

NEW



**Energy Efficient, High Quality,
LED Lighting Products**

**SERIES LIA
CUSTOM DESIGNED
LED ILLUMINATION ASSEMBLIES**

Prolume **Series LIA** LED Illumination Assemblies allow the use of LEDs in low-level lighting applications where color, accent, low cost operation and flexibility are desired. They are specifically customized to meet individual task or project requirements. Applications include edge, accent and cove lighting, signage, retrofits, handrails, display case lighting and more.

BASIC DESIGN

Standard assemblies use through-hole designed boards with direct-view LEDs enclosed in sealed flexible ribbed polycarbonate extrusions of application specific lengths, and are UL listed for wet location. Custom assemblies are available. See separate page for wiring and mounting options.

LEDs

Standard LED colors include **Red, Green, Amber, Blue and White (both Cool and Warm)**. All LEDs are current state-of-art technology diodes using either AlInGaP or InGaN type die in ultra-bright intensities with no UV emission.

ILLUMINATION

Illumination levels are custom tailored to the specific application by, a) varying the board length and pitch (spacing) of the LEDs, b) by using LEDs with different luminous intensities and viewing angles and c) by precisely regulating forward current in the circuit.

Fixture Schedule:

Type	Model Number

Job:

Remarks:



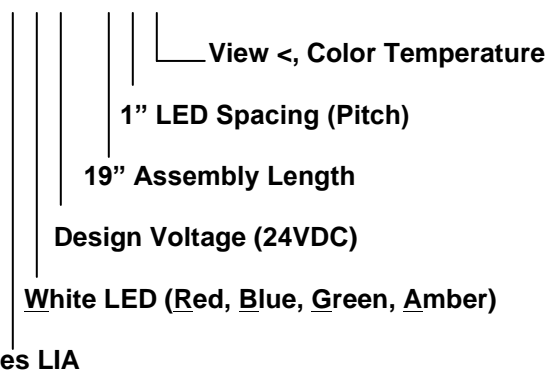
ELECTRICAL

Assemblies use 24VDC Class II drivers for power. On board circuit regulation maintains LED drive currents at 20mA or less for thermal management and to maximize life and performance. See separate page for LED driver selection and Class II guidelines.

ORDERING

Specify the Series, LED color, voltage, assembly length, pitch desired (1/2", 1", 1 1/2", 2", 3", 4"), viewing angle (15°, 20°, 30°, 50°), color temperature (Warm, Cool) and termination (type and length). Power supply sizing will be based on assembly lengths and application requirements.

