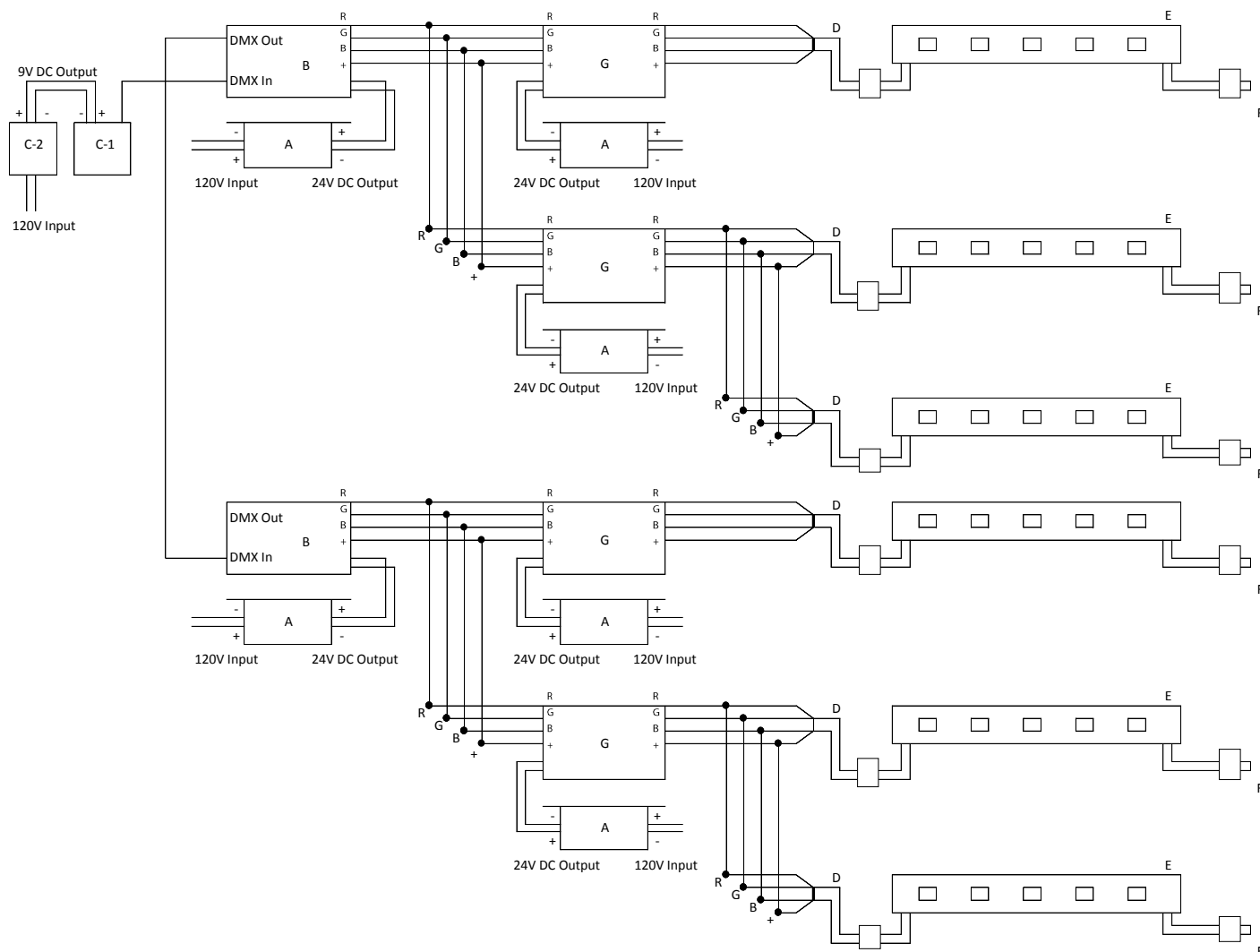
Description		LC-PC-100 (Shown)	LC-PC-500
A.	Power Supply	DL-PS-xx/24-JB-OD	DL-PS-xx/24-JB-OD
B.	DMX Interface	LC-200-INT	LC-200-INT
C-1.	Controller	LC-PC-100	LC-PC-500
C-2.	Controller Power Supply	DL-PS-WP/USB-MN	Hard-Wire power supply included with controller
D.	Power Connector	DL-PS-OD-RGB-PT-F	DL-PS-OD-RGB-PT-F
E.	Fixture	DL-RS-XX-RGB	DL-RS-XX-RGB
F.	End Cap	DL-PS-OD-RGB-EC	DL-PS-OD-RGB-EC
G.	Data Repeater	LC-200-RPT	LC-200-RPT

**DL-RS-XX-RGB**

## RGB LINEAR – WET, DAMP, or DRY LOCATION LED RIGID STRIP

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## Multiple Run • Multiple Addresses





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### POWER SUPPLY

Multiple runs may be installed per power supply as long as the Max Load or Max Run values are not exceeded.

