

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 Ω – PNP typical, 9.1K Ω – NPN typical
 Strobe Timing: <20 microseconds from strobe to LED on
 0-10V Input Impedance: 15K Ω 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: 5.5" / 140mm
 Connector: M12 - 5 pin
 Weight: 1.25lbs (567g)

ILLUMINATION:

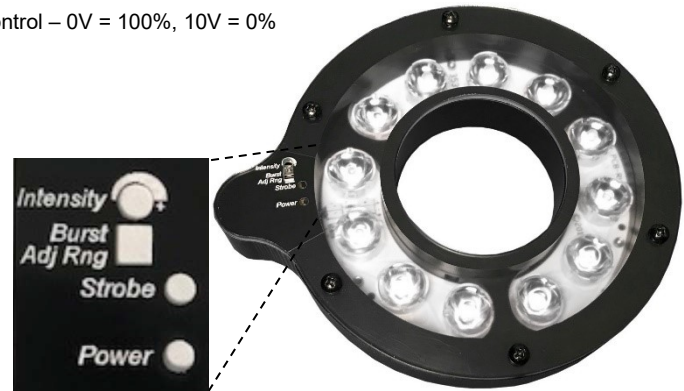
Light Source: LED – 4 Colors, UV and IR
 Quantity HB LED's: 12 LED's
 Light Emitting Pattern: 5.5" / 140mm
 LED Life: up to 100,000 hours*.
 *Contact us for LED life information

PART NUMBER DESIGNATION: MRLD5.5-XXX

XXX = Light Color – see table dash # below

Color	Dash #	λ Dominant Typical	λ Dominant Range	Spectral Half-width $\Delta\lambda_{1/2}$	λ Peak Typical	Units
Infrared	-940	940	n/a	37	950	nm
Infrared	-850	850	n/a	30	860	nm
Red	-630	625	620 - 630	n/a	n/a	nm
Green	-530	530	520 - 535	n/a	n/a	nm
Blue	-470	475	465 - 485	n/a	n/a	nm
Ultra Violet	-395	395	390 - 410	n/a	n/a	nm
Ultra Violet	-365	365	n/a	n/a	360 - 370	nm
Pure White	-WHI	Color Temp 5700 - 7000K CRI 70 typ				
Natural White	-NWH	Color Temp 3800 - 5000K CRI 70 typ*				
Warm White	-WWH	Color Temp 2700 - 3750K CRI 70 typ*				

* higher CRI available on request



FEATURES:

- Built-in Driver
- Auto Burst – LED high current for 500 μ 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)

Light includes 1 EC3 3-meter cable – cable also available in 5 meter length

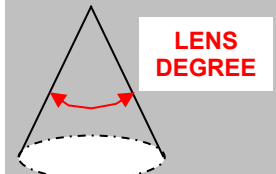


Monster Lights have changeable lenses for matching the area of illumination with the working distance



Monster Lenses - P/N MRLD5.5-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 standard with 60° reflectors, other options available. ***