



CUSTOM LOW VOLTAGE LIGHTING

Replaceable LED Trim Line Step Light

SERIES **RN8LED**

- Slim, trim, and easy to conceal contour of continuous light
- Custom lengths manufactured to the inch nearest 1/4 inch (max. fixture length is 15 ft)
- 8vdc for economical power use
 - 50,000 hour average lifetime
- Completely dimmable light system
 - Drivers are installed remotely with secondary wiring running back to the light locations.
- Housing is white extruded UV stabilized plastic
- Can be mounted with mounting clips (included) or silicone adhesive
- UL 94-VO flammability rated
- Lead wires are 18", unless ordered longer
- For interior/dry locations only

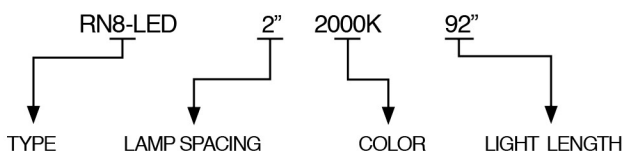
LED Color Options

TEMP (K)	COLOR	BRIGHTNESS LUMENS PER FOOT	LED SPACING	CRI	POWER CONSUMPTION WATTS/FT.
2700K-STD	VERY WARM WHITE	24	2"	80	1.2
2700K-EB	VERY WARM WHITE	40	1.2"	80	2
2500K-STD	WARM WHITE	30	2"	85	1.2
2500K-EB	WARM WHITE	50	1.2"	85	2
3000K-STD	SOFT WHITE	30	2"	85	1.2
3000K-EB	SOFT WHITE	50	1.2"	85	2
5000K-STD	DAYLIGHT WHITE	36	2"	85	1.2
5000K-EB	DAYLIGHT WHITE	60	1.2"	85	2

- **STD**- Standard Brightness
- **EB**- Extra Bright
- Amber, Red, Green and Blue LED's also available

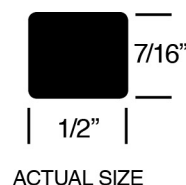
Maximum Single Fixture Run Lengths

LED SPACING	LENGTH
EB - 1.2"	20'
STD - 2"	33'



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The RN 8 Trim line is our smallest profile fixture. The little package provides an abundance of rich light in a highly manageable form. These characteristics make the RN 8 an excellent choice as a concealed light source for any bookcase, fixtures/display, or cabinet application.





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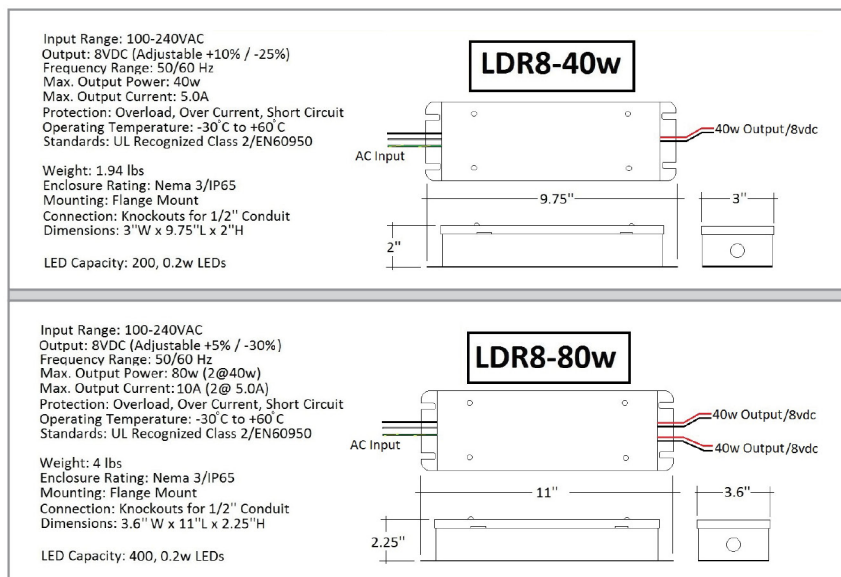
LDR8-40w & LDR8-80w Driver Wiring Procedures

To access the AC and DC wiring compartments, remove the 4 screws on the top cover. Ensure the plastic washers stay on the screws.

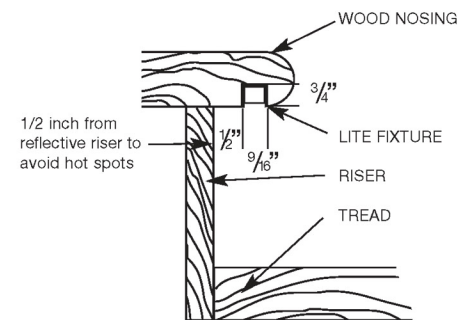
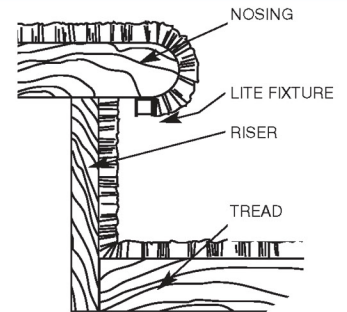
Input Connections: Install & secure the proper conduit fitting to the LED drivers 1/2" knock outs. **(For installations in outdoor or wet locations. Liquid tight fittings & conduit must be used for proper NEMA 3/IP65 protection).** The incoming AC input wires should be protruding into the AC wiring compartment. Connect the AC input wires to the LED driver using the proper UL approved wire nuts. The **Black** wire from the unit should be connected to the incoming AC line wire. The **White** wire from the unit should be connected to the incoming AC neutral wire. The **Yellow/Green** wire from the unit should be connected to the incoming AC ground wire. **(Note: the complete metal case is referenced to AC ground upon proper installation).**

Output Connections LDR8-40: Install & secure the proper conduit fitting to the LED drivers DC 1/2" knockout. The wire connections are made within the LED Drivers DC wiring compartment, using wire nuts or other proper electrical connectors. The (-) **Black** DC negative wire from the unit should be connected to the LED fixtures negative wire. The (+) **Red** DC positive wire from the unit should be connected to the LED fixture positive wire.

