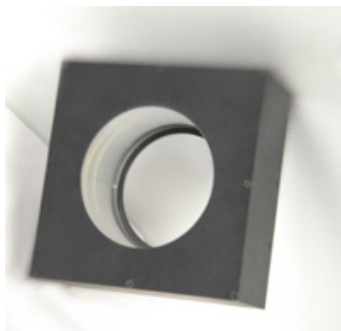


MetaLight™ 3 - Ring Off-Axis Ring Light Model#: TOARL201



- 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

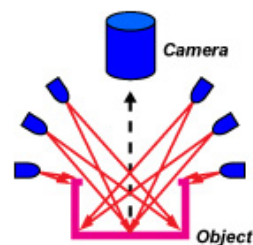
Part #	Color	Power Supply	Specifications:
TOARL201-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption 0.6A
TOARL201-R-24	Red 630nm		Individual Ring Draw 0.2A
TOARL201-B-24	Blue 455nm		Housing Anodized Aluminum
TOARL201-G-24	Green 530nm		Intensity Uniformity +/-5%
TOARL201-IRN-24	Infrared 850nm		Operating Temperature 120° F Max
TOARL201-IRL-24	Infrared 880nm		Compliance CE/RoHS
TOARL201-UVL-24	UV 395nm		Lifetime Hours 75,000 Hours
TOARL201-UVS-24	UV 365nm		

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

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

Angle of LED Rings

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



ORDERING INFORMATION:

• T O A R L 2 0 1 - - 2 4 -

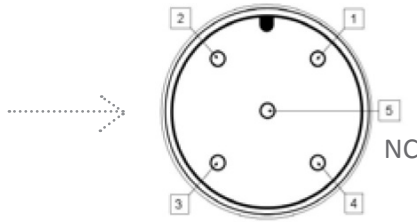
W	White 5500k	*BLANK	10 ft. Flying Leads
R	Red 630nm	T	M12 Quick Disconnect
G	Green 530nm	ILD	In Line Dimmer
B	Blue 455 nm	ILS	In Line Strobe (customer provide trigger info)
IRL	Infrared 880nm		
UVL	(long) 395nm		
UVS	(short) 365nm		

MetaLight™ 3 - Ring Off-Axis Ring Light Model#: TOARL201

Wiring Diagram

M12 Connector

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



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

2.23 [56.6]

.38 [9.5]

7.00 [177.8]

3.50 [88.9]

3.00 [76.2]

2.00 [50.8]

1.40 [35.6]

1.40 [35.6]

2.50 [63.4]

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

UNLESS OTHERWISE SPECIFIED:	NAME	DATE	METAPHASE TECHNOLOGIES, INC.
DIMENSIONS ARE IN INCHES	KW	4/25/2012	
TOLERANCES:			
FRACTIONAL ±1/64	DRAWN		
ANGULAR: MACH 1/2 ° BEND 1°	CHECKED		
TWO PLACE DECIMAL ±.01	ENG APPR.		
THREE PLACE DECIMAL ±.005	MFG APPR.		
	Q.A.		
	COMMENTS:		

TOARL241	INTERPRET GEOMETRIC TOLERANCING PER:		
TOARL221	MATERIAL		
NEXT ASSY	FINISH		
USED ON			
APPLICATION	DO NOT SCALE DRAWING		

PROPRIETARY AND CONFIDENTIAL			
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SIZE	DWG. NO.	REV
B	TOARL201	C
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1



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