

## MetaLight™ Round Area Front Light Model#: RAL050



- THE LOWEST COST SIMPLEST LED LIGHTING AVAILABLE FOR STANDARD INTENSITY FRONT LIGHTING
- AVAILABLE IN 3 DIFFERENT DIAMETERS TO SERVE VIRTUALLY ANY WORK SPACE PROVEN DESIGN WITH THOUSANDS OF INSTALLATIONS AROUND THE WORLD
- SOLID ONE-PIECE MACHINED ALUMINUM HOUSINGS AND THERMAL POTTING ASSURES LONG LIFE PERFORMANCE EVEN IN RUGGED ENVIRONMENTS
- SHOCK AND VIBRATION RESISTANT
- SOLUTION FOR ON AND OFF-AXIS VISION

Part #	Color	Power Supply	Specifications:	
RAL050-W-24	White 6000 K	24 volt power supply available upon request.	Current Consumption	0.035A
RAL050-R-24	Red 630nm		Finish	Anodized
RAL050-B-24	Blue 455nm		Intensity Uniformity	+/-5%
RAL050-G-24	Green 530nm		Operating Temperature	120° F Max
RAL050-IRN-24	Infrared 850nm		Illuminance	110,000 Lux
RAL050-IRL-24	Infrared 880nm		Compliance	CE/RoHS
RAL050-UVL-24	UV 395nm		Lifetime Hours	75,000 Hours
RAL050-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
17.53mm I.D. .69in I.D.	22.86 mm x 38.10mm 0.9in x 1.5in

### ORDERING INFORMATION:

• R A L 0 5 0      -    □      - 2 4 -      □

**W** White 5500k  
**R** Red 630nm  
**G** Green 530nm  
**B** Blue 455 nm  
**IRL** Infrared 880nm  
**UVL** (long) 395nm  
**UVS** (short) 365nm

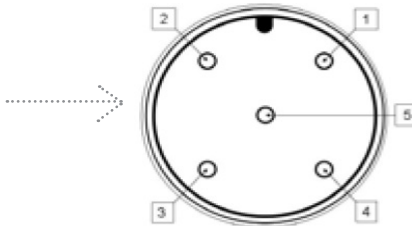
**\*BLANK**  
**T** 10 ft. Flying Leads  
**ILD** M12 Quick Disconnect  
**ILS** In Line Dimmer  
 In Line Strobe (customer provide trigger info)

## MetaLight™ Area Front Light Model#: RAL050

### 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	0~10V or +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

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	A	REVISED AND REDRAWN, KW	7/22/2011

ACTUAL SIZE

$\phi .90$  [22.86]      $\phi .69$  [17.53]

1.50 [38.10]

4 CONDUCTOR ELECTRICAL CABLE  
24 AWG, 10 FT LG WITH FLYING LEADWIRE ENDS

<p><b>PROPRIETARY AND CONFIDENTIAL</b> THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF METAPHASE TECHNOLOGIES, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF METAPHASE TECHNOLOGIES, INC. IS PROHIBITED.</p>	<p>UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±</p> <p>INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL: FINISH: DO NOT SCALE DRAWING</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>DATE</th> </tr> <tr> <td>KW</td> <td>7-22-11</td> </tr> </table> <p><b>METAPHASE TECHNOLOGIES, INC.</b></p> <p>TITLE: <b>ROUND AREA FRONT LIGHT .90 INCH</b></p> <p>SIZE DWG. NO. <b>B RAL050</b> REV <b>A</b></p> <p>SCALE: 2:1 WEIGHT: SHEET 1 OF 1</p>	NAME	DATE	KW	7-22-11
NAME	DATE					
KW	7-22-11					