

MetaLight™ 1- Ring Off-Axis Ring Light

Model#: OARL401



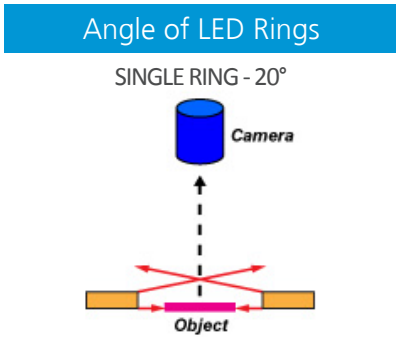
- Horizontal Plane of Light
- Useful for Highlighting Surface Defects
- Illuminates Specular Surfaces
- Configurable for Wavelength
- Economical

Part #	Color	Power Supply
OARL401-W-24	White 5500K	24 volt power supply available upon request.
OARL401-R-24	Red 630nm	
OARL401-B-24	Blue 455nm	
OARL401-G-24	Green 530nm	
OARL401-IRN-24	Infrared 850nm	
OARL401-IRL-24	Infrared 880nm	
OARL401-UVL-24	UV 395nm	
OARL401-UVS-24	UV 365nm	

Specifications:	
Current Consumption	0.4A
Housing	Aluminum
Finish	Black Anodized
Intensity Uniformity	+/-5%
Operating Temperature	120° F Max
Illuminance	12,000 Lux
Compliance	CE/RoHS
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
Ø8in Aperture	L: 11in / 279.4mm
Ø203.2mm Aperture	W: 11in / 279.4mm
	H: 0.58in / 14.8mm



ORDERING INFORMATION:

• O A R L 4 0 1 - - 2 4 -

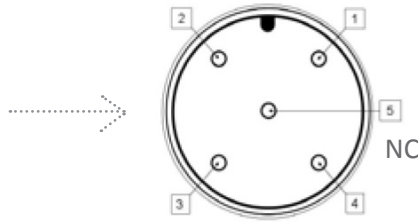
W	White 5500k	*BLANK	10 ft. Flying Leads
R	Red 630nm	T	M12 Quick Disconnect
G	Green 530nm	ILD	In Line Dimmer
B	Blue 455 nm	ILS	In Line Strobe (customer provide trigger info)
IRL	Infrared 880nm		
UVL	(long) 395nm		
UVS	(short) 365nm		

MetaLight™ 1-Ring Off-Axis Front Light Model#: OARL401

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 LEADWIRE ENDS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	REDRAWN IN SOLIDWORKS, KW	6/8/2012	

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UNLESS OTHERWISE SPECIFIED:		NAME	DATE	METAPHASE TECHNOLOGIES, INC.
DIMENSIONS ARE IN INCHES		DRAWN	KW	6/8/2012
TOLERANCES		CHECKED		TITLE:
FRACTIONAL ±1/64		ENG APPR.		OFF AXIS RING LIGHT, 8 INCH
ANGULAR: MACH ±1/2° MIND ±1°		MFG APPR.		
TWO PLACE DECIMAL ±.01		G.A.		
THREE PLACE DECIMAL ±.005		COMMENTS:		
INTERPRET GEOMETRIC TOLERANCING PER:				
MATERIAL:				
NEXT ASSY	USED ON	FINISH		SIZE DWG. NO. REV
				B OARL401 A
APPLICATION	DO NOT SCALE DRAWING			SCALE: 1:2 WEIGHT: SHEET 1 OF 1