**Wattage** = Max power capacity of power supply. May need to be de-rated if operating at max temperature.





**Max Load** = Fixture quantity a power supply can power.

**Max Run** = Maximum length of a single home run.

Hard-Wire Power Supplies Wet, Damp, or Dry Location UL Listed (with Junction Box)		DL-RS-12	DL-RS-24	DL-RS-36	DL-RS-48
		Max Run : 24 ft	Max Run : 24 ft	Max Run : 24 ft	Max Run : 24 ft
		3.8 W	7.6 W	11.4 W	15.2 W
Model Number	Wattage	Max Load	Max Load	Max Load	Max Load
DL-PS - 80 / 24 - JB - OD	80	18 pc	9 pc	6 pc	4 pc
DL-PS - 96 / 24 - JB - OD	96	22 pc	11 pc	7 pc	5 pc

Plug & Play Power Supplies Dry Location UL Listed		DL-RS-12	DL-RS-24	DL-RS-36	DL-RS-48
		Max Run : 24 ft	Max Run : 24 ft	Max Run : 24 ft	Max Run : 24 ft
		3.8 W	7.6 W	11.4 W	15.2 W
Model Number	Wattage	Max Load	Max Load	Max Load	Max Load
DL-PS - WP 24 / 24	24	5 pc	2 pc	1 pc	1 pc
DL-PS - 24 / 24	24	5 pc	2 pc	1 pc	1 pc
DL-PS - 48 / 24	48	11 pc	5 pc	3 pc	2 pc
DL-PS - 60 / 24	60	14 pc	7 pc	4 pc	3 pc
DL-PS - 100 / 24	90	21 pc	10 pc	7 pc	5 pc

### MOUNTING ACCESSORIES

	<b>Mounting Clip Kits</b>																
<table><tr><th>Part Number</th><th>Clips Included</th><th>Description</th></tr><tr><td>DL-RS-MC-1</td><td>(2) 0 deg, (2) 45 deg</td><td rowspan="2">The mounting clip kit packages allows for different installation angles. DL-RS-MC-1 included with fixture.</td></tr><tr><td>DL-RS-MC-2</td><td>(2) 30 deg, (2) 60 deg, (2) Adjustable</td></tr></table>			Part Number	Clips Included	Description	DL-RS-MC-1	(2) 0 deg, (2) 45 deg	The mounting clip kit packages allows for different installation angles. DL-RS-MC-1 included with fixture.	DL-RS-MC-2	(2) 30 deg, (2) 60 deg, (2) Adjustable							
Part Number	Clips Included	Description															
DL-RS-MC-1	(2) 0 deg, (2) 45 deg	The mounting clip kit packages allows for different installation angles. DL-RS-MC-1 included with fixture.															
DL-RS-MC-2	(2) 30 deg, (2) 60 deg, (2) Adjustable																
	<b>Magnet</b>																
<table><tr><th>Part Number</th><th>Dimensions</th><th>Description</th></tr><tr><td>ACC-MT-MAG-01-SET</td><td>1" x ½"</td><td>Magnet can be attached directly to the fixture or mounting clip using the double sided tape. Sold as a pair.</td></tr></table>			Part Number	Dimensions	Description	ACC-MT-MAG-01-SET	1" x ½"	Magnet can be attached directly to the fixture or mounting clip using the double sided tape. Sold as a pair.									
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ACC-MT-MAG-01-SET	1" x ½"	Magnet can be attached directly to the fixture or mounting clip using the double sided tape. Sold as a pair.															
	<b>Opal Cover</b>																
	 Cover end caps	<table><tr><th>Part Number</th><th>Length</th><th>Description</th></tr><tr><td>DL-RS-C-12</td><td>12 inch</td><td rowspan="5">The opal cover provides 70-80% light diffusion to create a nearly seamless look. Includes two cover end caps. Longer covers may cover multiple fixtures for a cleaner look with less breaks.</td></tr><tr><td>DL-RS-C-24</td><td>24 inch</td></tr><tr><td>DL-RS-C-36</td><td>36 inch</td></tr><tr><td>DL-RS-C-48</td><td>48 inch</td></tr><tr><td>DL-RS-C-72</td><td>72 inch</td></tr></table>	Part Number	Length	Description	DL-RS-C-12	12 inch	The opal cover provides 70-80% light diffusion to create a nearly seamless look. Includes two cover end caps. Longer covers may cover multiple fixtures for a cleaner look with less breaks.	DL-RS-C-24	24 inch	DL-RS-C-36	36 inch	DL-RS-C-48	48 inch	DL-RS-C-72	72 inch	Height: 11/16"
		Part Number	Length	Description													
		DL-RS-C-12	12 inch	The opal cover provides 70-80% light diffusion to create a nearly seamless look. Includes two cover end caps. Longer covers may cover multiple fixtures for a cleaner look with less breaks.													
		DL-RS-C-24	24 inch														
		DL-RS-C-36	36 inch														
		DL-RS-C-48	48 inch														
	DL-RS-C-72	72 inch															
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### OUTDOOR RGB POWER ACCESSORIES

	Part Number	Description
	DL-PS-OD-RGB-PT-F	Output power connector, clear wire Bare wire to female connector Length: 8 inches Lock Nut Diameter: 9/16 inch Must use for outdoor applications
	DL-PS-OD-RGB-2Y	2-Way power splitter, clear wire Overall Length: 13 inches Length of Split Lead: 6 inches Lock Nut Diameter: 9/16 inch Requires DL-PS-W-EC on open ends
	DL-PS-OD-RGB-3Y	3-Way power splitter, clear wire Overall Length: 13 inches Length of Split Lead: 6 inches Lock Nut Diameter: 9/16 inch Requires DL-PS-W-EC on open ends
	DL-PS-OD-PT-M	Input power connector, clear Wire Bare wire to male connector Length: 8 inches For special applications only

	Part Number	Description
	DL-PS-OD-RGB-EXT18	Extension cable, clear wire Length: 18 inches Lock Nut Diameter: 9/16 inch
	DL-PS-OD-RGB-EXT48	Extension cable, clear wire Length: 48 inches Lock Nut Diameter: 9/16 inch
	DL-PS-OD-RGB-EXT96	Extension cable, clear wire Length: 96 inches Lock Nut Diameter: 9/16 inch
	DL-PS-OD-RGB-EC	Outdoor DC output power connector end cap Apply to the end of each run. (1) Included with fixture.