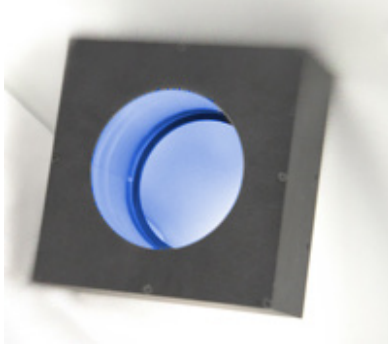


MetaLight™ 3 - Ring Off-Axis Ring Light

Model#: TOARL241



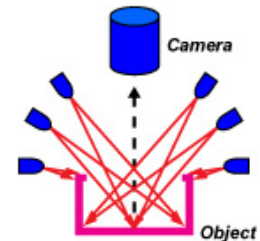
- Horizontal Plane of Light
- Useful for Highlighting Surface Defects
- Illuminates Specular Surfaces
- Configurable for Wavelength
- Economical, High Power
- Additional Ring at larger incident angle for flexible illumination

Part #	Color	Power Supply	Specifications:
TOARL241-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption 0.4A
TOARL241-R-24	Red 630nm		Individual Ring Draw 0.2A
TOARL241-B-24	Blue 455nm		Housing Anodized Aluminum
TOARL241-G-24	Green 530nm		Intensity Uniformity +/-5%
TOARL241-IRN-24	Infrared 850nm		Operating Temperature 120° F Max
TOARL241-IRL-24	Infrared 880nm		Compliance CE/RoHS
TOARL241-UVL-24	UV 395nm		Lifetime Hours 75,000 Hours
TOARL241-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 4 1 - - 2 4 -

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

MetaLight™ 3 - Ring Off-Axis Ring Light

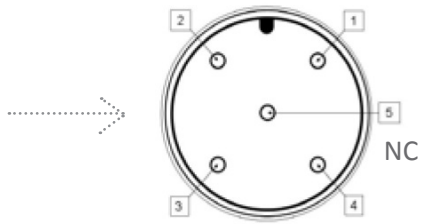
Model#: TOARL241

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

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

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

Pyramid Imaging
945 East 11th Avenue Tampa, FL 33605
sales@pyramidimaging.com
www.pyramidimaging.com
813-786-3785

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	METAPHASE TECHNOLOGIES, INC.
DIMENSIONS ARE IN INCHES		DRAWN	KW	4/25/2012
TOLERANCES:		CHECKED		TITLE:
FRACTIONALS 1/64		ENG APPR.		TRIPLE OFF AXIS RING LIGHT, 4 INCH
ANGULAR: MINUS 1/2° MINUS .01°		MEG APPR.		
TWO PLACE DECIMAL ±.01		Q.A.		
THREE PLACE DECIMAL ±.005		COMMENTS:		
INTERPRET GEOMETRIC TOLERANCING PER:		SIZE	DWG. NO.	REV
MATERIAL:		B	TOARL201	C
PROPRIETARY AND CONFIDENTIAL	TOARL241	SCALE: 1:2 WEIGHT: SHEET 1 OF 1		
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF	TOARL221			
REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OR	NEXT ASSY			
INFORMATION CONTAINED HEREIN IS PROHIBITED.	USED ON			
	APPLICATION	DO NOT SCALE DRAWING		