

ELECTRICAL:

Input Voltage: See _LDM 700 spec
 Input Current: See _LDM 700 spec

WARNING !!!

**Use Only Spectrum Illumination LDM Driver with Monster Lights.
 Do Not Connect Monster Lights Directly to 24VDC!**

ENVIRONMENTAL:

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

MECHANICAL:

Connector: M12 Quick Connect, 5 pin Reverse Key
 Weight: 0.5 lbs. (227g)

ILLUMINATION:

Light Source: LED – 6 Colors, UV & IR
 Quantity HB LED's: 12
 Light Emitting Pattern: 11.5" / 292mm
 LED Life: Varies by color, see link below

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



PART NUMBER DESIGNATION: MLL24-XXX

XXX = Light Color – See "Dash #" in table below:

| Color | Dash # | λ Dominant Typical | λ Dominant Range | Spectral Half-width $\Delta\lambda \frac{1}{2}$ | λ 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 | | | | |



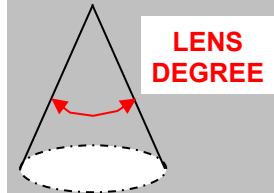
Light includes LDM DIN rail mount constant current driver, 4-meter cable (driver is available with variable or 0-10VDC intensity control - cable also available in 8, 15 and 30-meter lengths).

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



Monster Lenses - P/N MLL24-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. ***