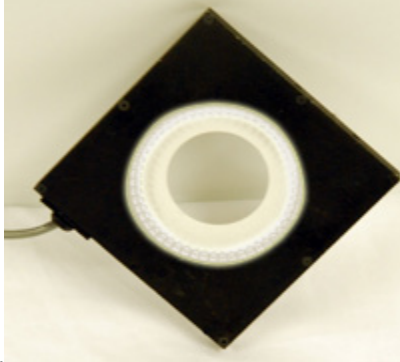


MetaBright™ 1- Ring Off-Axis Ring Light

Model#: MB-OARL111

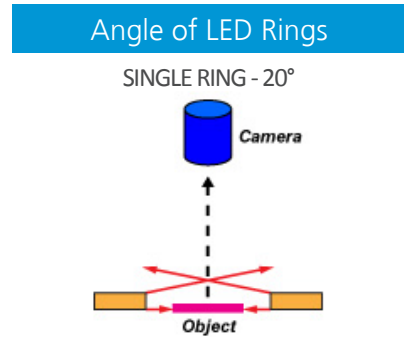


- $\varnothing 2$ in / $\varnothing 3.25$ in I.D. - 5in O.D.
- Dark Field Light
- Horizontal Plane of Light
- Useful for Highlighting Surface Defects
- Illuminates Specular Surfaces
- Configurable for Wavelength
- Economical, High Power

Part #	Color	Power Supply	Specifications:
MB-OARL111-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption 0.2A
MB-OARL111-R-24	Red 630nm		Housing Aluminum
MB-OARL111-B-24	Blue 455nm		Finish Black Anodized
MB-OARL111-G-24	Green 530nm		Intensity Uniformity +/-5%
MB-OARL111-IRN-24	Infrared 850nm		Operating Temperature 120° F Max
MB-OARL111-IRL-24	Infrared 880nm		Illuminance 48,000 Lux
MB-OARL111-UVL-24	UV 395nm		Compliance CE/RoHS
MB-OARL111-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
Front: $\varnothing 2$ in / $\varnothing 50.8$ mm Aperture	L: 5in / 127mm
$\varnothing 3.25$ in / $\varnothing 82.55$ mm Aperture	W: 5in / 127mm
Back: 5in / 127mm Outer Diameter	H: 0.56in / 14.22mm



ORDERING INFORMATION:

• M B - O A R L 1 1 1 - - 2 4 -

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

MetaBright™ 1-Ring Off-Axis Front Light

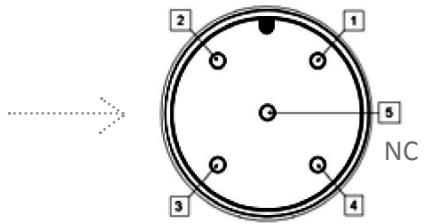
Model#: MB-OARL111

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

Dimensions: 1.50 [38.10], 1.20 [30.48], .22 [5.59], 1.20 [30.48], M5 X 5.8 (.23) DP (2) PLACES EACH SIDE (4) HOLES TOTAL, .56 [14.22], Ø 3.25 [82.55] SIDE B, 2.50 [63.50], 5.00 [127], Ø 2.00 [50.80] THRU SIDE A, 2.50 [63.50], 5.00 [127]

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	PART NO. WAS ORAL111, ECR #0031, KW	3/6/2012	

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	METAPHASE TECHNOLOGIES, INC. TITLE: RING LIGHT, OFF AXIS 2" ID SIDE A, 3.25" ID SIDE B
DIMENSIONS ARE IN INCHES TOLERANCES:		DRAWN	KW 1-28-11	
FRACTIONAL ±		CHECKED		
ANGULAR MATCH ±		ENG APPR.		
TWO PLACE DECIMAL ±		MFG APPR.		
THREE PLACE DECIMAL ±		G.A.		
INTERPRET GEOMETRIC TOLERANCING PER:		DRAWING NO.		SIZE PART NO. REV B MB-OARL111 A
MATERIAL				SCALE: 1:2 WEIGHT: SHEET 1 OF 1
PROPRIETARY AND CONFIDENTIAL	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF			
©INSET COMPANY NAME HERE>	ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF			
©INSET COMPANY NAME HERE> IS PROHIBITED.				
NEXT ASSY	USED ON	FINISH		
APPLICATION		DO NOT SCALE DRAWING		