



## DL-RS

**STATIC LINEAR – WET, DAMP or DRY LOCATION**  
**LED RIGID STRIP SERIES**

Type	
Project	
Catalog No.	

LED Rigid Strip without opal cover




LED Rigid Strip with opal cover



### DESCRIPTION

LED Rigid Strip is a dimmable linear fixture suitable for wet, damp or dry location. 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.

### SPECIFICATIONS

Input Voltage	24V DC
Beam Angle	120°
CRI	> 80
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	 <b>US LISTED</b>
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-EC) is required at the end of each run.

### LUMEN DATA

#### DL-RS

Length	Watts	Color Temp	Lumens *	Efficacy
12 inch	3.2	2650-2900K	265	83 lm/W
		3000-3200K	300	94 lm/W
		4000-4200K	325	102 lm/W
		6200-6400K	360	113 lm/W
24 inch	6.4	2650-2900K	530	83 lm/W
		3000-3200K	600	94 lm/W
		4000-4200K	650	102 lm/W
		6200-6400K	720	113 lm/W
36 inch	9.6	2650-2900K	795	83 lm/W
		3000-3200K	900	94 lm/W
		4000-4200K	975	102 lm/W
		6200-6400K	1080	113 lm/W
48 inch	12.8	2650-2900K	1060	83 lm/W
		3000-3200K	1200	94 lm/W
		4000-4200K	1300	102 lm/W
		6200-6400K	1440	113 lm/W

\* Using the opal cover will reduce the lumens by approx 15 to 20%. For higher lumen output consult factory.



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### ORDERING INFORMATION

#### LED Rigid Strip with no cover

MODEL	LENGTH	COLOR
DL-RS	12 : 12"	27 : 2650-2900K
	24 : 23-7/8"	30 : 3000-3200K
	36 : 35-5/8"	40 : 4000-4200K
	48 : 47-1/2"	60 : 6200-6400K
		R : Red
		G : Green
		B : Blue
		Y : Yellow

#### LED Rigid Strip with opal cover

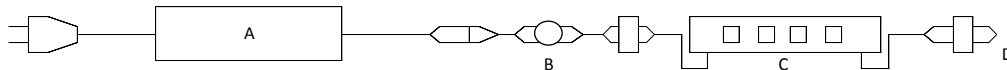
MODEL	LENGTH	COLOR	COVER
DL-RS	12 : 12"	27 : 2650-2900K	C
	24 : 23-7/8"	30 : 3000-3200K	C : Opal Cover
	36 : 35-5/8"	40 : 4000-4200K	
	48 : 47-1/2"	60 : 6200-6400K	
		R : Red	
		G : Green	
		B : Blue	
		Y : Yellow	

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

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

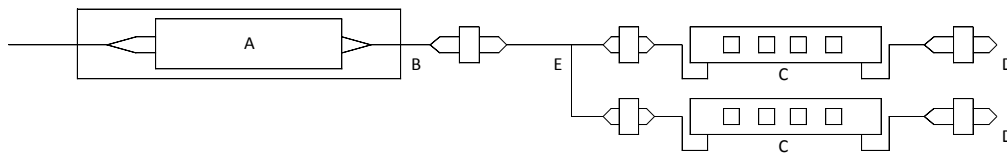
#### PLUG & PLAY • On/off in-line dimmer switch

A.	Power Supply	DL-PS-XX/24
B.	In-line Dimmer Switch (optional)	LC-DIM5A, LC-DIMxxx-RF (not shown)
C.	LED Luminaire	DL-RS-XX-XX
D.	End Cap	DL-PS-OD-EC



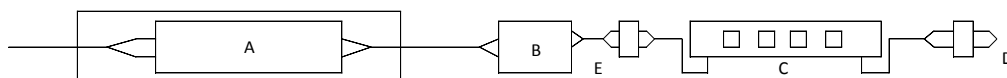
#### HARD-WIRE • Multiple Runs • On/off

A.	Power Supply	DL-PS-XX/24-JB-XX
B.	Output Power Connector	DL-PS-OD-PT-F
C.	LED Luminaire	DL-RS-XX-XX
D.	End Cap	DL-PS-OD-EC
E.	Power Splitter	DL-PS-OD-2Y (shown), DL-PS-OD-3Y



#### HARD-WIRE • On/off in-line dimmer switch

A.	Power Supply	DL-PS-XX/24-JB-XX
B.	In-line Dimmer Switch (optional)	LC-DIMxxx-RF-HW
C.	LED Luminaire	DL-RS-XX-XX
D.	End Cap	DL-PS-OD-EC
E.	Output Power Connector	DL-PS-OD-PT-F



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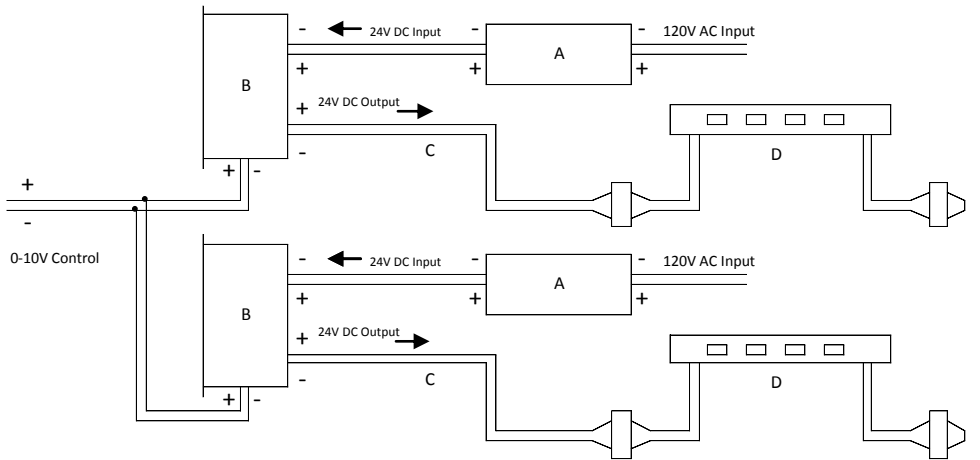
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### HARD-WIRE • 0-10V Dimming for multiple runs

