

MetaBright™ Round Area Front Lig

Model#: MB-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:	
MB-RAL050-W-24	White 6000 K	24 volt power supply available upon request.	Current Consumption	0.15A
MB-RAL050-R-24	Red 630nm		Finish	Anodized
MB-RAL050-B-24	Blue 455nm		Intensity Uniformity	+/-5%
MB-RAL050-G-24	Green 530nm		Operating Temperature	120° F Max
MB-RAL050-IRN-24	Infrared 850nm		Illuminance	110,000 Lux
MB-RAL050-IRL-24	Infrared 880nm		Compliance	CE/RoHS
MB-RAL050-UVL-24	UV 395nm		Lifetime Hours	75,000 Hours
MB-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:

• M B - R A L 0 5 0 - - 2 4 -

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

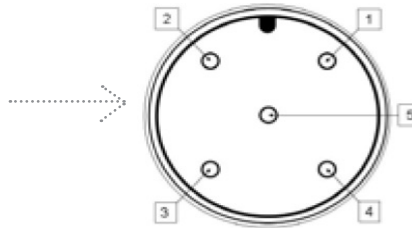


MetaBright™ Area Front Light

Model#: MB-RAL050

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
	A	REVISED AND REDRAWN, KW	7/22/2011

<p>PROPRIETARY AND CONFIDENTIAL</p> <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF VISION LIGHT TECH. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF VISION LIGHT TECH IS PROHIBITED.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">UNLESS OTHERWISE SPECIFIED:</td> <td>NAME</td> <td>DATE</td> <td rowspan="6" style="text-align: center; vertical-align: top;"> METAPHASE TECHNOLOGIES, INC. TITLE: ROUND AREA FRONT LIGHT .90 INCH SIZE DWG. NO. RAL050 REV A SCALE: 2:1 WEIGHT: SHEET 1 OF 1 </td> </tr> <tr> <td colspan="2">DIMENSIONS ARE IN INCHES</td> <td>KW</td> <td>7-22-11</td> </tr> <tr> <td colspan="2">TOLERANCES:</td> <td></td> <td></td> </tr> <tr> <td colspan="2">FRACTIONAL ±</td> <td></td> <td></td> </tr> <tr> <td colspan="2">ANGULAR: MACH ±</td> <td></td> <td></td> </tr> <tr> <td colspan="2">BEND ±</td> <td></td> <td></td> </tr> <tr> <td colspan="2">TWO PLACE DECIMAL ±</td> <td></td> <td></td> </tr> <tr> <td colspan="2">THREE PLACE DECIMAL ±</td> <td></td> <td></td> </tr> <tr> <td colspan="2">INTERPRET GEOMETRIC TOLERANCING PER:</td> <td colspan="2">G.A.</td> </tr> <tr> <td colspan="2">MATERIAL:</td> <td colspan="2">COMMENTS:</td> </tr> <tr> <td colspan="2">FINISH:</td> <td colspan="2"></td> </tr> <tr> <td>NEXT ASSY:</td> <td>USED ON:</td> <td colspan="2"></td> </tr> <tr> <td>APPLICATION:</td> <td>DO NOT SCALE DRAWING</td> <td colspan="2"></td> </tr> </table>	UNLESS OTHERWISE SPECIFIED:		NAME	DATE	METAPHASE TECHNOLOGIES, INC. TITLE: ROUND AREA FRONT LIGHT .90 INCH SIZE DWG. NO. RAL050 REV A SCALE: 2:1 WEIGHT: SHEET 1 OF 1	DIMENSIONS ARE IN INCHES		KW	7-22-11	TOLERANCES:				FRACTIONAL ±				ANGULAR: MACH ±				BEND ±				TWO PLACE DECIMAL ±				THREE PLACE DECIMAL ±				INTERPRET GEOMETRIC TOLERANCING PER:		G.A.		MATERIAL:		COMMENTS:		FINISH:				NEXT ASSY:	USED ON:			APPLICATION:	DO NOT SCALE DRAWING		
UNLESS OTHERWISE SPECIFIED:		NAME	DATE	METAPHASE TECHNOLOGIES, INC. TITLE: ROUND AREA FRONT LIGHT .90 INCH SIZE DWG. NO. RAL050 REV A SCALE: 2:1 WEIGHT: SHEET 1 OF 1																																																		
DIMENSIONS ARE IN INCHES		KW	7-22-11																																																			
TOLERANCES:																																																						
FRACTIONAL ±																																																						
ANGULAR: MACH ±																																																						
BEND ±																																																						
TWO PLACE DECIMAL ±																																																						
THREE PLACE DECIMAL ±																																																						
INTERPRET GEOMETRIC TOLERANCING PER:		G.A.																																																				
MATERIAL:		COMMENTS:																																																				
FINISH:																																																						
NEXT ASSY:	USED ON:																																																					
APPLICATION:	DO NOT SCALE DRAWING																																																					