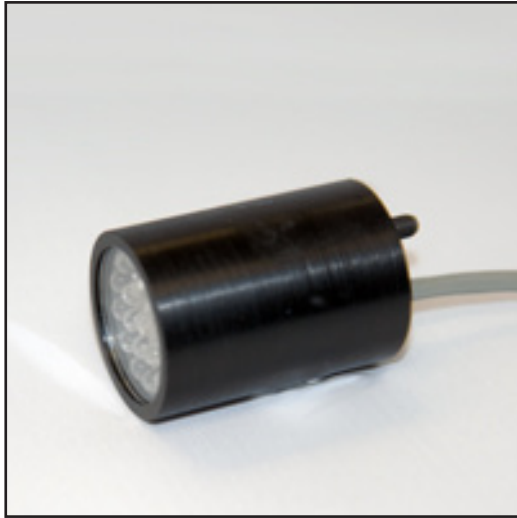


MetaBright™ Round Area Front Light

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 - ☐

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

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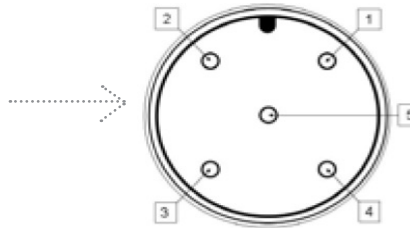
10 ft. Flying Leads
 M12 Quick Disconnect
 In Line Dimmer
 In Line Strobe (customer provide trigger info)

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

