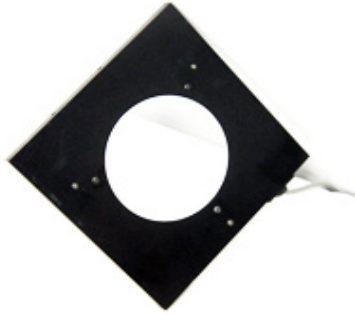


MetaLight™ 1- Ring Off-Axis Ring Light

Model#: OARL241



- Horizontal Plane of Light
- Useful for Highlighting Surface Defects
- Illuminates Specular Surfaces
- Configurable for Wavelength
- Economical

Part #	Color	Power Supply	Specifications:	
OARL241-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption	0.2A
OARL241-R-24	Red 630nm		Housing	Aluminum
OARL241-B-24	Blue 455nm		Finish	Black Anodized
OARL241-G-24	Green 530nm		Intensity Uniformity	+/-5%
OARL241-IRN-24	Infrared 850nm		Operating Temperature	120° F Max
OARL241-IRL-24	Infrared 880nm		Illuminance	12,000 Lux
OARL241-UVL-24	UV 395nm		Compliance	CE/RoHS
OARL241-UVS-24	UV 365nm		Lifetime Hours	75,000 Hours

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

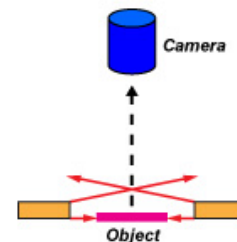
Active Area	Dimensions
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Ø4in Aperture
Ø101.6mm Aperture

L: 7in / 177.8mm
W: 7in / 177.8mm
H: 0.56in / 14.22mm

Angle of LED Rings

SINGLE RING - 20°



ORDERING INFORMATION:

• O A R L 2 4 1 - - 2 4 -

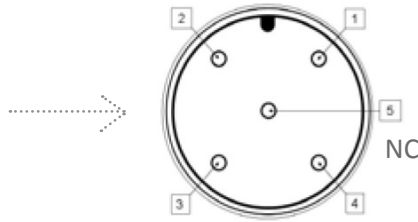
W	White 5500k	*BLANK	10 ft. Flying Leads
R	Red 630nm	T	M12 Quick Disconnect
G	Green 530nm	ILD	In Line Dimmer
B	Blue 455 nm	ILS	In Line Strobe (customer provide trigger info)
IRL	Infrared 880nm		
UVL	(long) 395nm		
UVS	(short) 365nm		

MetaLight™ 1-Ring Off-Axis Front Light Model#: OARL241

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

#8-32 UNC X .23 DP.
(2) PLACES
BOTH SIDES
(4) HOLES TOTAL

7.00 [177.8]

.56 [14.2]

7.00 [177.8]

.25 [6.4]

2.00 [50.8]

2.00 [50.8]

Ø 4.00 [101.6] THRU

Ø 4.50 [114.3] (FARSIDE)

3.50 [88.9]

3.50 [88.9]

10 FT. CABLE WITH FLYING LEADS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	B	REVISED AND REDRAWN, KW	1/21/2011	
	C	ADDED USED ON ASSEMBLIES, KW	4/24/2012	

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	METAPHASE TECHNOLOGIES, INC.
DIMENSIONS ARE IN INCHES		DRAWN		
TOLERANCES:		CHECKED		
FRACTIONAL ±		ENG APPR.		
ANGULAR: MACH ±		MFG APPR.		TITLE:
BEND ±		G.A.		RING LIGHT, OFF AXIS
TWO PLACE DECIMAL ±		COMMENTS:		4 INCH (101.6) DIA. Ⓟ
THREE PLACE DECIMAL ±				SIZE DWG. NO. REV
INTERPRET GEOMETRIC TOLERANCING PER:				B OARL201 C
MATERIAL				SCALE: 1:2 WEIGHT: SHEET 1 OF 1
NEXT ASSY		USED ON	FINISH	
APPLICATION		DO NOT SCALE DRAWING		

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