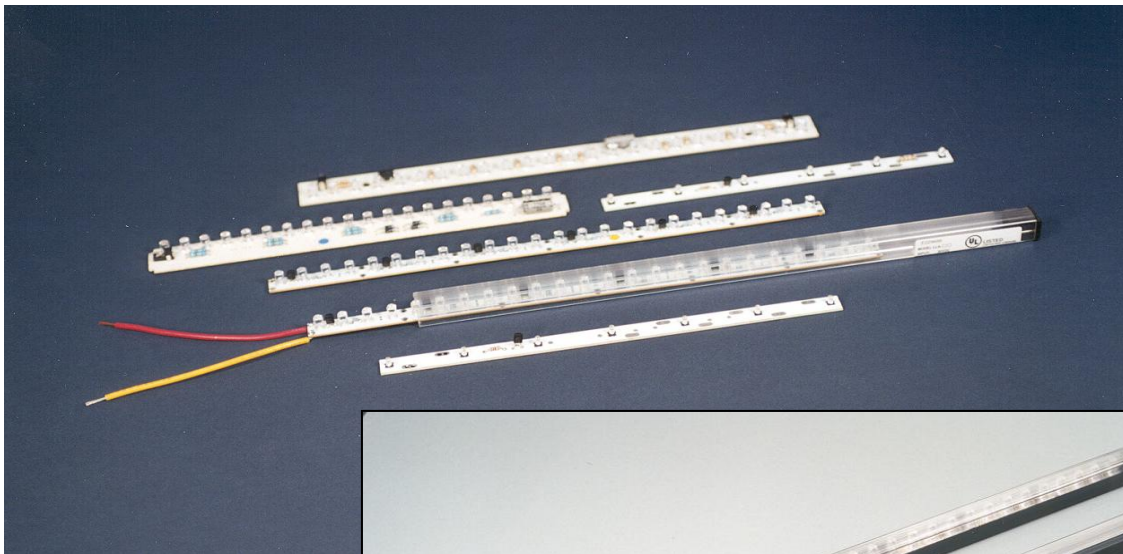
Model LW24-19-1-2C/X — Termination



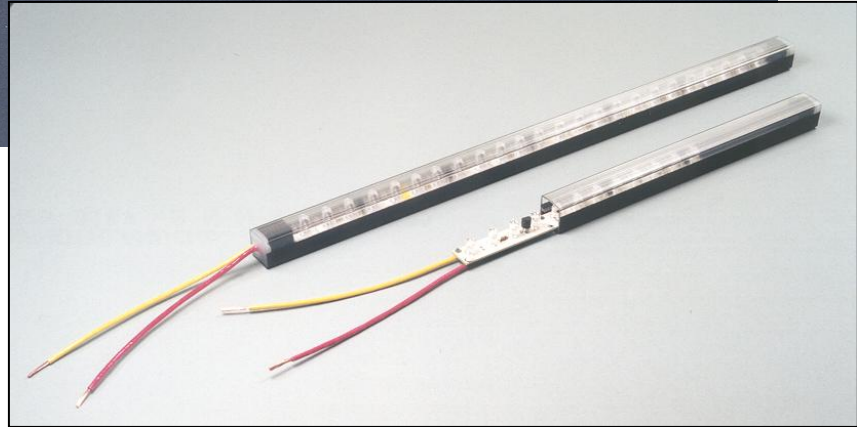
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LIA MODULES

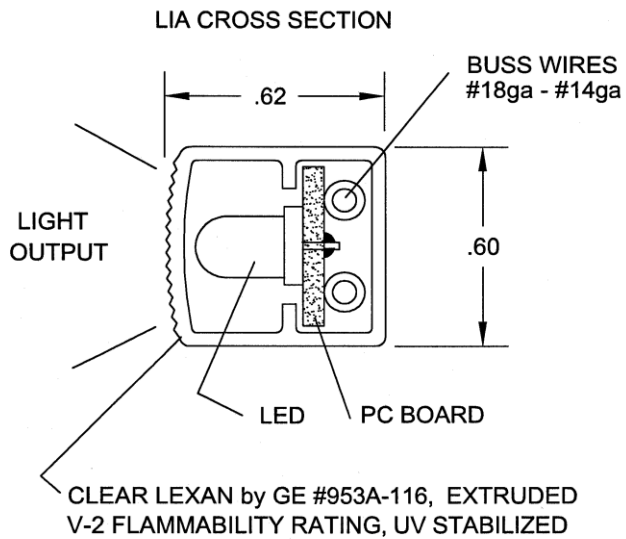


Various LIA Modules with different board lengths, LED spacing and extruded housings



Sealed LIA Module (shown also in cut-away)

EXTRUSION DETAIL



PITCH (LED SPACING) / POWER

PITCH	½"	1"	1 ½"	2"	3"	4"
POWER (W) / ft	2.4	.8	.8	.4	.4	.2
MODEL SUFFIX	5	1	6	2	3	4

LED SPECIFICATIONS *

COLOR	WL/TEMP CIE (TYP)	VIEWING ANGLE	TYP LUM. INTENSITY
RED	626 nm	30°	1500 mcd
AMBER	590 nm	30°	2200 mcd
GREEN	525 nm (.17, .70)	30°	1750 mcd
BLUE	470 nm (.13, .075)	30°	1500 mcd
COOL WHITE	5500° K (.31, .32)	15°	9200 mcd
COOL WHITE	5500° K (.31, .32)	50°	2500 mcd
WARM WHITE	3200° K (.41, .39)	15°	9200 mcd
WARM WHITE	3200° K (.41, .39)	50°	1800 mcd
COOL WHITE	5500° K (.31, .32)	15°	18K mcd **

* Specifications for standard LEDs. Consult factory for other available LEDs.

** Specify **C18** in model number.