

VERSA TRIM

- Beautiful, thin diffused side-emitting accent light
- Available in warm white, natural white, cool white, amber, red, green, blue, and RGB
- Light width: 16mm for RGB, 12mm for single color
- UL approved
- Max roll length: 5M
- Operating temperature: -20C to 45C
- 144/m LED- single color, 108/m RGB
- Operating voltage: 13.8Vdc
- IP67 rated
- Compatible with plastic clip #580231 for single color
- Compatible with channel #985013 for RGB



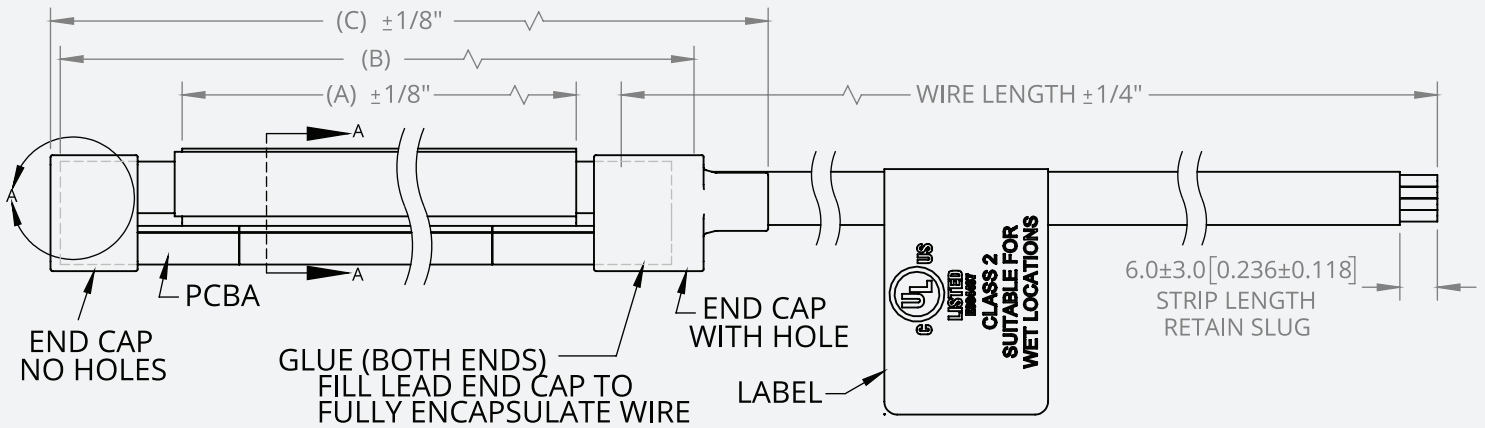
SPECIFICATIONS

PART NUMBER	LED COLOR	COLOR TEMP/ WAVELENGTH	FLUX/Ft.	CURRENT/Ft.	MAX RUN LENGTH
020238- 12V	Red	622 nm	4 lm	0.11 A	3.5m
020238	Green	520 nm	8 lm	0.11 A	3.5m
020238	Blue	463 nm	1 lm	0.11 A	3.5m
020239- 24V	Red	622 nm	6 lm	0.05 A	9.7m
020239	Green	520 nm	15 lm	0.05 A	9.7m
020239	Blue	463 nm	3 lm	0.05 A	9.7m

