



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**



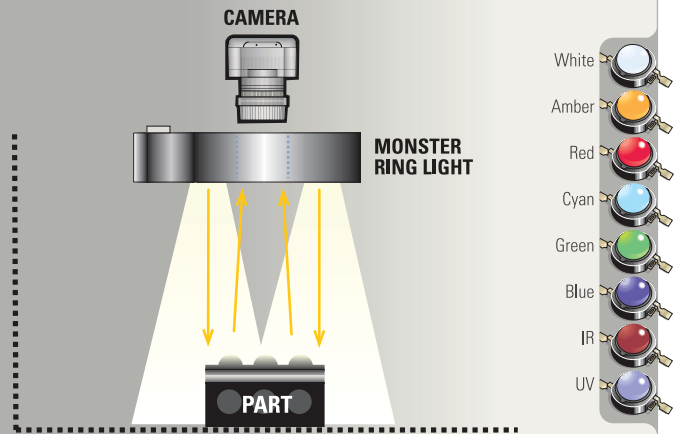
Threaded work



Thread Detection



Cracks in stamping



**Included with all Monster Lights**

LDM DIN Rail mount driver & 12' cable.



Patent Pending

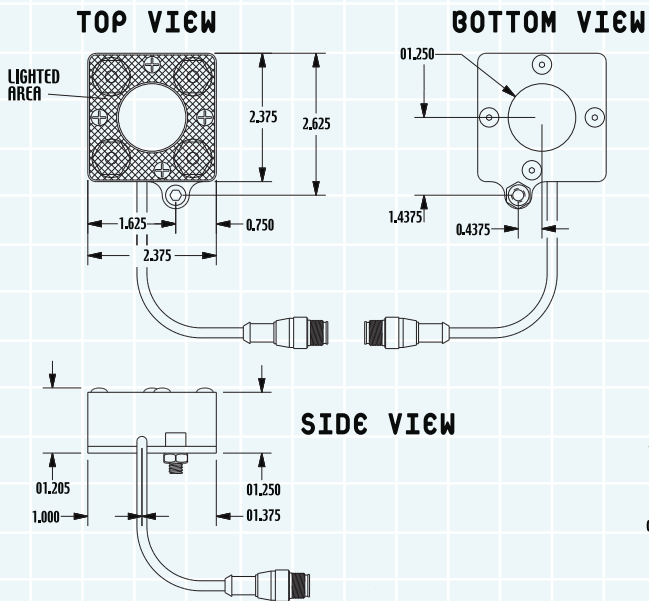
Input 24VDC Power (customer supplied)

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.

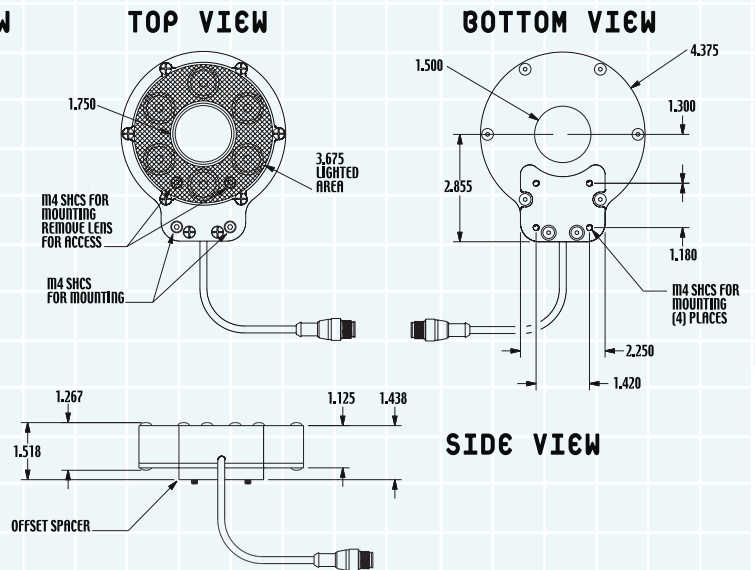


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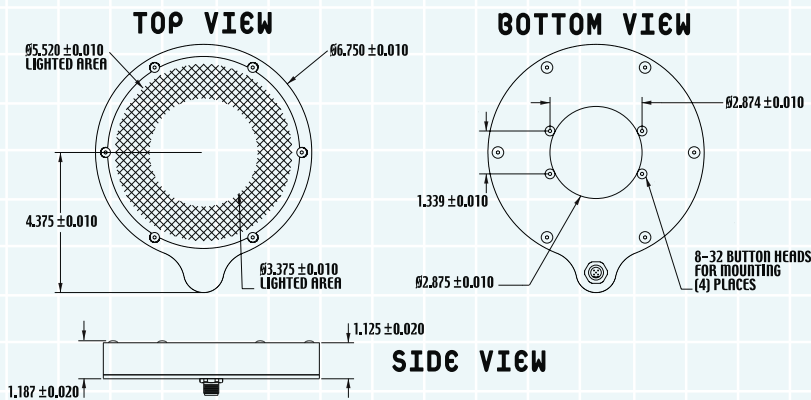
## RL2.5 MONSTER RING MOUNT



## RL3.5 MONSTER RING MOUNT



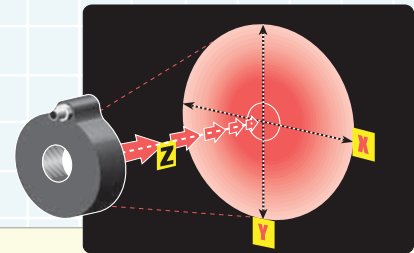
## RL5.5 MONSTER RING MOUNT



ALL MONSTER SPOT LIGHTS ARE EQUIPPED WITH 5-PIN REVERSE 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

### 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		12" (1')	2.1	12" (1')	1.7
		24" (2')	4.3	24" (2')	3.4
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
12" (1')	2	12" (1')	2.5	6" Minimum working distance to object	
24" (2')	5	24" (2')	6.3		
48" (4')	9	48" (4')	11.3	Minimum 6"	1.8
72" (6')	13	72" (6')	16.3	12" (1')	3.5
96" (8')	17	96" (8')	21.3	24" (2')	8.8
120" (10')	21	120" (10')	26.3	48" (4')	15.8
				72" (6')	24.6
				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
12" (1')	3	12" (1')	3.8	6" Minimum working distance to object	
24" (2')	6	24" (2')	7.5		
48" (4')	10	48" (4')	12.5	Minimum 6"	2.6
72" (6')	14	72" (6')	17.5	12" (1')	5.3
96" (8')	18	96" (8')	22.5	24" (2')	10.5
120" (10')	22	120" (10')	27.5	48" (4')	17.5
				72" (6')	24.6
				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**



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