

LINEAR ARRAY Light Series

ELECTRICAL:

Input Voltage: 24VDC (25VDC Maximum)

Input Current per square inch:

-630 32mA typical (37mA Maximum) (i.e. LA12-XXX = 0.032*12 sq inch = 384mA)

-880 37mA typical (43mA Maximum) (i.e. LA12-XXX = 0.037*12 sq inch = 444mA)

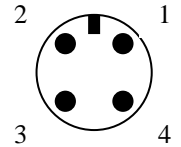
-950 37mA typical (43mA Maximum) (i.e. LA12-XXX = 0.037*12 sq inch = 444mA)

Strobe Impedance: 9400 ohms per sq inch (i.e. LA12-XXX = 9400 ohms / 12 sq inch = 783 ohms)

Connector: Quick Connect, 4 pin Euro / Micro

Wiring:

Pin #	Wire Color	Function
1	Brown	+24VDC
2	N/C	N/C
3	Blue	+24VDC return (GND)
4	Black	PNP Strobe Input: < 1 VDC for "OFF" +5VDC to +24VDC for "ON"



MECHANICAL:

Dimensions: <http://www.spectrumillumination.com>

Standard sizes available are 1"x4", 2"x4", 1"x8", 1"x12", 1"x16" and 1"x24".

ILLUMINATION:

Light Source: LED – 1 Color, IR

Quantity LED's: 10 per square inch

Light Emitting Pattern: See individual dimension drawings

LED Life: up to 100,000 hours*.

*Contact us for LED life information

DIFFUSERS:

White, Opaque – Standard

White, Semi Opaque – Option /MWD

Shower Glass – Option /SD

Thin Film Diffuser – Option /TFD

Polarizer – Option /P

PART NUMBER DESIGNATION:

LA18-XXX for 1"x8" linear light

XXX = Light Color -630, -880 & -950



Color	Dash #	λ Dominant Typical	λ Dominant Range	Spectral Half-width $\Delta\lambda_{1/2}$	λ Peak Typical	Units
Infrared	-950	n/a	n/a	55	950	nm
Infrared	-880	n/a	n/a	80	880	nm
Red	-630	633	627 - 639	15	645	nm

Light includes 4 meter cable, 8, 15 and 30 meter cables are available at additional cost

When operating in continuous mode, light must be mounted to metal structure to provide additional heat dissipation.