

# MetaLight™ 3 - Ring Off-Axis Ring Light

Model#: TOARL221



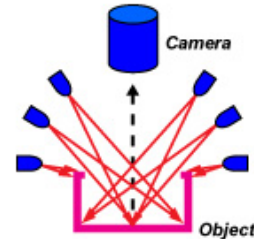
- Horizontal Plane of Light
- Useful for Highlighting Surface Defects
- Illuminates Specular Surfaces
- Configurable for Wavelength
- Economical, High Power
- Additional Ring at larger incident angle for flexible illumination

Part #	Color	Power Supply	Specifications:
TOARL221-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption 0.6A
TOARL221-R-24	Red 630nm		Individual Ring Draw 0.2A
TOARL221-B-24	Blue 455nm		Housing Anodized Aluminum
TOARL221-G-24	Green 530nm		Intensity Uniformity +/-5%
TOARL221-IRN-24	Infrared 850nm		Operating Temperature 120° F Max
TOARL221-IRL-24	Infrared 880nm		Compliance CE/RoHS
TOARL221-UVL-24	UV 395nm		Lifetime Hours 75,000 Hours
TOARL221-UVS-24	UV 365nm		

10 ft. flying leads come standard on all products.  
Light features built-in constant current driver.  
No expensive controller required.

### Angle of LED Rings

TOP RING - 45°  
CENTER RING - 20°  
BOTTOM RING - 20°



Active Area	Dimensions
Ø4.44in Aperture	L: 7in / 177.8mm
Ø112.7mm Aperture	W: 7in / 177.8mm
	H: 2.5in / 63.4mm

## ORDERING INFORMATION:

• T O A R L 2 2 1 -  - 2 4 -

<b>W</b>	White 5500k	<b>*BLANK</b>	10 ft. Flying Leads
<b>R</b>	Red 630nm	<b>T</b>	M12 Quick Disconnect
<b>G</b>	Green 530nm	<b>ILD</b>	In Line Dimmer
<b>B</b>	Blue 455 nm	<b>ILS</b>	In Line Strobe (customer provide trigger info)
<b>IRL</b>	Infrared 880nm		
<b>UVL</b>	(long) 395nm		
<b>UVS</b>	(short) 365nm		

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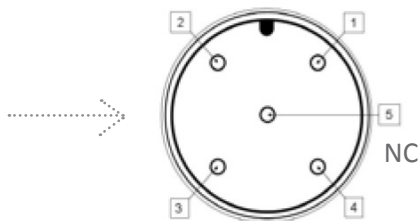
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### Wiring Diagram

Flying Leads	Function
RED	+24VDC
BLACK	Ground
WHITE	+24VDC
GREEN	Ground

### M12 Connector

PIN #	Function
1	+24VDC
2	0-10VDC Intensity Control
3	Ground
4	Signal Ground



24 AWG 4 WIRES CABLE X 1

When not using intensity control, connect 0-10V control line to +24 (Max Intensity Control = 25V) and intensity control ground to ground

### Drawing/Diagram

ELECTRICAL CABLE, 10 FT LG (4) CONDUCTOR, 22 AWG WITH FLYING LEAD WIRE ENDS

Ø 4.00 [101.6]

Ø 4.44 [112.7]

#8-32 UNC X 3/16 DP (4) PLACES

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	C	REDRAWN IN SOLIDWORKS, KW	4/30/2012	

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	<p>NEXT ASSY: USED ON:</p>	<p>APPLICATION: DO NOT SCALE DRAWING</p>	<p>Q.A. COMMENTS:</p>	<p>DRAWN: CHECKED: ENG APPR: MFG APPR:</p>	<p>TITLE: TRIPLE OFF AXIS RING LIGHT, 4 INCH</p>	<p>SIZE: DWG. NO. <b>B</b> TOARL201 REV <b>C</b></p>
					<p>SCALE: 1:2 WEIGHT: SHEET 1 OF 1</p>	
	<p>Pyramid Imaging</p> <p>945 East 11th Avenue Tampa, FL 33605</p> <p>sales@pyramidimaging.com</p> <p>www.pyramidimaging.com</p> <p>813-786-3785</p>					