

The LARGEST

SPECTRUM ILLUMINATION

in machine vision lighting



PRODUCT CATALOG



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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.*



Did you know...

Since 1999 we've been working on a lot of Firsts' in the Machine Vision lighting industry

First in HB (High Brightness) LED Light Engines

First in offering standard industrial cables with M12 style connectors

First in LARGE lights

First in Harsh Environment/Wash Down lights that are FDA compliant

First in including a constant current driver and cable with lights

First in standard industrial 24VDC on all lights

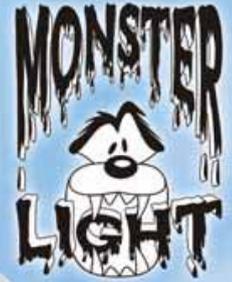
First in UV (Ultra-Violet) and IR (Infrared) HB LED Light Engines

First in including a high speed strobe control on all lights

First and only company to offer a limited 3 year warranty.

What's next?

Spot Lights	Pages 4-5
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- Compact Size
- 24 VDC
- DIN Rail Mount Driver
- High Output LED Light Engines



MONSTER SPOT LIGHTS

SPECTRUM ILLUMINATION

4 Typical Applications: *The need for a narrow direction of high condensing illumination.*

SIZES		DRIVERS	
Light Output Area	Number of HB LED Light Engines		
SP1.25 - 1.25" dia.	1	LDM350/1	
RL2.5 - 2.5" dia.	4	LDM350/2	
SP3.25 - 3.25" dia.	6	LDM350/3 (Except IR)	
SP5.5 - 5.5" dia.	18	LDM1050	

WORKABLE SURFACES		
Auto interior parts	Washer	labling

MONSTER LIGHT

CAMERA

PART

Included with all Monster Lights

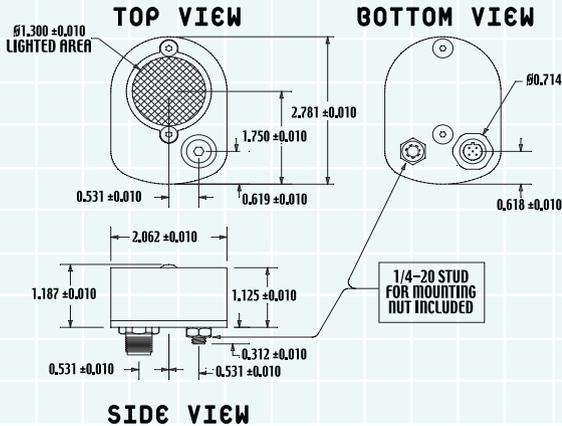
LDM DIN Rail mount driver & 12' cable.



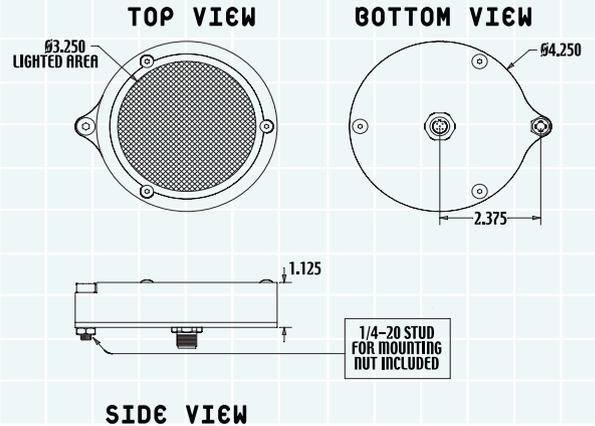
Spot lights are usually aimed directly at an object, often creating distinct shadows. This type of lighting is effective when used on objects requiring high degrees of contrast, but creates specular reflections when used with shiny or reflective materials. The advantage being, the ability to position the light anywhere around an object to illuminate it. Normally used as a "Bright Field Light".

MONSTER SPOTS LIGHTS

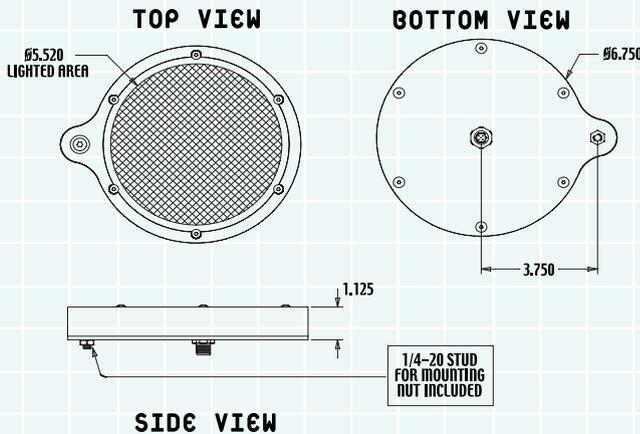
SP1.25 MONSTER SPOT MOUNT



SP3.25 SPOT MOUNT



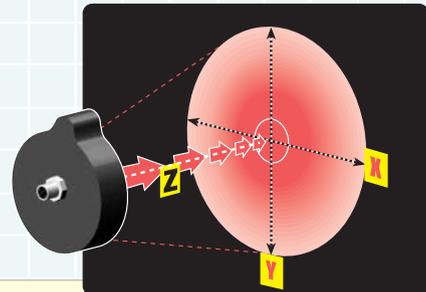
SP5.5 SPOT MOUNT



ALL MONSTER SPOT LIGHTS ARE EQUIPPED WITH 5-PIN REVERSE KEYED EUROFAST CONNECTOR

WARNING!!!

USE ONLY SPECTRUM ILLUMINATION LDM FAMILY ADAPTERS. DO NOT CONNECT LIGHT TO 24VDC DIRECTLY. FAILURE TO FOLLOW THESE DIRECTIONS WILL RESULT IN PREMATURE LED FAILURE AND VOID THE WARRANTY.