Output Connections LDR8-80: Install & secure the proper conduit fitting to the LED drivers DC 1/2" knockout. The wire connections are made within the LED Drivers DC wiring compartment, using wire nuts or other proper electrical connectors. One (-) **Black** wire from one of the 40w outputs should be connected to one of the negative wires on one of the LED fixtures. One (+) **Red** wire from one of the 40w outputs should be connected to positive wire on the LED fixture. The other (-) **Black** wire is the second of the two 40w negative output wires, it should connect to the negative wire on the second LED fixture. The other (+) **Red** wire is the second of the two 40w positive output wires, it should connect to positive wire on the second fixture. **(Note: The output wires for each channel should not be interconnected.)**



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Custom fabricated fixtures are manufactured to the exact dimension required. Each LED fixture is built with an 18" lead wire from one end. NOTE: various fixtures permit the client to specify from which end the lead wires exit. The maximum fixture length for any type is 15 feet (180 inches.) (Please consult with an RSL representative for solutions on extra-long lengths.) When pricing, always round up to the nearest half foot.



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CUSTOM LOW VOLTAGE LIGHTING

Replaceable LED Trim Line Step Light

LDR8-40w & LDR8-80w Drivers

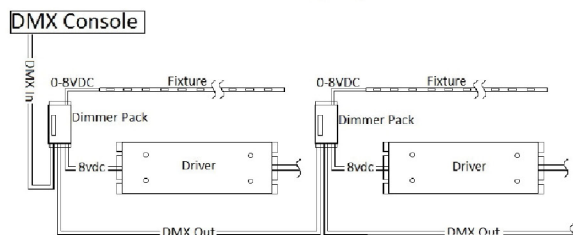
General Instructions: The LDR8-40 & LDR8-80 are Class 2 drivers used to convert an AC input into an 8vdc output. It may be operated from a wide range of input voltages, and is provided within an enclosure suitable for wet locations.

PRECAUTIONS::

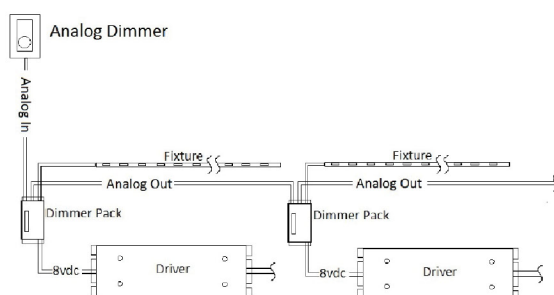
- 1.) Read all instructions completely before beginning installation.
- 2.) Turn off electricity before beginning installation.
- 3.) All wiring is to be performed by a qualified electrician
- 4.) Installation must comply with the National Electrical Code.
- 5.) Turn main supply to LED Driver on only after all connections are made and tested.

Check for Operation:: Once all wiring is completed, turn on the AC supply to check for proper LED lighting system operation. Once proper operation is confirmed, turn off the AC supply and then re-install the top cover of the LED driver using the 4 screws. Ensure the plastic washers are installed on each screw before re-installation. It is also important to insure all wiring is maintained within each wiring compartment to prevent wires from being pinched between the covers gasket and the units case. **(Note: In outdoor installations or any installation in wet locations, tighten the cover screws using a torque controlled screwdriver with a torque setting of 4.0 to 6.0 inch pounds.)**

DMX Wiring Diagram



0/1-10VDC Wiring Diagram



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Max. Load: 40 Watts @ 8VDC

Environmental Rating: Dry

Location: IP20

Dimensions: 3/4" X 1-3/4" X 3-1/2"

Weight: 50g / 0.11 lbs.

Listing: ETL Listed/CE Certified

Operation Temperature: 0 to +50° C

LC-1CH-MULTI Dimming System:

The Dimmer Pack is compatible with industry standard dimmers working on DMX or 0/1-10VDC protocol. In the manual mode, a preset light level can be set without the use of any external dimmer.

DMX MODE::

Dimmer packs are addressable and may be used with any controller working on DMX protocol. Up to 36 dimmer packs may be connected in series. For applications exceeding 36 dimmer packs, an additional feed from the DMX dimmer is required. The additional feed(s) can be sent directly from the dimmer, or you may specify DMX Splitters. Consult factory on details of DMX Splitters.

ANALOG MODE: 0/1-10VDC:

For operation from devices using 0/1-10VDC Protocol, up to 10 dimmer packs, an additional feed from the analog dimming device is required.

MANUAL MODE:

You may select a light intensity at which the fixtures operate. In this case, no external dimming device is required.

WARNING: Do not connect input wires to dimmer. This will damage the driver.