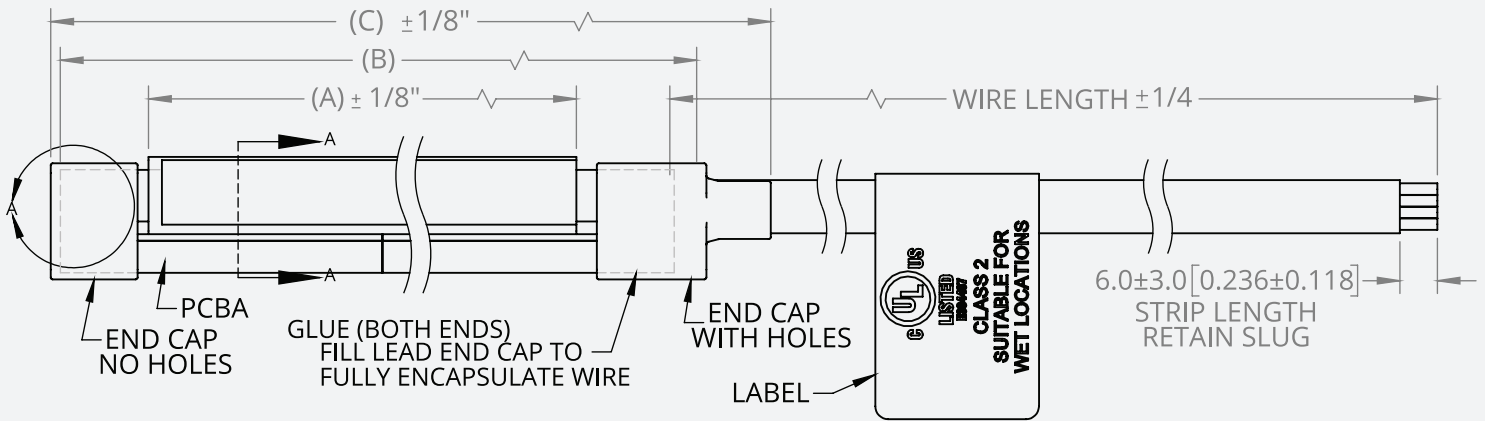
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DIMENSIONS

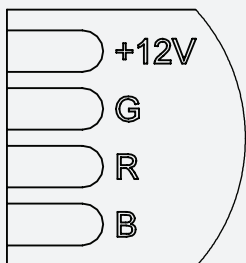
020238- 12V



020239- 24V

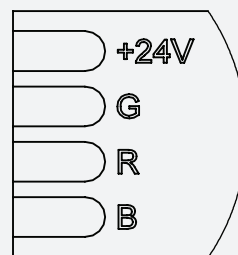


Bottom View- 12V



WIRE COLOR (FUNCTION):
 BLACK (BLACK +)
 GREEN (GREEN GND)
 RED (RED GND)
 BLUE (BLUE GND)