A.	Power Supply	DL-PS-XX/24-JB-XX
B.	Dimming Interface	LC-DIM5A-HW
C.	Output Power Connector	DL-PS-OD-PT-F
D.	LED Luminaire	DL-RS-XX-XX
E.	End Cap	DL-PS-OD-EC



### POWER SUPPLY – See specification sheets for more information.

If the Max Load of a power supply exceeds the fixture's Max Run, then you may install multiple runs per given power supply.  
 Wattage = Max power capacity of power supply. May need to be de-rated if operating at max temperature.  
 Max Load = Maximum length worth of fixtures.

Hard-Wire Power Supplies Dry Location UL Listed (with Junction Box)		DL-RS-xx 3.2 W / ft
Model Number	Wattage	Max Load
DL-PS-20/24-JBA	20	6 ft
DL-PS-60/24-JBA	60	18 ft
DL-PS-96/24-JBA	96	30 ft

Hard-Wire Power Supplies Wet, Damp, or Dry Location UL Listed (with Junction Box)		DL-RS-xx 3.2 W / ft
Model Number	Wattage	Max Load
DL-PS-80/24-JB-OD	80	35 ft
DL-PS-96/24-JB-OD	96	30 ft

Hard-Wire Power Supplies Dry Location UL Recognized (with Junction Box)		DL-RS-xx 3.2 W / ft
Model Number	Max Load	Max Load
DL-PS-35/24-JB	35	10 ft
DL-PS-60/24-JB	60	18 ft
DL-PS-100/24-JB	96	30 ft

Plug & Play Power Supplies Dry Location UL Listed		DL-RS-xx 3.2 W / ft
Model Number	Max Load	Max Load
DL-PS-WP24/24	24	7 ft
DL-PS-24/24	24	7 ft
DL-PS-48/24	48	15 ft
DL-PS-60/24	60	18 ft
DL-PS-100/24	90	28 ft
DL-PS-100/24-CL2 *	96	30 ft

\* Class 2

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**DIMMERS** – See specification sheets for more information**Plug and Play**

Part Number	Description
LC-DIM200-RF	24V, 10A, Remote control Step and smooth dimming
LC-DIM5A	12 / 24V, 0-10V Dimmer with built-in knob control







**Hard Wire**

Part Number	Description
LC-DIM200-RF-HW	12 / 24V, 10A, Step and smooth dimming Remote control
LC-DIM5A-HW	12 / 24V, 0-10V Dimming Interface Requires separate 0-10V dimmer switch
DS-DV-TV-WH	0-10V Wall Plate Dimmer Switch Smooth dimming, used with LC-DIM5A-HW

**ACCESSORIES**

	<b>Mounting Clip Kits</b>		
			The mounting clip kit packages allows for different installation angles. DL-RS-MC-1 included with fixture.
<b>Part Number</b>	<b>Clips Included</b>		
DL-RS-MC-1	(2) 0 deg, (2) 45 deg		
DL-RS-MC-2	(2) 30 deg, (2) 60 deg, (2) Adjustable		
	<b>Magnet</b>		
			Magnet can be attached directly to the fixture or mounting clip using the double sided tape. Sold as a pair. Indoor use only.
<b>Part Number</b>	<b>Dimensions</b>		
ACC-MT-MAG-01-SET	1" x 1/2"		
    Cover end caps	<b>Opal Cover</b>		
	<b>Part Number</b>	<b>Length</b>	<b>Description</b>
	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"	

**OUTDOOR POWER ACCESSORIES**

	Part Number	Description		Part Number	Description
	DL-PS-OD-PT-F	Output power connector, clear wire Bare wire to female connector Length: 8 inches Lock Nut Diameter: 11/16 inch Must use for outdoor applications		DL-PS-OD-EXT18	Extension cable, clear wire Length: 18 inches Lock Nut Diameter: 11/16 inch
	DL-PS-OD-2Y	2-Way power splitter, clear wire Overall Length: 13 inches Length of Split Lead: 6 inches Lock Nut Diameter: 11/16 inch Requires DL-PS-W-EC on open ends		DL-PS-OD-EXT48	Extension cable, clear wire Length: 48 inches Lock Nut Diameter: 11/16 inch
	DL-PS-OD-3Y	3-Way power splitter, clear wire Overall Length: 13 inches Length of Split Lead: 6 inches Lock Nut Diameter: 11/16 inch Requires DL-PS-W-EC on open ends		DL-PS-OD-EXT96	Extension cable, clear wire Length: 96 inches Lock Nut Diameter: 11/16 inch
	DL-PS-OD-PT-M	Input power connector, clear Wire Bare wire to male connector Length: 8 inches For special applications only.		DL-PS-OD-EC	Outdoor DC output power connector end cap Apply to the end of each run. (1) Included with fixture.

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