

The LARGEST

SPECTRUM ILLUMINATION

in machine vision lighting



SPECTRUM ILLUMINATION

The Goal of **Spectrum Illumination** has always been, and will continue to be;
To revolutionize Machine Vision lighting.

We strive to satisfy our customers current and future Machine Vision needs.

We endeavor to not only meet, but exceed our customers expectations.

- High product quality*
- High output LED's*
- Customer service that's second to none.*



Dave Muyskens
President, Spectrum Illumination

Thanks for previewing our product line. We hope you find what you've been looking for. If not, let us know. We value the opportunity to be part of the solution.



MONSTER BOX



- No need to purchase lights in every color for testing
- Great for lab or field-testing
- White, Red, Green, Blue, UV 395, and IR 850nm
- Push Button Control for LED On/Off
- Portable Unit - Battery Powered
- All one watt LED's



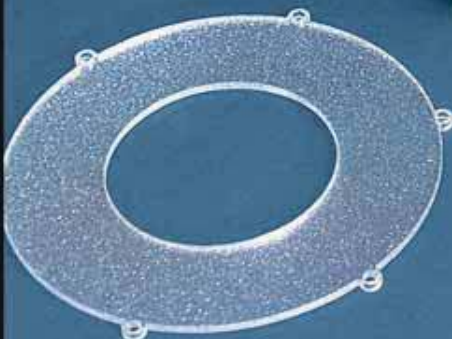
DIFFUSERS | FILTERS

Diffusers and filters can be installed on any backlight or Monster Light.

White Diffused:
Standard on all back lights.



Polarizer:
Can be used on all Standard Lights.

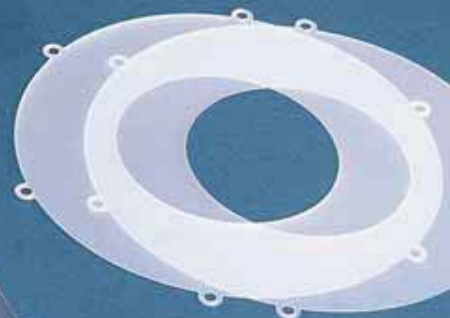


Shower Glass Diffused:
Standard on all front lights.



Clear Diffused: Standard on UV lights.

Thin Film:
Used on all front lights.
Sold in pairs only.



PART NUMBER ORDERING

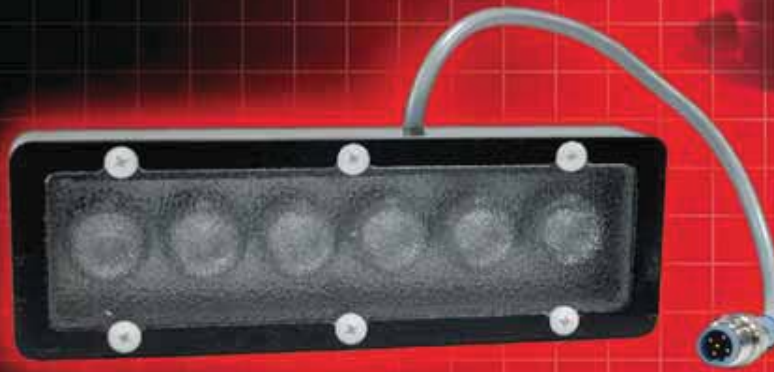
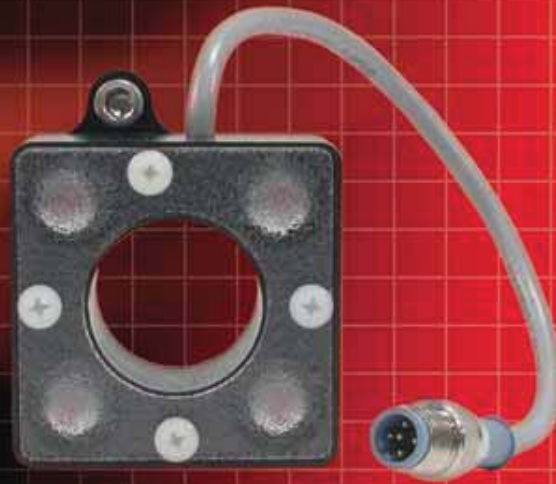
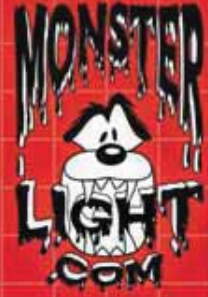
Example of part number system



LL 16 - 630/F/P/V

LIGHT TYPE	SIZE IN INCHES		COLOR OF LIGHT	LENS TYPE	FILTER TYPE	OPTIONAL DRIVERS
LL = Linear RL = Ring SP = Spot BP = Back DL = Dome OL = Oxy Wxx = Wash Down WLL = Linear WRL = Ring WSP = Spot WBP = Back	X	Y	880 IR 850 IR 660 RED 630 RED 530 GREEN 505 CYAN 470 BLUE 395 UV 365 UV WHI WHITE	S = Standard (Narrow) L = Line (Line) 50 = 50° Degree (Med. Angle) F = Wide (Wide Angle)	P = Polarizer CC = Clear TFD = Thin film Diffuser WD = White Diffuser SD = Shower Glass	A = Analog V = Variable
	EXAMPLE 1"	EXAMPLE 6"				

INFRARED



ALL Monster Lights are available in 850nm IR

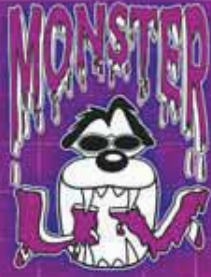
3X Brighter than the red LED (630) light.