Note: These light measurements are approximations and may differ according to individual applications

SP1.25 ILLUMINATOR

Narrow (Std.) LENS		Medium LENS		Wide (F) LENS	
Working Distance	Pattern	Working Distance	Pattern	Working Distance	Pattern
Z	Y=X	Z	Y=X	Z	Y=X
12" (1')	1.5	12" (1')	1.9	6"	1.3
24" (2')	3	24" (2')	3.8	12" (1')	2.6
48" (4')	6	48" (4')	7.5	24" (2')	5.3
72" (6')	9	72" (6')	11.3	48" (4')	10.5
96" (8')	15	96" (8')	18.8	72" (6')	15.8
120" (10')	18	120" (10')	22.5	96" (8')	26.3
				120" (10')	31.6

SP3.25 ILLUMINATOR

Narrow (Std.) LENS		Medium LENS		Wide (F) LENS	
Working Distance	Pattern	Working Distance	Pattern	Working Distance	Pattern
Z	Y=X	Z	Y=X	Z	Y=X
12" (1')	2	12" (1')	2.5	6"	1.8
24" (2')	4	24" (2')	5.0	12" (1')	3.5
48" (4')	8	48" (4')	10.0	24" (2')	7.0
72" (6')	12	72" (6')	15.0	48" (4')	14.0
96" (8')	16	96" (8')	20.0	72" (6')	21.1
120" (10')	20	120" (10')	25.0	96" (8')	28.1
				120" (10')	35.1

SP5.5 ILLUMINATOR

Narrow (Std.) LENS		Medium LENS		Wide (F) LENS	
Working Distance	Pattern	Working Distance	Pattern	Working Distance	Pattern
Z	Y=X	Z	Y=X	Z	Y=X
12" (1')	2.5	12" (1')	3.1	6"	2.2
24" (2')	5	24" (2')	6.3	12" (1')	4.4
48" (4')	10	48" (4')	12.5	24" (2')	8.8
72" (6')	15	72" (6')	18.8	48" (4')	17.5
96" (8')	20	96" (8')	25.0	72" (6')	26.3
120" (10')	25	120" (10')	31.3	96" (8')	35.1
				120" (10')	43.9



Can be directly mounted to various Smart Sensor Cameras (Please call)



MONSTER RING LIGHTS

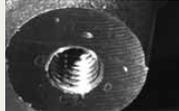
6 Typical Applications: *The need for direct illumination at specific angles and distances.*

SIZES		Number of HB LED Light Engines	DRIVERS	
Light Output Area				
RL2.5	2.5" dia.	4	LDM350/2	
RL3.5	3.5" dia.	6	LDM700	
RL5.5	5.5" dia.	12	LDM700	
RL8.5	8.5" dia.	10	LDM700	
RL13.5	13.5" dia.	20	LDM1400	
RL19.5	19.5" dia.	30	LDM2100	
RL30.5	30.5" dia.	48	LDM2800	

WORKABLE SURFACES



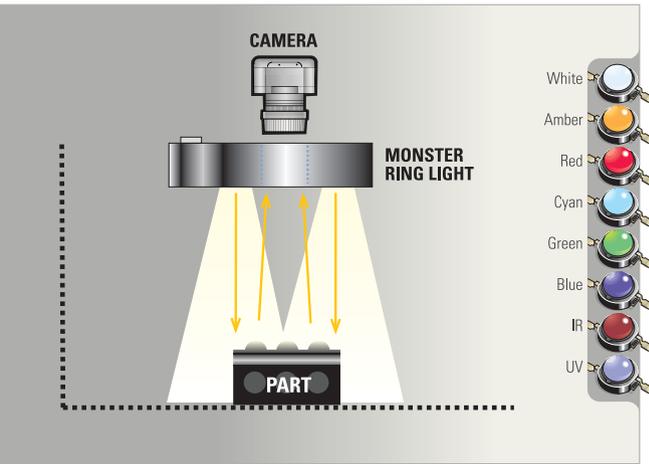
Threaded work



Thread Detection



Cracks in stamping



Included with all Monster Lights

LDM DIN Rail mount driver & 12' cable.



Input 24VDC Power (customer supplied)

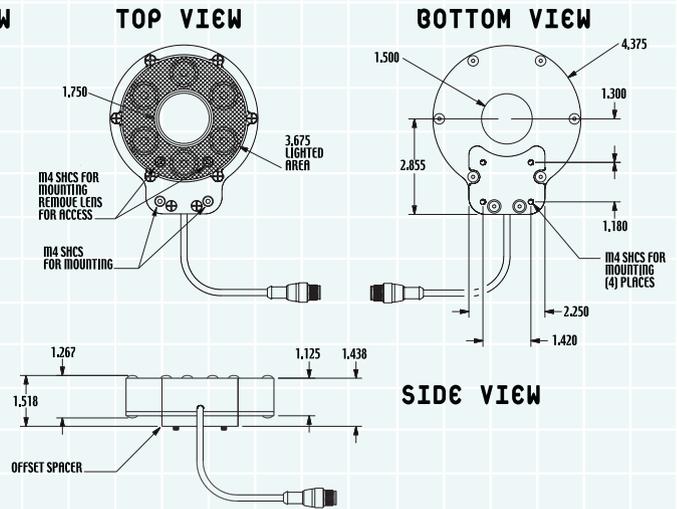
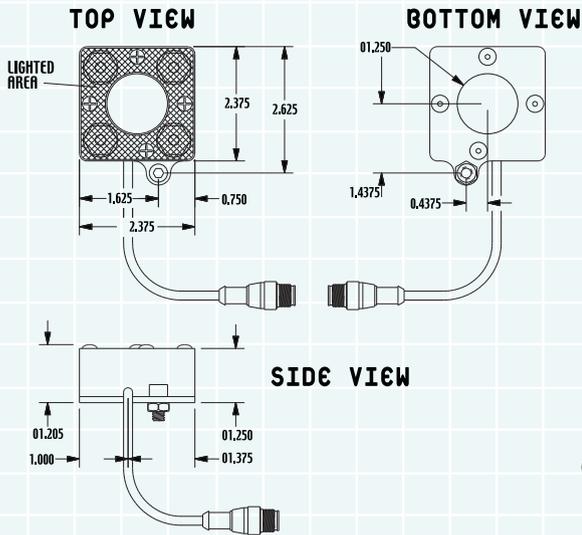
Patent Pending

Monster Ring light- known as bright field illumination: Used for direct lighting. Light is aimed directly at an object, often creating distinct shadows. This type of lighting is effective when used on objects requiring high degrees of contrast, but creates specular reflections when used with shiny or reflective materials. For example; looking for presents or absents of "0" rings black absorbs light while the metal reflects the surface back to the camera.

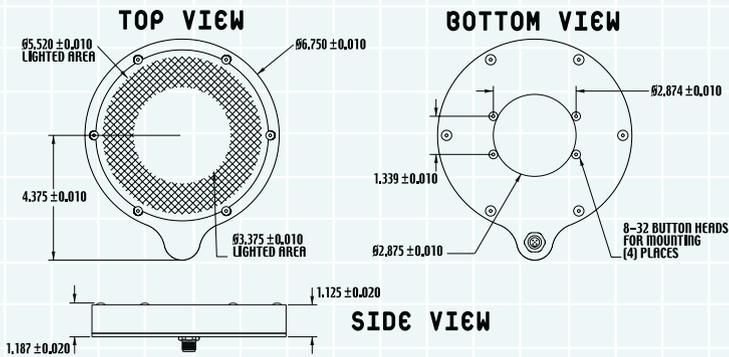
MONSTER RING LIGHTS

RL2.5 MONSTER RING MOUNT

RL3.5 MONSTER RING MOUNT



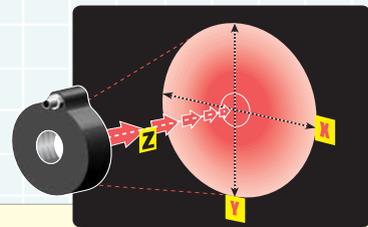
RL5.5 MONSTER RING MOUNT



ALL MONSTER SPOT LIGHTS ARE EQUIPPED WITH 5-PIN REVERSE KEVED EUROFAST CONNECTOR

WARNING!!!

