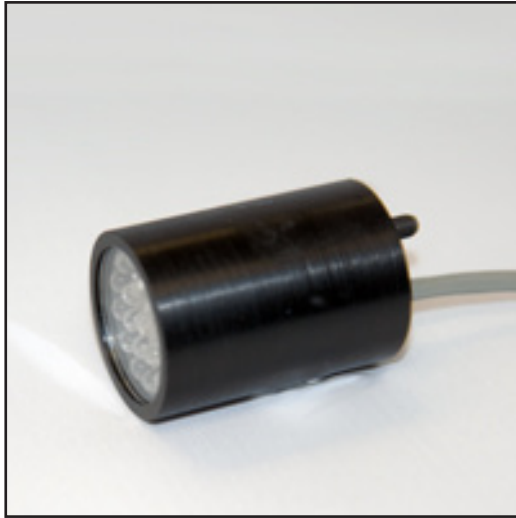


# MetaBright™ Round Area Front Lig

Model#: MB-RAL105



- 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:	
MB-RAL105-W-24	White 6000 K	24 volt power supply available upon request.	Current Consumption	0.4A
MB-RAL105-R-24	Red 630nm		Finish	Anodized
MB-RAL105-B-24	Blue 455nm		Intensity Uniformity	+/-5%
MB-RAL105-G-24	Green 530nm		Operating Temperature	120° F Max
MB-RAL105-IRN-24	Infrared 850nm		Illuminance	118,000 Lux
MB-RAL105-IRL-24	Infrared 880nm		Compliance	CE/RoHS
MB-RAL105-UVL-24	UV 395nm		Lifetime Hours	75,000 Hours
MB-RAL105-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
31.75mm I.D. 1.25in I.D.	61.96mm x 38.10mm 2.44in x 1.50in

## ORDERING INFORMATION:

• M B - R A L 1 0 5 -  - 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		

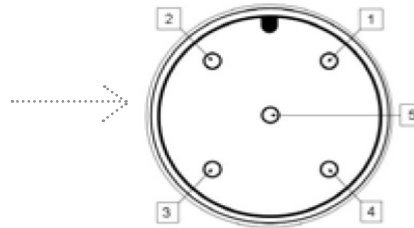


# MetaBright™ Area Front Light

Model#: MB-RAL105

## M12 Connector

PIN #	Function
1	+24VDC
2	0-10VDC Intensity Control
3	Ground
4	Signal Ground



## Wiring Diagram

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

M5 MOUNTING STUD

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

Dimensions: .34 [8.71], 2.10 [53.34], .28 [7.11], Ø 1.50 [38.10], Ø 1.25 [31.75]

<p><b>UNLESS OTHERWISE SPECIFIED:</b></p> <p>DIMENSIONS ARE IN INCHES</p> <p>TOLERANCES:</p> <p>FRACTIONAL: ±</p> <p>ANGULAR: MACH ± BEND ±</p> <p>TWO PLACE DECIMAL ±</p> <p>THREE PLACE DECIMAL ±</p> <p>INTERPRET GEOMETRIC TOLERANCING PER:</p> <p>MATERIAL:</p> <p>FINISH:</p> <p>APPLICATION: DO NOT SCALE DRAWING</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>NAME</td> <td>DATE</td> <td rowspan="5" style="text-align: center; vertical-align: top;"> <b>METAPHASE TECHNOLOGIES, INC.</b>             TITLE:   <b>ROUND AREA FRONT LIGHT, 1.5 INCH</b>             SIZE DWG. NO. <b>B RAL105</b> REV            SCALE: 1:1 WEIGHT: SHEET 1 OF 1         </td> </tr> <tr> <td>DRAWN: KW</td> <td>7-22-11</td> </tr> <tr> <td>CHECKED:</td> <td> </td> </tr> <tr> <td>ENG APPR:</td> <td> </td> </tr> <tr> <td>JMG APPR:</td> <td> </td> </tr> <tr> <td>G.A. COMMENTS:</td> <td> </td> <td> </td> </tr> </table>	NAME	DATE	<b>METAPHASE TECHNOLOGIES, INC.</b>  TITLE:  <b>ROUND AREA FRONT LIGHT, 1.5 INCH</b>  SIZE DWG. NO. <b>B RAL105</b> REV SCALE: 1:1 WEIGHT: SHEET 1 OF 1	DRAWN: KW	7-22-11	CHECKED:		ENG APPR:		JMG APPR:		G.A. COMMENTS:		
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