MetaLight™ Round Area Front Light
Model#: RAL105

Metaphase Technologies, Inc.
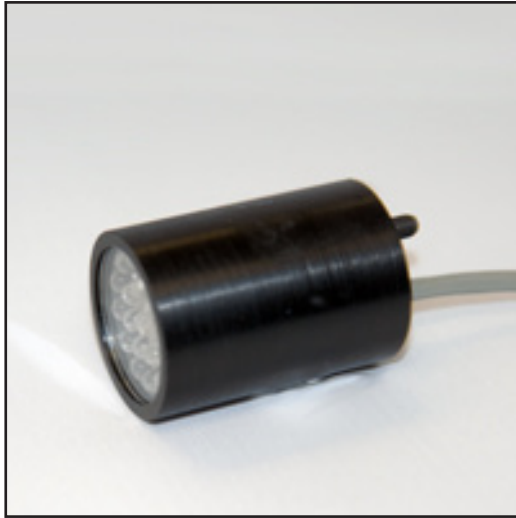
- THE LOWEST COST SIMPLEST LED LIGHTING AVAILABLE FOR STANDARD INTENSITY FRONT LIGHTING

- 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
RAL105-W-24	White 6000 K	
RAL105-R-24	Red 630nm	
RAL105-B-24	Blue 455nm	
RAL105-G-24	Green 530nm	24 volt power supply available upon request.
RAL105-IRN-24	Infrared 850nm	
RAL105-IRL-24	Infrared 880nm	
RAL105-UVL-24	UV 395nm	
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.

Specifications:

Current Consumption	0.05A
Finish	Anodized
Intensity Uniformity	+/-5%
Operating Temperature	120° F Max
Illuminance	118,000 Lux
Compliance	CE/RoHS
Lifetime Hours	75,000 Hours

| Active Area	Dimensions
31.75mm I.D 1.25in I.D.	61.96mm x 38.10mm 2.44in x 1.50in

ORDERING INFORMATION:

• 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

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

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M12 Connector

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

Wiring Diagram
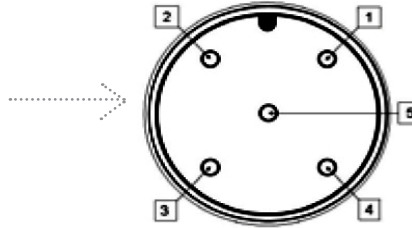
Flying Leads	Function
RED	+24VDC
BLACK	Ground
WHITE	0~10V or +24VDC
GREEN	Ground

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

M5 MOUNTING STUD

.28 [7.11]

.34 [8.71]

2.10 [53.34]

Ø 1.50 [38.10]

Ø 1.25 [31.75]

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

REVISIONS

ZONE	REV.	DESCRIPTION	DATE	APPROVED

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	METAPHASE TECHNOLOGIES, INC.
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL	DRAWN	KW	7-22-11	TITLE:
	CHECKED			
	ENG APPR.			ROUND AREA FRONT LIGHT, 1.5 INCH
	MFG APPR.			
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			
MATERIAL	COMMENTS:			

PROPRIETARY AND CONFIDENTIAL

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	SIZE	DWG. NO.		REV
	B	RAL105		

SCALE: 1:1 WEIGHT: SHEET 1 OF 1

NEXT ASSY USED ON
APPLICATION DO NOT SCALE DRAWING