Blueberries and beetles under IR

*Available in 850nm Infrared;
highest IR light engine offered.*

UV



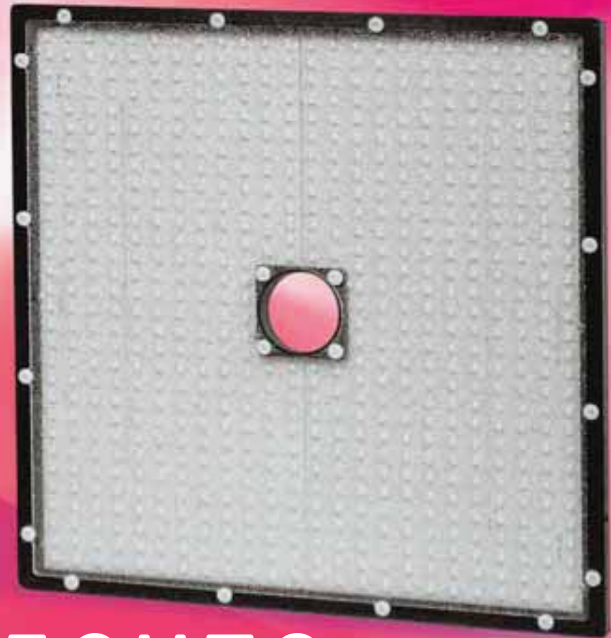
UV



ALL Monster Lights are available in UV 395nm, and UV 365nm.



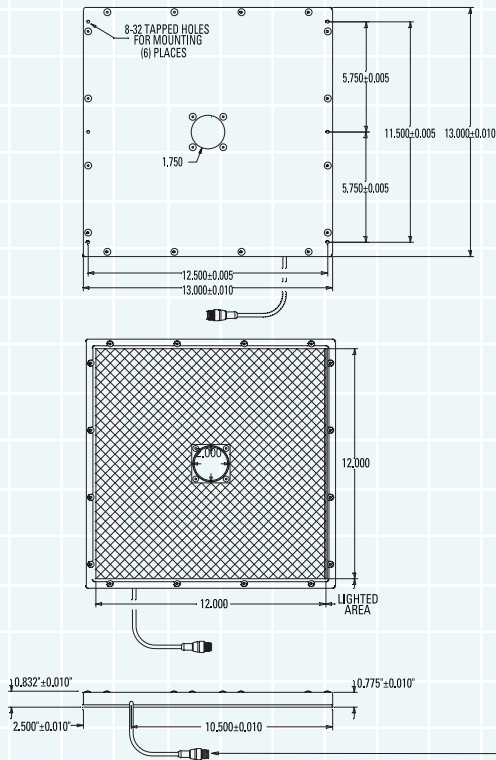
- Diffuse wide angle ring light.
- 300 or 700 high output LED's per light
- Brighter standard light output vs. Dome Lights or Light Tents
- Lights can be enclosed in a wash down enclosure



OXY LIGHTS

Typical Applications: Illumination for profiling the part.

OL1212 MOUNT



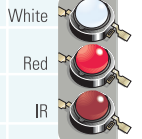
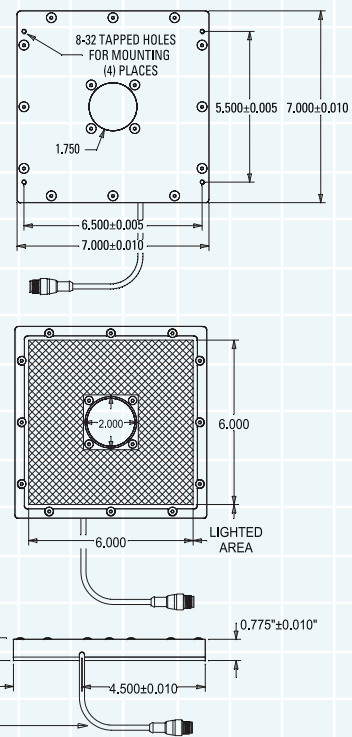
BOTTOM VIEW

TOP VIEW

SIDE VIEW

STANDARD EUROFAST 4-PIN (MALE) CONNECTOR
 PIN 1 (+24VDC / BROWN)
 PIN 3 (GROUND / BLUE)
 PIN 4 (+24VDC / BLACK) STROBE/CONT.

OXL66 MOUNT



DRIVES



LDM drives connect to Monster Brain over DIN Bus connection

MONSTER BRAIN

- 10/100 Ethernet Port RJ-45
- Embedded web page – *NO SOFTWARE Needed*
- Multiple control of lights and cameras
- 4 independent channels of control – single or multiple lights per channel
- 4 independent channels of control – single or multiple lights per channel
- ON Delay / OFF Delay
- Store up to 32 products for selection
- DIN Rail Mount

LDM

- DIN Rail Mount
- Built in High Speed Strobe Control
- PNP and NPN strobe inputs
- Capable of running hundreds of 1 watt or 5 watt HB LED Light Engines
- Constant current control using a feedback loop to maintain current within +/- .1%
- Options:
 - ▶ Variable intensity control via front access trim pot (~10% to 100% current output).
 - ▶ 0-10VDC Analog intensity control (10% to 100% current output).

