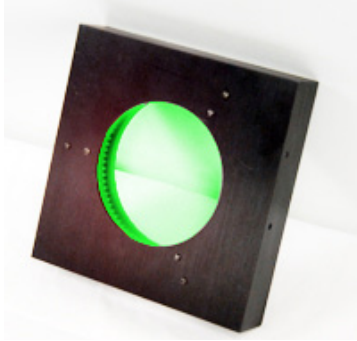


## MetaLight™ 2 - Ring Off-Axis Ring Light Model#: DOARL241



- Dual Ring, 1/4 select Ring Light
- 1/4 select means you can turn on/off 1/4 of each ring independently
- 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

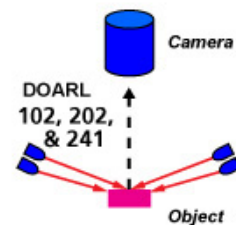
| Part #          | Color          | Power Supply                                 | Specifications:       |                   |
|-----------------|----------------|--|-----------------------|-------------------|
| DOARL221-W-24   | White 5500K    | 24 volt power supply available upon request. | Current Consumption   | 0.4A              |
| DOARL241-R-24   | Red 630nm      |  | Individual Ring Draw  | 0.2A              |
| DOARL241-B-24   | Blue 455nm     |  | Housing               | Anodized Aluminum |
| DOARL241-G-24   | Green 530nm    |  | Intensity Uniformity  | +/-5%             |
| DOARL241-IRN-24 | Infrared 850nm |  | Operating Temperature | 120° F Max        |
| DOARL241-IRL-24 | Infrared 880nm |  | Compliance            | CE/RoHS           |
| DOARL241-UVL-24 | UV 395nm       |  | Lifetime Hours        | 75,000 Hours      |
| DOARL241-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   |
|------------------------------------|--|
| Ø4in Aperture<br>Ø101.6mm Aperture | L: 7in / 177.8mm<br>W: 7in / 177.8mm<br>H: 1.44in / 36.5mm |

### Angle of LED Rings

TOP RING - 20°  
BOTTOM RING - 40°



### ORDERING INFORMATION:

|            |   |                          |   |    |   |                          |  |
|------------|---|--------------------------|---|----|---|--------------------------|--|
| • DOARL241 | - | <input type="checkbox"/> | - | 24 | - | <input type="checkbox"/> |  |
| <b>W</b>   |   |                          |   |    |   | <b>*BLANK</b>            | 10 ft. Flying Leads                            |
| <b>R</b>   |   |                          |   |    |   | <b>T</b>                 | M12 Quick Disconnect                           |
| <b>G</b>   |   |                          |   |    |   | <b>ILD</b>               | In Line Dimmer                                 |
| <b>B</b>   |   |                          |   |    |   | <b>ILS</b>               | In Line Strobe (customer provide trigger info) |
| <b>IRL</b> |   |                          |   |    |   |                          |  |
| <b>UVL</b> |   |                          |   |    |   |                          |  |
| <b>UVS</b> |   |                          |   |    |   |                          |  |

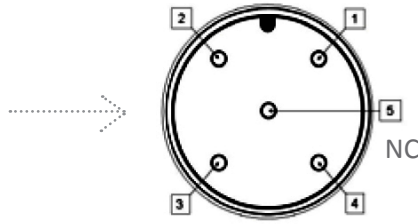
White 5500k  
 Red 630nm  
 Green 530nm  
 Blue 455 nm  
 Infrared 880nm  
 (long) 395nm  
 (short) 365nm

## MetaLight™ 2 - Ring Off-Axis Ring Light Model#: DOARL241

### 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**

**#8-32 UNC X 3/16 DP (4) PLACES**

**REVISIONS**

| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
|------|------|-------------|------|----------|
|      |      |             |      |          |

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|   |   |   |
|---|---|---|
| UNLESS OTHERWISE SPECIFIED:<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES:<br>FRACTIONAL: 1/64<br>ANGULAR: MACH 1/2° BEND 2°<br>TWO PLACE DECIMAL ±.01<br>THREE PLACE DECIMAL ±.005 | NAME: KW<br>DATE: 4/25/2012                             | METAPHASE TECHNOLOGIES, INC.  |
| DOARL241<br>DOARL221<br>DOARL202  | CHECKED:<br>ENG APPR:<br>MFG APPR:<br>Q.A.<br>COMMENTS: | TITLE:<br>DUAL OFF AXIS RING LIGHT, 4 INCH                              |
| NEXT ASSY:<br>USED ON:<br>APPLICATION:  | FINISH:<br>DO NOT SCALE DRAWING                         | SIZE: DWG. NO. <b>B DOARL241</b> REV<br>SCALE: 1:2 WEIGHT: SHEET 1 OF 1 |