Bottom View- 24V



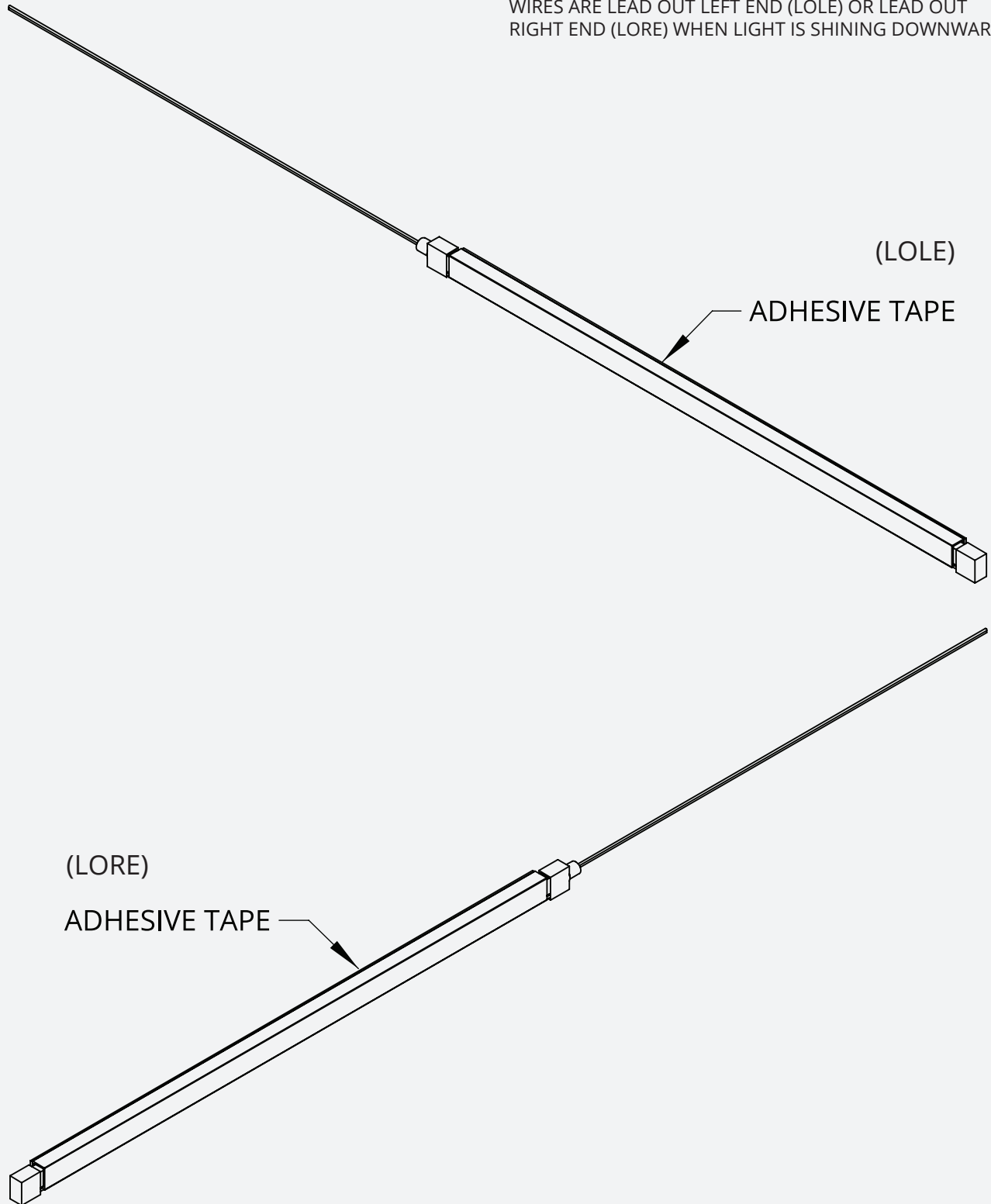
WIRE COLOR (FUNCTION):
 BLACK (BLACK +)
 GREEN (GREEN GND)
 RED (RED GND)
 BLUE (BLUE GND)

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BUILD NOTES:

MAXIMUM COMBINED FLEXI-TAPE QUANTITY FOR ANY ASSEMBLY IS 128 SETS.

WIRES ARE LEAD OUT LEFT END (LOLE) OR LEAD OUT RIGHT END (LORE) WHEN LIGHT IS SHINING DOWNWARD.



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INSTALLATION INSTRUCTIONS

PRODUCT IDENTIFICATION: Determine the mount type of your linear light and applicable products used

- Adhesive – Full length or intermittent adhesive attached to the back of the channel or clips.
- Clips – Short-length press in clips, mounted with screws, that allow routing of a light in a non-linear fashion.
- Channel – Full length rigid or semi-rigid channel, mounted with screws, adhesive, or both. Some channel products come with finishing tips which contain a screw location or pre-drilled support holes inside of the channel for screws. Other channels must be pre-drilled prior to fastening to the mount surface.

PREPARATION: Prepare the mount surface in accordance with your screw type

- Adhesive – It is recommended to use an adhesive promoter to increase the bond strength for all types of adhesive tape (adhesive promoter not included). If an adhesive promoter is not available, prep the mount surface with isopropyl alcohol to increase bond strength. Make sure that while mounting flexible lights, a bend radius smaller than the minimum bend radius of your selected product is not applied. Mounting flexible lights beyond the minimum bend radius will void warranty. It is recommended to have intermittent adhesive tape equally spaced at least every 18 inches."