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Note: These light measurements are approximations and may differ according to individual applications

RL2.5 ILLUMINATOR

Wide (Std.) (F) LENS		Medium LENS		Narrow /12 LENS	
Working Distance	Pattern	Working Distance	Pattern	Working Distance	Pattern
Z	Y=X	Z	Y=X	Z	Y=X
6" Minimum working distance to object					
Minimum 6"	1.5	48" (4')	7.1	48" (4')	5.7
12" (1')	3	72" (6')	10.0	72" (6')	8.0
24" (2')	6	96" (8')	12.8	96" (8')	10.3
48" (4')	10	120" (10')	15.7	120" (10')	12.5
72" (6')	14				
96" (8')	18				
120" (10')	22				

RL2.5 comes standard with wide lenses

RL3.5 ILLUMINATOR

Narrow (Std.) LENS		Medium LENS		Wide (F) LENS	
Working Distance	Pattern	Working Distance	Pattern	Working Distance	Pattern
Z	Y=X	Z	Y=X	Z	Y=X
6" Minimum working distance to object					
12" (1')	2	12" (1')	2.5	Minimum 6"	1.8
24" (2')	5	24" (2')	6.3	12" (1')	3.5
48" (4')	9	48" (4')	11.3	24" (2')	8.8
72" (6')	13	72" (6')	16.3	48" (4')	15.8
96" (8')	17	96" (8')	21.3	72" (6')	24.6
120" (10')	21	120" (10')	26.3	96" (8')	29.8
				120" (10')	36.8

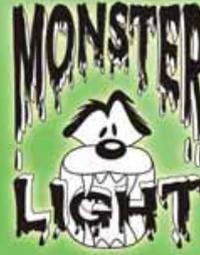
RL5.5 ILLUMINATOR

Narrow (Std.) LENS		Medium LENS		Wide (F) LENS	
Working Distance	Pattern	Working Distance	Pattern	Working Distance	Pattern
Z	Y=X	Z	Y=X	Z	Y=X
6" Minimum working distance to object					
12" (1')	3	12" (1')	3.8	Minimum 6"	2.6
24" (2')	6	24" (2')	7.5	12" (1')	5.3
48" (4')	10	48" (4')	12.5	24" (2')	10.5
72" (6')	14	72" (6')	17.5	48" (4')	17.5
96" (8')	18	96" (8')	22.5	72" (6')	24.6
120" (10')	22	120" (10')	27.5	96" (8')	31.6
				120" (10')	38.6

Call for measurements for the following:

RL8.5 ILLUMINATOR, RL13.5 ILLUMINATOR, RL19.5 ILLUMINATOR, RL30.5 ILLUMINATOR

- Compact Size
- 24 VDC
- DIN Rail Mount Driver
- longer lengths available



SPECTRUM ILLUMINATION



MONSTER LINEAR LIGHTS

8 Typical Applications: *The need for a narrow direction of high condensing illumination.*

SIZES		Number of HB LED Light Engines	DRIVERS	
Light Lengths				
LL16	1" x 6"	6	LDM350/3 (except in IR)	
LL26	2" x 6"	12	LDM 700	
LL111.5	1" x 11.5"	12	LDM 700	
LL123	1" x 23"	24	LDM1400	
LL34.5	1" x 34.5"	36	LDM2100	
LL146	1" x 46"	48	LDM2800	
LL157	1" x 57.5"	60	LDM2800	
LL80.5	1" x 80.5"	84	LDM4900	

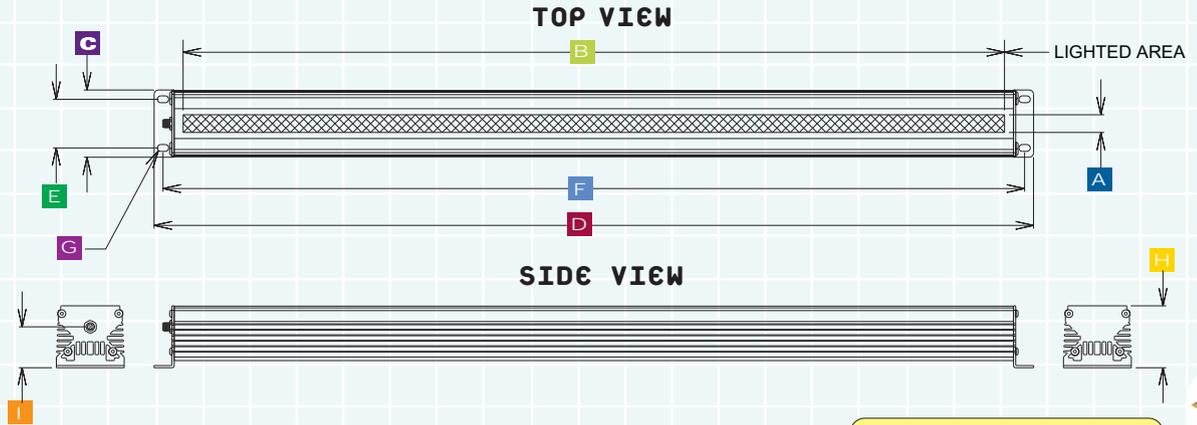
WORKABLE SURFACES		
Cavities on cast part	Automotive Shifter	Pin Stamp Gear Box

Included with all Monster Lights
LDM DIN Rail mount driver & 12' cable.



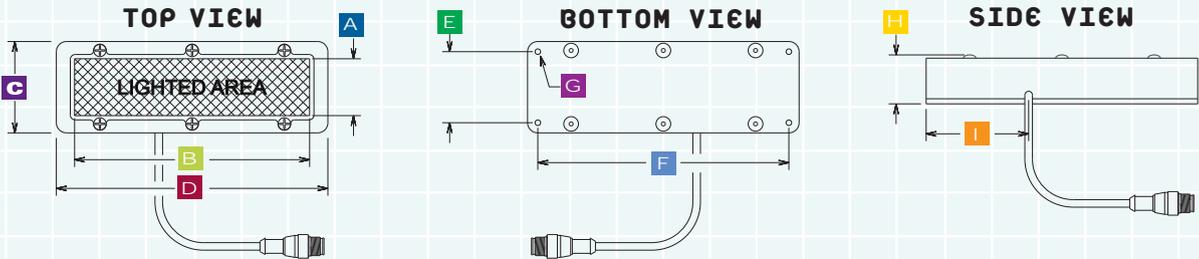
Monster Linear Lights – Known as the bright field type of light. Lighting is aimed directly at an object, often creating distinct shadows. This type of lighting is effective when used to illuminate a large part from longer distances. Other applications include the ability to flood a large area of inspection with light. This light is a popular tool for robotic applications.

