

### MetaLight™ 2 - Ring Off-Axis Ring Light Model#: DOARL101



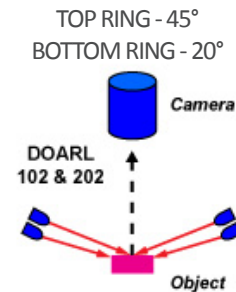
- Horizontal Plane of Light
- Useful for Highlighting Surface Defects
- Illuminates Specular Surfaces
- Configurable for Wavelength
- Economical, High Power
- Additional Ring at larger incident angle for flexible illumination

Part #	Color	Power Supply	Specifications:
DOARL101-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption 0.25A
DOARL101-R-24	Red 630nm		Individual Ring Draw 0.125A
DOARL101-B-24	Blue 455nm		Housing Anodized Aluminum
DOARL101-G-24	Green 530nm		Intensity Uniformity +/-5%
DOARL101-IRN-24	Infrared 850nm		Operating Temperature 120° F Max
DOARL101-IRL-24	Infrared 880nm		Compliance CE/RoHS
DOARL101-UVL-24	UV 395nm		Lifetime Hours 75,000 Hours
DOARL101-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
∅2in Aperture	L: 5in / 127mm
∅50.8mm Aperture	W: 5in / 127mm
	H: 1.44in / 36.5mm

#### Angle of LED Rings



#### ORDERING INFORMATION:

• D O A R L 1 0 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		

## MetaLight™ 2 - Ring Off-Axis Ring Light

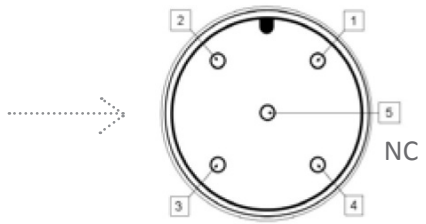
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### Wiring Diagram

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED

#8-32 x .218 DP  
(2) PLACES  
BOTH SIDES  
(4) HOLES TOTAL

(2) ELECTRICAL CABLE, 10 FT. LG  
(4) CONDUCTOR, 22 AWG  
WITH FLYING LEADWIRE ENDS.

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES  
TOLERANCES:  
FRACTIONAL: ±.004  
ANGULAR: MACH ±.02° BEND ±.5°  
TWO PLACE DECIMAL: ±.01  
THREE PLACE DECIMAL: ±.005

INTERPRET GEOMETRIC TOLERANCING PER:  
MATERIAL:  
FINISH:  
APPLICATION: DO NOT SCALE DRAWING

NAME	DATE	METAPHASE TECHNOLOGIES, INC.
KW	1/21/2012	TITLE:
		RING LIGHT, DUAL OFF AXIS
		SIZE DWG. NO.
		<b>B DOARL101</b>
		REV
		SCALE: 1:2 WEIGHT: SHEET 1 OF 1



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