

MetaBright™ Round Area Front Light 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 -

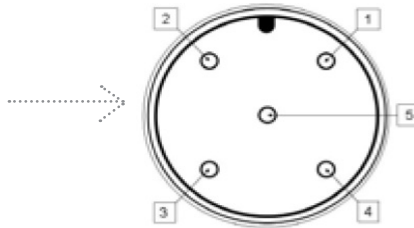
W	White 5500k	*BLANK	10 ft. Flying Leads
R	Red 630nm	T	M12 Quick Disconnect
G	Green 530nm	ILD	In Line Dimmer
B	Blue 455 nm	ILS	In Line Strobe (customer provide trigger info)
IRL	Infrared 880nm		
UVL	(long) 395nm		
UVS	(short) 365nm		

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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	APPROVED
	A	REVISED AND REDRAWN, KW	7/22/2011	

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	NEXT ASSY:	USED ON:	FINISH:			
	APPLICATION:	DO NOT SCALE DRAWING				
			INTERPRET GEOMETRIC TOLERANCING PER:			
			MATERIAL:			