LINEAR LIGHTS

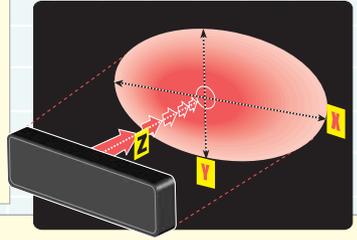


WARNING!!!
 USE ONLY SPECTRUM ILLUMINATION LDM FAMILY ADAPTERS. DO NOT CONNECT LIGHT TO 24VDC DIRECTLY. FAILURE TO FOLLOW THESE DIRECTIONS WILL RESULT IN PREMATURE LED FAILURE AND VOID THE WARRANTY.

	A	B	C	D	E	F	G	H	I
LL146	1"	46"	3.8"	49.25"	2.75"	48.25"	4 x 3/8" Slotted Hole	3.5"	2.31"
LL157.5	1"	57.5"	3.8"	60.75"	2.75"	59.75"	4 x 3/8" Slotted Hole	3.5"	2.31"
LL180.5	1"	80.5"	3.8"	83.75"	2.75"	82.75"	4 x 3/8" Slotted Hole	3.5"	2.31"



	A	B	C	D	E	F	G	H	I
LL16	1.400"	5.734"	2.25"	6.625"	1.75"	6.125"	4 x 8-32 Threads .500" Deep	1.205"	2.5"
LL26	2.250"	6.25"	3.25"	7.25"	2.75"	6.75"	4 x 8-32 Threads .500" Deep	1.205"	2.5"
LL111.5	1.500"	11.5"	2.5"	12.5"	2"	11.5"	4 x 8-32 Threads .500" Deep	1.205"	2.5"
LL123	1.500"	23"	2.5"	24"	2"	23"	4 x 8-32 Threads .500" Deep	1.355"	2.5"
LL134.5	1.500"	34.5"	2.5"	35.5"	2"	34.5"	4 x .25"-20 Threads .500" Deep	1.355"	2.5"

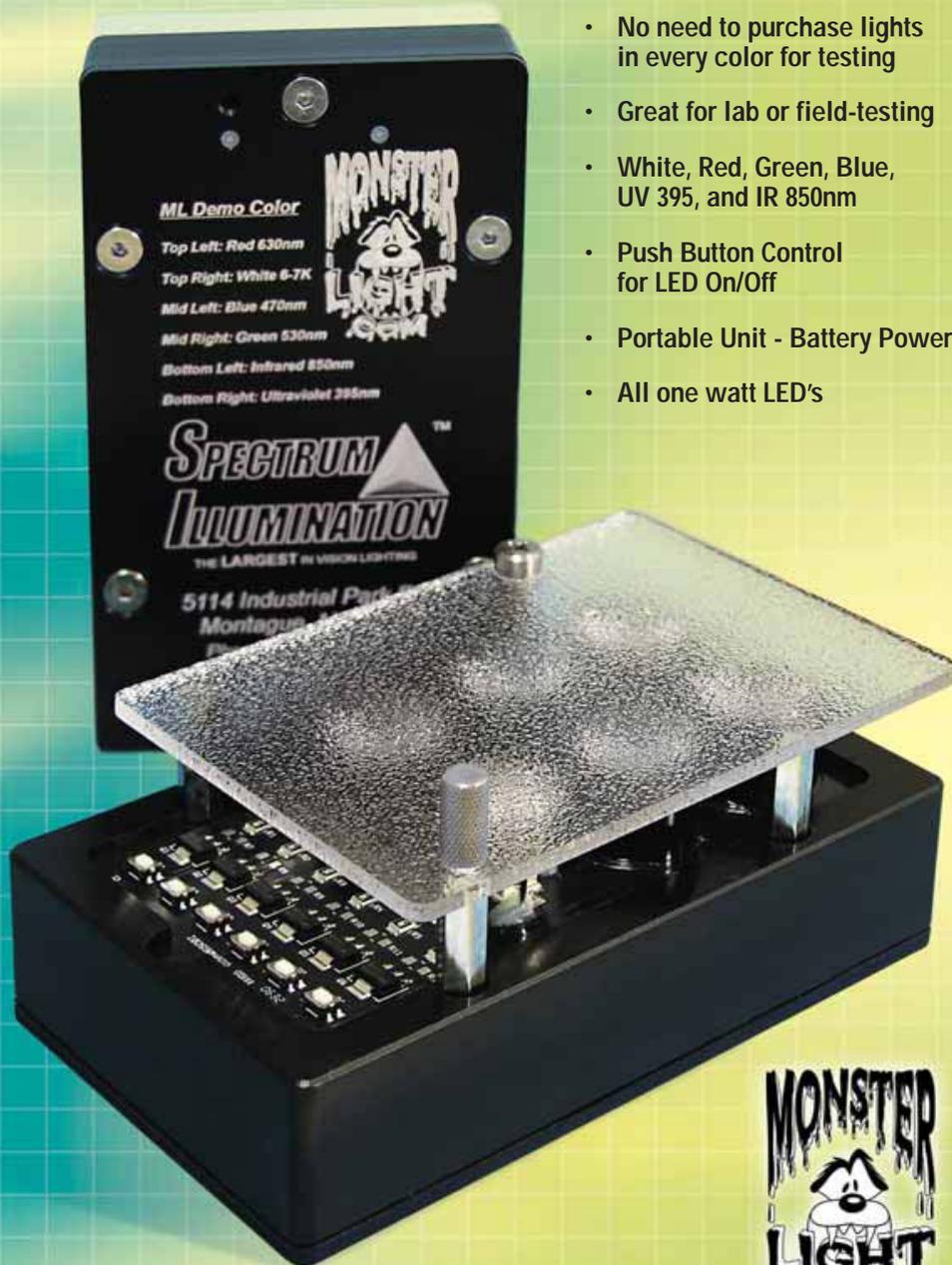


Note: These light measurements are approximations and may differ according to individual applications

