



# Linear Bar Light 17.25" / 438mm with Internal Driver



### ELECTRICAL:

Input Voltage: 23.5-26.4VDC (24VDC  $\pm$ 10% burst disabled)  
 Input Current: 350 to 650mA typical (3.0A max for burst) @24VDC  
*Note: Power supply must be capable of 3.0A per light for burst feature to work correctly with supplied cable.*

Strobe Input Impedance: 10K $\Omega$  – PNP typical, 9.1K $\Omega$  – NPN typical  
 Strobe Timing: <20 microseconds from strobe to LED on  
 0-10V Input Impedance: 15K $\Omega$  typical  
 0-10V Input Control: 0V = 100%, 10V = 0% LED current. (Can be left disconnected for 100% LED current)  
 Variable Intensity: Adjustable via trim potentiometer from 0% (CCW) to 100% (CW).

### Wiring:



Pin #	Wire Color	Function
1	Brown	+23.5 to +26.4VDC
2	White	NPN STROBE INPUT: GND for "ON", Open or >Vin-1V for "OFF"
3	Blue	0VDC (DC GND)
4	Black	PNP STROBE INPUT: < 1 VDC for "OFF", >3 $\leq$ 30 VDC for "ON"
5	Grey or Green/Yellow	0-10VDC analog intensity control – 0V = 100%, 10V = 0%

### ENVIRONMENTAL:

Operating Temperature: 0 to 50°C  
 Relative Humidity: 5 to 85% non-condensing

### ILLUMINATION:

Light Source: LED - 6 Colors, UV & IR  
 Quantity HB LED's: 18  
 Light Emitting Pattern: 17.25" / 438mm  
 LED Life: up to 100,000 hours\*

\*Contact us for LED life information



### PART NUMBER DESIGNATION:

**MLLD1117.25-XXX** XXX = Light Color - 470, 505, 530, 590, 630, WHI, 365, 395, 850 & 940.

Color	Dash #	$\lambda$ Dominant Typical	$\lambda$ Dominant Range	Spectral Half-width $\Delta\lambda/2$	$\lambda$ Peak Typical	Units
Infrared	-940	935	n/a	45	940	nm
Infrared	-850	845	n/a	40	850	nm
Red	-630	625	620 - 650	20	638	nm
Amber	-590	590	584 - 598	14	592	nm
Green	-530	530	519 - 561	35	522	nm
Cyan	-505	505	489 - 521	30	503	nm
Blue	-470	470	459 - 491	25	464	nm
Ultra Violet	-395	395	390 - 410	n/a	n/a	nm
Ultra Violet	-365	365	n/a	8	365	nm
White	-WHI	Color Temp 5700 - 7000K				

### Features:

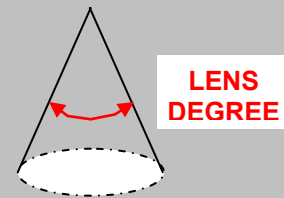
- Built-in Driver
- Auto Burst Disable Switch
- 0 - 10VDC Intensity Control
- Potentiometer Intensity Control
- PWM Dimming Capable (with Auto Burst disabled)
- Auto Burst – LED high current for 500 $\mu$ s  $\pm$ 10%, then drops to standard current

Monster Lights have changeable lenses for matching the area of illumination with the working distance



### Monster Lenses - P/N MLLD117.25-XXX/XX

- 12° Narrow (Standard)
- /30 – 30° Medium Angle
- /50 – 50° Medium Angle
- /F – ~70° Wide Angle
- /L – 25° x 6° Angle



\*\*\* UV lights are available with R60 degree reflectors only \*\*\*



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