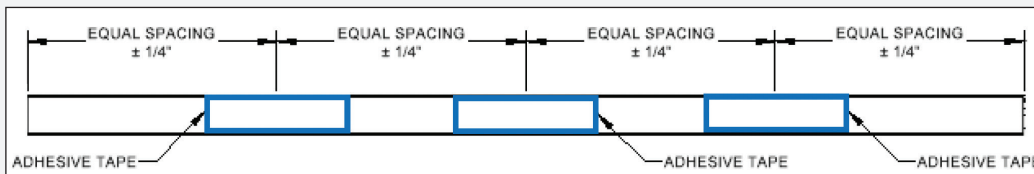


Figure 1: Intermittent adhesive tape mounting locations marked with blue rectangle

- Clips – If the clip has an adhesive backing, follow the preparation instructions for adhesives above, using adhesive on each clip. When setting up clip locations for lights in a non-linear fashion, make sure that the clip locations will not produce a bend radius smaller than 25 mm.
- Channel – If the channel has an adhesive backing, follow the preparation instructions for adhesives above. If the channel has finishing tips, make sure that the full assembly will fit in the intended mounting location. Channels should be mounted on a flat surface to ensure that light extrusions will remain secure. If holes are not already pre-drilled into the channel, locate and drill the mounting holes now. It is recommended to have a mount hole at least every 9 inches.

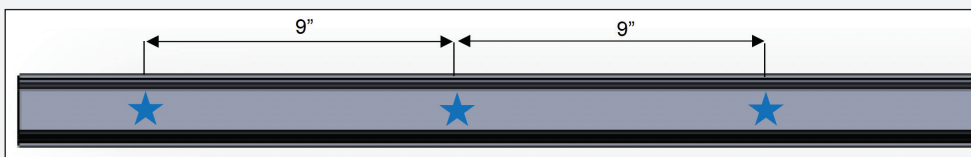


Figure 2: Mount hole drill locations marked with blue star

FASTENING: Using product appropriate screws, mount the light to your desired surface. It is up to the installer to ensure the proper screws are used for the application mount surface. Mechanical screws supplied by Vista are generic screws. If these are not appropriate for the intended mount surface, a customer supplied screw should be identified and used.

- Clips – Pre-drill clips (if not already done) and locate them along the mount surface, keeping in mind not to exceed the minimum bend radius of the selected product. If clips have adhesive, peel away the adhesive backer. Apply the clip to the mount location and apply pressure evenly throughout the adhered surface for at least 30 seconds. If adhesive is the only method of securing clip, leave the clip mounted for 24 hours before fastening the light extrusion. Apply screw into the pre-drilled hole inside of the clip. After clips are mounted, route the light extrusion through the clips by pressing until the fastening mechanism of the clip is engaged.

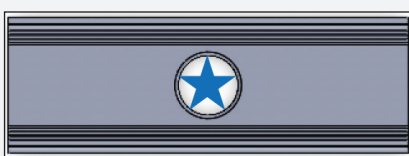


Figure 3: Mount through drill hole, marked with blue star, then press light extrusion into clip

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- Channel – Remove the light extrusion from the channel if already assembled. If the channel selected has adhesive, determine the required mounting position of the light and peel away the adhesive backer. Apply the channel to the mount location and apply pressure evenly throughout the adhered surface for at least 30 seconds. If adhesive is the only method of securing channel, leave the channel mounted for 24 hours before fastening the light extrusion. Apply screws into the pre-drilled holes inside of the channel for permanent fixturing. The holes located nearest each end of the channel are meant for wire routing and finishing tips (see Figure 4). Do not apply screws to these holes. Drill a hole through the mounting surface in the proper location for wire routing if necessary. Make sure that if there are finishing tips and the wires are routed straight out of the end of the extrusion, the wire routing hole will not interfere with the screw mounting of the finishing tip. Press or slide the light extrusion into the channel, Apply finishing tips to channel (if applicable) routing wires through if necessary.