LL16 ILLUMINATOR						LL26 ILLUMINATOR						LL111.5 ILLUMINATOR					
Standard LENS		50 LENS		F (90) LENS		Standard LENS		50 LENS		F (90) LENS		Standard LENS		50 LENS		F (90) LENS	
Working Distance	Pattern	Working Distance	Pattern	Working Distance	Pattern	Working Distance	Pattern	Working Distance	Pattern	Working Distance	Pattern	Working Distance	Pattern	Working Distance	Pattern	Working Distance	Pattern
Z	Y=X	Z	Y=X	Z	Y=X	Z	Y=X	Z	Y=X	Z	Y=X	Z	Y=X	Z	Y=X	Z	Y=X
24" (2')	3" x 5"	24" (2')		24" (2')	6" x 10"	24" (2')	4 x 5	24" (2')		24" (2')		12" (1')	3 x 9	24" (2')		24" (2')	5.3 x 15.8
24" (2')	3" x 5"	24" (2')		24" (2')	6" x 10"	24" (2')	4 x 5	24" (2')		24" (2')		24" (2')	3 x 9	24" (2')		24" (2')	5.3 x 15.8
48" (4')	7" x 9"	48" (4')		48" (4')	13" x 16"	48" (4')	8" x 9"	48" (4')		48" (4')		48" (4')	7 x 13	48" (4')		48" (4')	12.3 x 22.8
72" (6')	11" x 13"	72" (6')		72" (6')	11" x 13"	72" (6')	12" x 13"	72" (6')		72" (6')		72" (6')	11" x 17"	72" (6')		72" (6')	
96" (8')	15" x 17"	96" (8')		96" (8')	15" x 17"	96" (8')	16" x 17"	96" (8')		96" (8')		96" (8')	15" x 21"	96" (8')		96" (8')	
120" (10')	19" x 21"	120" (10')		120" (10')	19" x 21"	120" (10')	20" x 21"	120" (10')		120" (10')		120" (10')	19" x 25"	120" (10')		120" (10')	

Call for distance measurements for the following:
LL123 ILLUMINATOR, LL134.5 ILLUMINATOR, LL146 ILLUMINATOR, LL157.5 ILLUMINATOR, LL180.5 ILLUMINATOR

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.

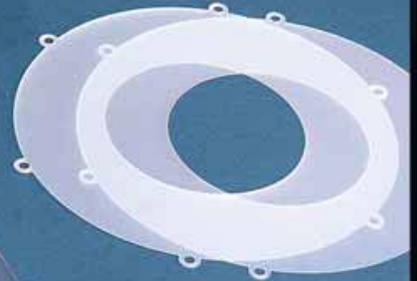


Shower Glass Diffused:
Standard on all front lights.



Clear Diffused: Standard on UV lights.

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



PART NUMBER ORDERING

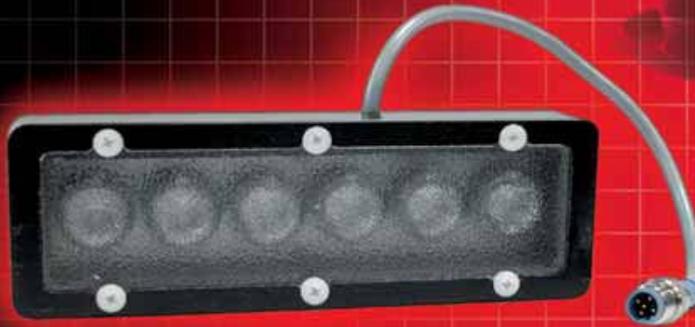
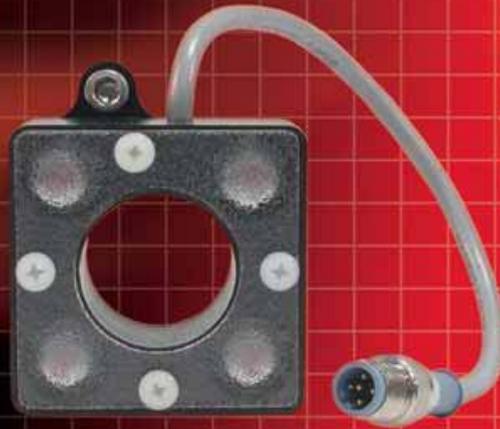
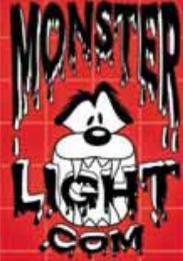
Example of part number system



LL 16 - 630/F/P/V

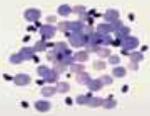
LIGHT TYPE	SIZE IN INCHES		COLOR OF LIGHT	LENS TYPE	FILTER TYPE	OPTIONAL DRIVERS
LL = Linear RL = Ring SP = Spot BP = Back DL = Dome OL = Oxy Wxx = Wash Down WLL = Linear WRL = Ring WSP = Spot WBP = Back	X	Y	880 IR 850 IR 660 RED 630 RED 530 GREEN 505 CYAN 470 BLUE 395 UV 365 UV WHI WHITE	S = Standard (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

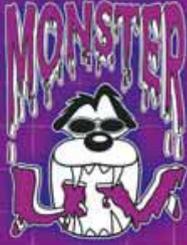
3X Brighter than the red LED (630) light.



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.



DOME LIGHT; also called a Light Tent and or Cloudy Day Light.



Domes provide a uniform illumination with no reflections or shadows.

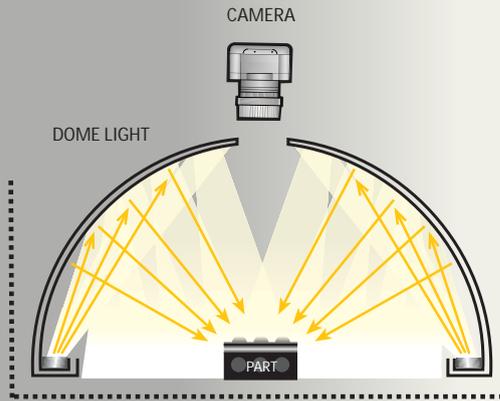
SPECTRUM ILLUMINATION

MONSTER DOME LIGHTS

14 Typical Applications: Dome Lights are best used on curved reflective surfaces.

SI ZES		Number of HB LED Light Engines		DRI VERS	
DL7.25	7.25 dia.	10		LDM 700	
DL12.25	12.25 dia.	20		LDM 1400	
DL 18.25	18.25 dia.	30		LDM 2100	
DL29.25	29.25 dia.	48		LDM 2800	

WORKABLE SURFACES	
	
Seal inspection	Circular Saw blade



CAMERA

DOME LIGHT

PART

- White 
- Amber 
- Red 
- Cyan 
- Green 
- Blue 
- IR 
- UV 

Included with all Monster Lights
LDM DIN Rail mount driver & 12 cable.

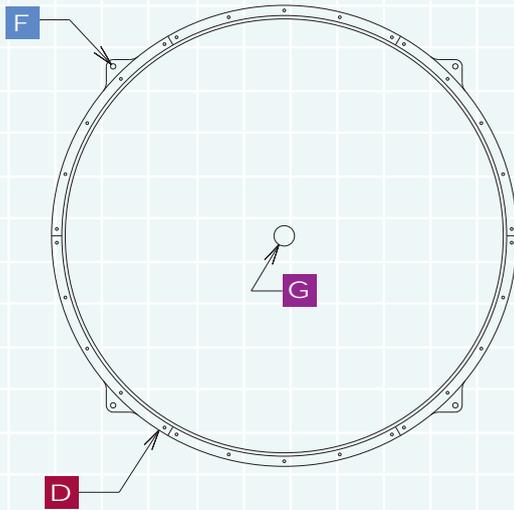


Domes provide uniform illumination with no reflections or shadows. Ideal for highly reflective parts if your application requires even lighting over the area of inspection.

