MetaBrightTM Collimated Tube Backlight **Metaphase** Model[#]: MB-CBL-41</sup>



- · Collimated spot size of 1.5"
- \cdot Compact housing for application integration (5.2" min length, 1.9" max diameter)
- · Optionional mounting clap available
- · Multiple wavelength options
- · 24V power supply (no special controller required)
- · DC & Strobe version available
- · DC version have 0 ~ 10V intensity control
- Ideal for producing high contrast silhouette images for edge detection & high accuracy measurement

Part #	Color	Power Supply	Specifications:	
MB-CBL-41-W-24	White 6000 K		Current Consumption	0.18A @24VDC
MB-CBL-41-R-24	Red 630nm	24 volt power supply available upon request.	Finish	Powder Coated Black
MB-CBL-41-B-24	Blue 455nm		Intensity Uniformity	+/-5%
MB-CBL-41-G-24	Green 530nm		Weight	0.2lbs / 0.09kg
MB-CBL-41-IRN-24	Infrared 850nm		Operating Temperature	120° F Max
MB-CBL-41-IRL-24	Infrared 880nm		Compliance	CE/RoHS
MB-CBL-41-UVL-24	UV 395nm		Lifetime Hours	75,000 Hours
MB-CBL-41-UVS-24	UV 365nm		Illuminance	5,000 lux / 62 Lumer

10 ft. flying leads come standard on all products. Light features built-in constant current driver. No expensive controller required, simply provide 24VDC. 0~10VDC intensity input.

Active Area	Dimensions
1.5in	5.18in x 1.90in
38.1mm	131.57mm x 48.26mm

Contact Us:

Contact your Metaphase Technologies Representative for options including: Diffuser Choice, Polarizer & Light Control Film, Specific Intensity & Uniformity, & Wavelength.



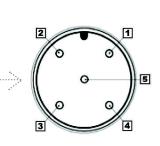
metaphase-tech.com

MetaBrightTM Collimated Tube Backlight Metaphase Technologies, Inc. Model#: MB-CBL-41



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, con-				

nect 0-10V control line to +24 (Max Intensity Control = 25V) and intensity control ground to ground



Wiring Diagram				
Flying Leads	Function			
RED	+24VDC			
BLACK	Ground			
WHITE 🥁	+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

Mounting Bracket (Optional): BRA-CBL-41