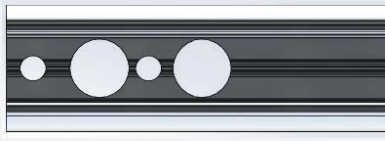


Figure 4: Wire routing and finishing tip holes. Do not apply screw



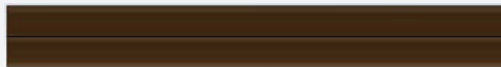
Figure 5: Adhesive tape mounting locations marked with blue rectangle



Figure 6: Drill through mount hole drill locations marked with blue star

WIRING: Route wires as necessary for the application. Do not pinch or puncture wires with screws. Do not rout wires around sharp edges. A wire loom should be used for protection if wires are to be routed through areas where they may encounter sharp edges, in an application that would experience high amounts of vibration, in areas that may have screws protruding into them during later assembly, or other extreme conditions. Standard wiring outputs can be seen below.

- **Incandescent Lights** – Do not have a defined power and ground



BROWN WIRE

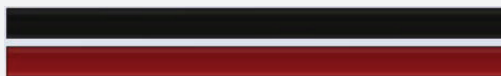


CLEAR WIRE



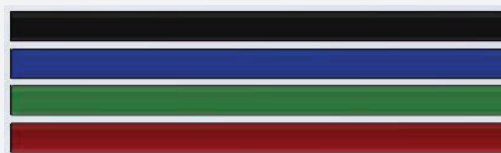
RED/BLACK WIRE

- **Single Color Lights**



**BLACK WIRE (GROUND)
RED WIRE (POWER)**

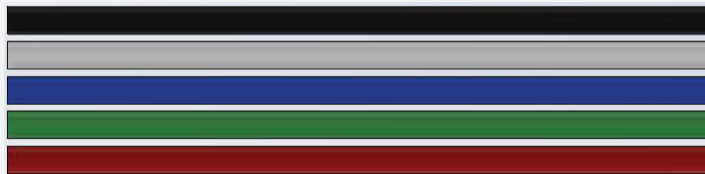
- **RGB LIGHTS (RED, GREEN, BLUE)** When red, green, and blue LEDs are all on, a “white” light is produced.



**BLACK WIRE (POWER)
BLUE WIRE (BLUE GROUND)
GREEN WIRE (GREEN GROUND)
RED WIRE (RED GROUND)**

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- **RGBW LIGHTS (RED, GREEN, BLUE, WHITE)** Red, green, blue, and white LEDs



BLACK WIRE (POWER)
WHITE WIRE (WHITE GROUND)
BLUE WIRE (BLUE GROUND)
GREEN WIRE (GREEN GROUND)
RED WIRE (RED GROUND)

DISCONNECT POWER SOURCE (BATTERY) BEFORE STARTING ELECTRICAL WORK.

Recommended methods for splicing wires together (*parts not included in Vista product kits*):

- Solder and cover bare wires with heat shrink or electrical tape.
- Insulation-displacement connector (IDC) / insulation-piercing contact (IPC).
- Twist on wire connector, “wire nut”.
- Crimp connector, “Butt splice”.

WARNING:

1. Use only with Class 2 power unit
2. Supply current and wattage must not exceed the rated values on the specification documents.
3. Incorrect polarity or improper wiring may cause personal injury and/or damage to the product. It is recommended that an electrical technician, professional, or similarly qualified individual finish wiring.
4. To avoid electrical shock risk, all failures should be examined by a qualified technician.
5. Environmental suitability, including but not limited to water resistance, varies based on product design. Unless explicitly noted, products are to be installed in a location shielded from outdoor elements. To avoid irreparable damage, refer to specification sheets to locate products in a proper environment.
6. Do not install products near an open flame or in high temperature environments unless the product is explicitly designed to function as such. Adversely, do not install products in excessively cold environments unless explicitly designed to function as such. Refer to product spec sheets/drawings for information about minimum and maximum operating temperatures.
7. The mounting means provided with this luminaire has not been evaluated for reliability. If installed where failure of the mounting means could cause injury to persons or damage to property below, supplemental means of securement should be considered.
8. Assemblies must use a 20 AWG wire or larger.
9. Failure to comply to these installation instructions will void warranty.
10. Vista Manufacturing Inc. is not liable for any injuries or damage caused due to improper wiring or installation.

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