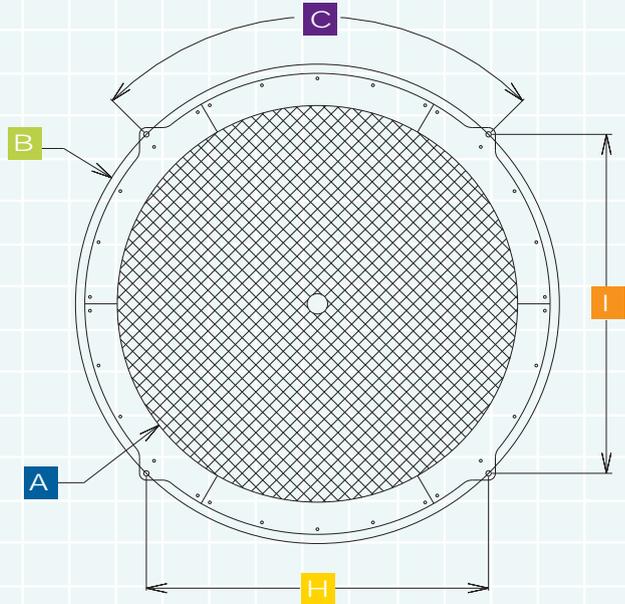


MONSTER DOME LIGHTS

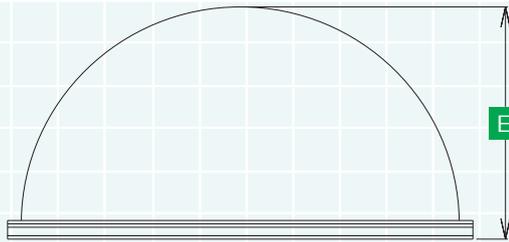
TOP VIEW



BOTTOM VIEW



SIDE VIEW



THIS DIMENSION IS APPROXIMATE

WARNING!!!

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	A	B	C	D	E	F	G	H	I
DL7.25	7.25"	13"	180°	12"	6.225"	2" x .375"	1"	13"	N/A
DL12.25	12.25"	18"	180°	16.875"	8.725"	2" x .375"	1.5"	18"	N/A
DL18.25	18.25"	24.5"	120°	23.125"	11.225"	3" x .375"	1.5"	18.375"	18.375"
DL29.25	29.25"	35.355"	90°	34"	17.125"	4" x .386"	1.5"	25"	25"

- Built in Strobe
- 24VDC
- Industrial Connector



LED BACK LIGHTS

16 Typical Applications: Illumination for profiling the part.

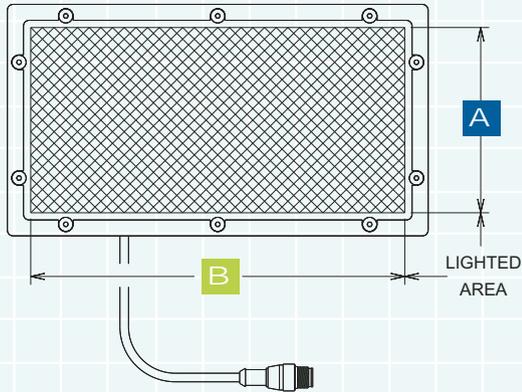
<p>SIZES</p> <p>1" x 4" 1" x 8" 2" x 2" 2" x 4" 2" x 6" 3" x 4" 3" x 12" 4" x 4" 4" x 6" 4" x 8" 5" x 6" 6" x 6" 6" x 8" 8" x 8" 8" x 12" 10" x 10" 12" x 12"</p>	<p><i>Custom and larger sizes available.</i></p> <p><i>Backlights run directly on 24 VDC & have strobe control. Backlights come with standard 4 pin m12 connector</i></p>	<div data-bbox="1249 988 1363 1210"> <p>White Red IR Green Blue</p> </div> <p><i>Other colors are available upon request</i></p>
<p>WORKABLE SURFACES</p> <p>Cast Iron Part</p>		

Larger custom sizes are available upon request.

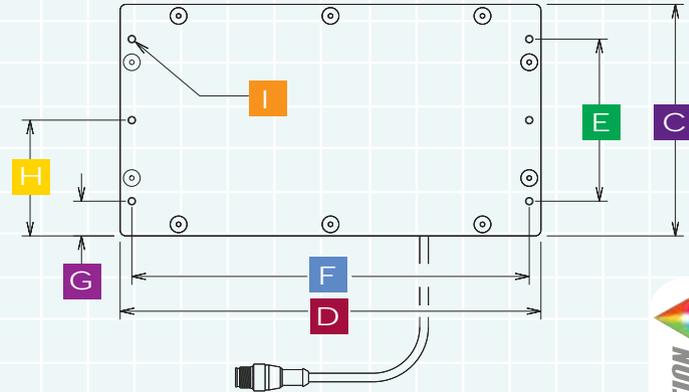
Spectrum Illumination LED Back Lights come in small 2"x 2" thru standard 12"x 12" sizes. Larger sizes are available. Back Lights have hundreds of SMT LED's with a standard 4 pin industrial connector. Back Lights come in 24 Volt DC for the industrial environment. These sturdy lights are housed in a durable industrial Delrin and aluminum enclosure. Back Lights can be strobed or continuous for the output. Available in Red, White, Blue, Green and Infrared versions.

