

**ELECTRICAL:**

Input Voltage: 23.5-26.4VDC (24VDC  $\pm$ 10% burst disabled)  
 Input Current: 800 to 1200mA typical (5.0A max for burst) @24VDC  
*Note: Power supply must be capable of 5.0A 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: <15 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

**MECHANICAL:**

Lighted Area: 23" / 584mm  
 Connector: M12 - 5 pin  
 Weight: 3.45 lbs. (1565g)

**ILLUMINATION:**

Light Source: LED – available in 6 Colors, UV and IR  
 Quantity HB LED's: 24  
 LED Life: varies by color, click link below for LED life details:

<http://spectrumillumination.com/wp-content/uploads/LED-life-data.pdf>



**PART NUMBER DESIGNATION:**

MLLD123-XXX  
 XXX = Light Color – 450, 470, 505, 530, 590, 630, 660, 730, WHI, NWH, WWH, 365, 395, 850 & 940

For details on available LED's, please visit link below:

<http://spectrumillumination.com/wp-content/uploads/Monster-LED-Info.pdf>

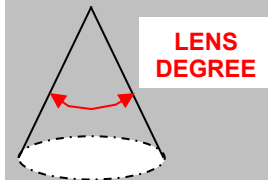
**FEATURES:**

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

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



Monster Lenses - P/N MLLD123-XXX/XX	
12° Narrow (Standard)	/16 – 16° Frosted Narrow
/30 – 30° Medium Angle	/23 – 23° Frosted Medium
/50 – 50° Medium Angle	/39 – 39° Frosted Wide
/F – ~70° Wide Angle	/R60 – 60° Reflectors
/L – 44° x 12° Angle	/R – 90° Reflectors



\*\*\* UV lights are available with narrow, medium and wide silicone lenses, 60° (STD) or 90° reflectors only \*\*\*