



The Borealis® Modular Lighting System (MLS) is uniquely robust. The fact that it is UL and CE Certified, (UL file #E303143), guarantees that it can be safely used in a variety of applications, indoors or outdoors; even in damp locations. Each module can be easily removed, relocated, and reused with the assistance of nothing more than a single blade screwdriver. This system, therefore, is incredibly simple to install and is field serviceable. The Borealis MLS can be installed in signs with the LED source as close as 3½ inches from the sign face without hot spots.

Item No.	Description	Roll Length
ALS-W1-25	Bright White LED	25ft.
ALS-W2-25	Bright White LED	25ft.
ALS-HPW2-20	½ W Warm White LED	20ft.
ALS-HPY2-20	½ W Yellow LED	20ft.
ALS-R3-25	Red LED	25ft.
ALS-RO1-25	Red/Orange LED	25ft.
ALS-RO2-25*	Red/Orange LED	25ft.
ALS-RO3-25	Red/Orange LED	25ft.

- Applications:**
- Channel Letter/Signage Lighting
  - Architectural Lighting
  - Cove Lighting
  - Ambient Lighting
  - Display Lighting
  - Under Cabinet Lighting
  - POP Displays

- Features:**
- 50,000 hours of continuous operation
  - Suitable for wet locations
  - UL & CE approved
  - Cool to touch operation

\* Limited quantities available.



# Wiring Instructions



Ten crimp and heat shrink connectors [in two wire sizes] are supplied with each roll of the Borealis Modular Lighting System, as required by UL for Class II 1310 Certification.



**ATTENTION!** The bottom wire is the **POSITIVE** lead. The ribbed side of the wire is the **NEGATIVE**

LED	Red & Red/Orange	White & Yellow
Voltage	6	12
Current		
Operating	60 mA	60 mA
Maximum	70 mA	70 mA
Minimum	50 mA	50 mA
Watts/Foot	1.80	2.44
Watts/Module	0.36	0.61

LED	Red & Red/Orange	White & Yellow
Operating Temp.		
Maximum	75°C, 167°F	75°C, 167°F
Minimum	-40°C, -40°F	-40°C, -40°F
Power Supply Interval	6.5V/60 Watt Double Channel 25-30 linear feet (150 modules)	12V/60 Watt Single Channel 20 linear feet (80 modules)
Modules/Foot	5	4