LED BACK LIGHTS

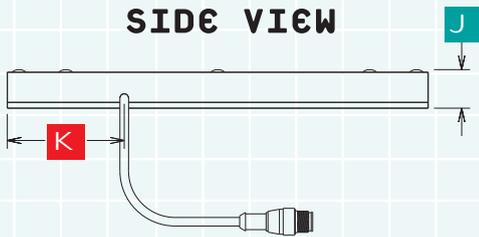
TOP VIEW



BOTTOM VIEW



SIDE VIEW



	A	B	C	D	E	F	G	H	I	J	K
BL14	1"	4"	2"	5"	1.50"	4.50"	.25"	N/A	4 x 8-32 Threads .500" Deep	.850"	2.500"
BL18	1"	8"	2"	9"	1.50"	8.50"	.25"	N/A	4 x 8-32 Threads .500" Deep	.850"	2.500"
BL22	2"	2"	3"	3"	2.50"	2.50"	.25"	N/A	4 x 8-32 Threads .500" Deep	.850"	2.250"
BL24	2"	4"	3"	5"	1.00"	4.50"	1.00"	N/A	2 x 8-32 Threads .500" Deep	.850"	2.500"
BL26	2"	6"	3"	7"	1.00"	6.50"	1.00"	N/A	2 x 8-32 Threads .500" Deep	.850"	2.500"
BL210	2"	10"	3"	11"	2.50"	10.50"	.25"	N/A	4 x 8-32 Threads .500" Deep	.850"	2.500"
BL34	3"	4"	4"	5"	2.50"	4.50"	.75"	N/A	4 x 8-32 Threads .500" Deep	.850"	2.500"
BL312	3"	12"	4"	13"	2.50"	12.50"	.75"	N/A	4 x 8-32 Threads .500" Deep	.850"	2.500"
BL44	4"	4"	5"	5"	3.50"	4.50"	.75"	N/A	4 x 8-32 Threads .500" Deep	.850"	2.500"
BL46	4"	6"	5"	7"	3.50"	6.50"	.75"	N/A	4 x 8-32 Threads .500" Deep	.850"	2.500"
BL48	4"	8"	5"	9"	3.50"	8.50"	.75"	N/A	4 x 8-32 Threads .500" Deep	.850"	2.500"
BL56	5"	6"	6"	7"	4.50"	6.50"	.75"	N/A	4 x 8-32 Threads .500" Deep	.850"	2.500"
BL66	6"	6"	7"	7"	5.50"	6.50"	.75"	N/A	4 x 8-32 Threads .500" Deep	.850"	2.500"
BL68	6"	8"	7"	9"	5.50"	8.50"	.75"	N/A	4 x 8-32 Threads .500" Deep	.850"	2.500"
BL88	8"	8"	9"	9"	7.50"	8.50"	.75"	N/A	4 x 8-32 Threads .500" Deep	.850"	2.500"
BL812	8"	12"	9"	13"	7.50"	12.50"	.75"	N/A	4 x 8-32 Threads .500" Deep	.850"	2.500"
BL1010	10"	10"	11"	11"	9.50"	10.50"	.75"	N/A	4 x 8-32 Threads .500" Deep	.850"	2.500"
BL1212	12"	12"	13"	13"	11.50"	12.50"	.75"	6.50"	6x 8-32 Threads .500" Deep	.850"	2.500"



WASH DOWN LIGHTS

18 Typical Applications: *Direct illumination for Harsh Environments*

TYPE	SIZES	DRIVERS	
WSP1.25 Spot Light	1.25" dia.	LDM 350/1	<ul style="list-style-type: none"> • Natural Delrin • 316 Stainless Steel • FDA Compliant • Meets IP68 Standards • Constant or Strobed Operation • Low voltage 24 VDC 
WSP3.25 Spot Light	3.25" dia.	LDM 350/3 <i>(Except IR)</i>	
WRL4 Ring Light	4" dia.	No Driver	
WLL16 Linear Light	1" x 6"	LDM 350/3 <i>(Except IR)</i>	
WLL111.5 Linear Light	1" x 11.5"	LDM 700	
WLL123 Linear Light	1" x 23"	LDM 1400	
WBL48 Back Light	4" x 8"	No Driver	
WBL812 Back Light	8" x 12"	No Driver	

Included with all Monster Lights

LDM DIN Rail mount driver & 12' cable.



Patent Pending

Input
24VDC
Power

(customer supplied)

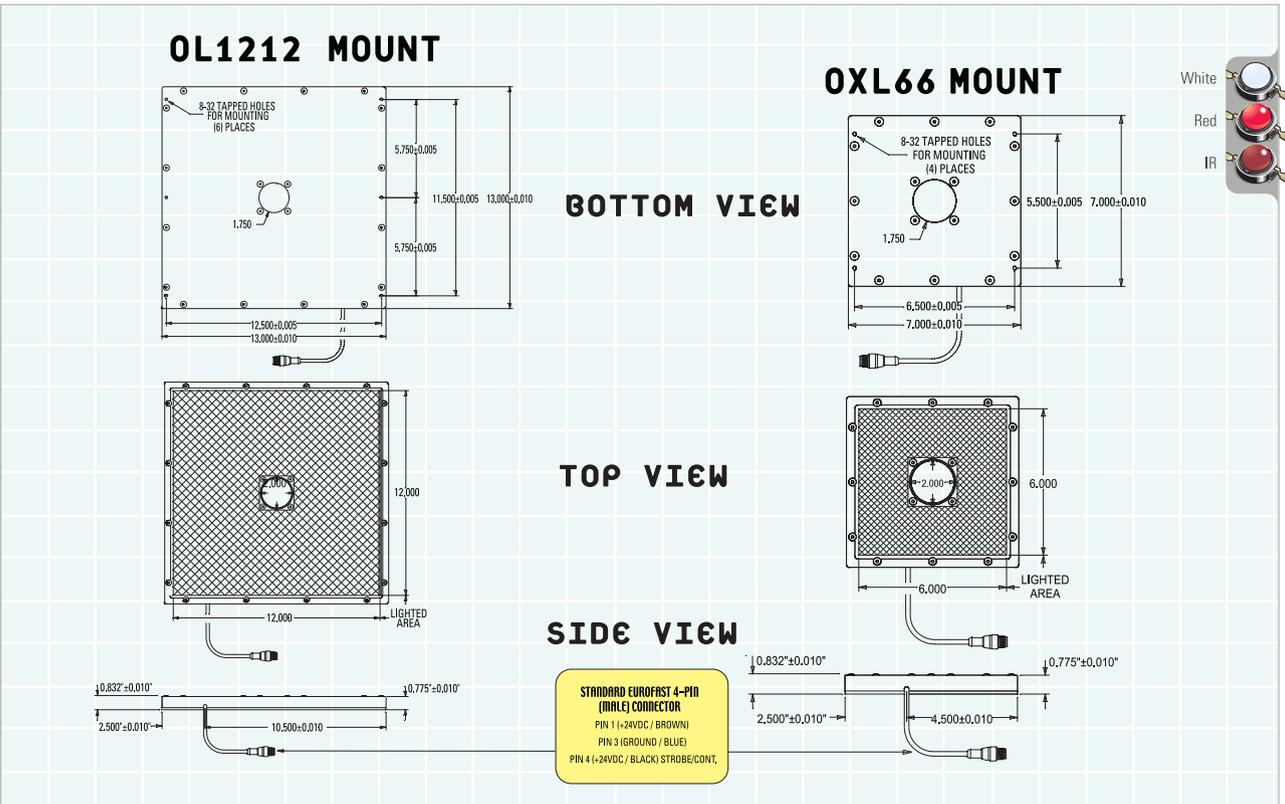
Spectrum Illumination's wash down lights are great performers. Environments such as the food and drug industries have proven these heavy-duty lights to be super tough. Need to strobe? Our lights have this function built in. No additional hardware needed.

- 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.*



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
- 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).



EMERGING TECHNOLOGY

Monster Brain Lighting Controller

As seen in
Advanced
Imaging

One SMART Little Monster!



