



MetaBright™ Ringlight

Model#: MB-RL205



- Configurable for various wavelengths including IR, UV, RGB
- Continuous, Dimming, and Strobbling controllability modes
- Homogenous light output
- Brightfield and Darkfield illumination
- One-piece machined aluminum housings and thermal potting assures long life performance in rugged environments.

Part #	Color	Power Supply	Specifications:	
MB-RL205-W-24	White 6000 K	24 volt power supply available upon request.	Current Consumption	0.3A
MB-RL205-R-24	Red 630nm		Finish	Powder Coated Black
MB-RL205-B-24	Blue 455nm		Intensity Uniformity	+/-5%
MB-RL205-G-24	Green 530nm		Weight	
MB-RL205-IRN-24	Infrared 850nm		Operating Temperature	120° F Max
MB-RL205-IRL-24	Infrared 880nm		Compliance	CE/RoHS
<p>10 ft. flying leads come standard on all products. Light features built-in constant current driver. No expensive controller required.</p>			Lifetime Hours	75,000 Hours

ORDERING INFORMATION:

• M B - R L 2 0 5 - - 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		



MetaBright™ Ring Light

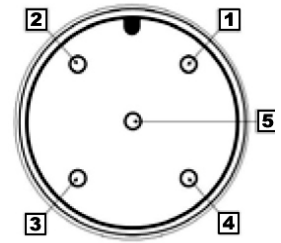
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Wiring Diagram

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

M12 Connector

PIN #	Function
1	+24VDC
2	0-10VDC Intensity Control
3	Ground
4	Signal 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	12/15/2010	
	B	DWG # WAS RL201, KW	4/20/2011	

NOTES: UNLESS OTHERWISE SPECIFIED

- FOR MODELS RL201-X-12/24: 10FT. ATTACHED CABLE, 1" FLYING LEADWIRES AT END. FOR MODELS RL201-X: CABLE TO BE ORDERED SEPARATELY. PART NUMBER: PC-9-10.

PROPRIETARY AND CONFIDENTIAL
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UNLESS OTHERWISE SPECIFIED:		NAME	DATE	METAPHASE TECHNOLOGIES, INC.
DIMENSIONS ARE IN INCHES		KW	12-15-10	
TOLERANCES:		DRAWN		TITLE: RING LIGHT 205 SIZE DWG. NO. B RL205 A B B REV B SCALE: 1:5 WEIGHT: SHEET 1 OF 1
FRACTIONAL ±		CHECKED		
ANGULAR: MACH ± BEND ±		ENG APPR.		
TWO PLACE DECIMAL ±		MFG APPR.		
THREE PLACE DECIMAL ±		G.I.A.		
INTERPRET GEOMETRIC TOLERANCING PER:		COMMENTS:		
MATERIAL				
NEXT ASSY	USED ON	FINISH		
APPLICATION	DO NOT SCALE DRAWING			