- Ethernet Controller with embedded web server
- Programmable through your web browser
- No software to load
- Compact design
- DIN rail mountable
- Store up to 32 product ID settings
- 4 user definable strobe channels or
- 3 user definable variable intensity channels
- 2 camera trigger outputs

Monster Brain

The next generation in lighting control

SPECTRUM ILLUMINATION

5114 Industrial Park Road, Montague MI 49437 | Phone(231)894-4590 | Fax(231)894-4582 | www.spectrumillumination.com

Spectrum Illumination
Industrial Park Road
Montague MI 49437
(231) 894-4590
(231) 894-4582
spectrumillumination.com

Since the start of Spectrum Illumination, we realized that we needed to be different if we were going to succeed in the vision lighting market. We offer a full solution product (light, cable, and strobe driver) for a low cost price. While we continue to add new lights to our Monster line, we asked ourselves what could we be doing better?

After requests by many of our customers for a lighting controller, we have developed the Monster Brain. The Monster Brain is an Ethernet controller with an embedded web server that allows configuration using a web browser, no software to install. It is

capable of controlling multiple LDM drivers from a single trigger input via DIN rail bus connector.

Four strobe channels have independent on, off and delay times with burst mode setting. If used with ALDM drivers up to three of the strobe channels can be set to control the light intensity with 0-10V outputs. The light output can be adjusted independently on three of the channels from 10 percent to 100 percent current output. Two camera trigger outputs with programmable delays can be used to ensure that the light is at 100 percent before taking an image. Up to 32 product ID settings can be stored and selected via web page or hardware inputs. The trigger input has a programmable debounce setting to block false triggers. The scheduled release for this new product is the 1st quarter of 2007.

One SMART Little Monster!



- Ethernet Controller with embedded web server
- Programmable through your web browser
- No software to load
- Compact design
- DIN rail mountable
- Store up to 32 product ID settings
- 4 user definable strobe channels or
- 3 user definable variable intensity channels
- 2 camera trigger outputs

Monster Brain

The next generation in lighting control

SPECTRUM ILLUMINATION
THE LARGEST IN VISION LIGHTING

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For free info, visit advancedimagingpro.com & click e-inquiry, indicate #046

custom light specification

Company Name: _____

Customer Name: _____

Phone Number: _____

Address: _____

Address: _____

City _____ State _____ Country _____ Zip Code _____

Type of light _____

Approximate size of light required _____

Wave Length of light (Color) _____

Housings:

Water Proof Standard Explosion Proof

Lens:

Thin Film White Defused Clear Shower Glass Polarizer

Working distance to part _____

Strobe _____ Non Strobe _____

Type of camera used _____

Speed of line _____

Field of view of camera (FOV) _____

Color of parts _____

How many different styles _____

How many lights required for product _____

Time frame for delivery of lights _____

For price and delivery send to: engineering@spectrumillumination.com or Please fill out and fax to Spectrum Illumination 231-894-4582. Attention engineering department. Or download form from web site www.spectrumillumination.com.



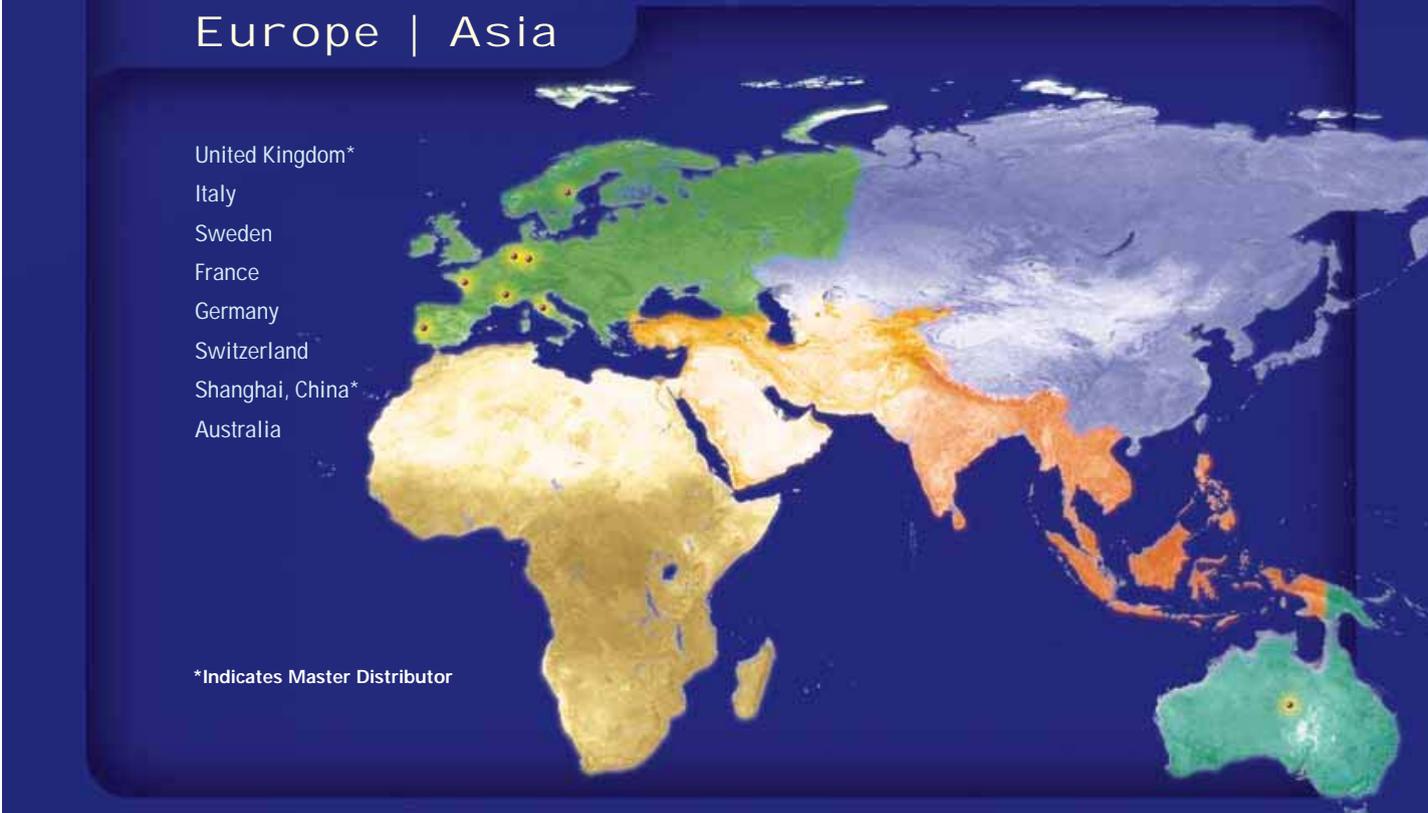
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