

## MetaBright™ Area Backlight

Model#: MB-BL105



- Up to 50 SMD LED's per inch array makes our backlights the brightest most stable backlights in the industry
- Exclusive optical lens producing even (+/- 5%), shadow-free illumination
- High Density Precision Chip technology
- Patent-pending thermal management design draws heat directly from the die ensuring long life
- Stable, flicker-free illumination with instant-start operation

### Active Area

1in x 1in  
25.4mm x 25.4 mm

### Dimensions

1.90in x 2.50in  
48.26mm x 63.50mm

### Specifications:

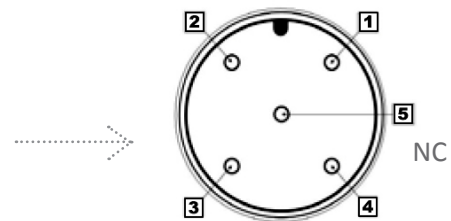
Current Consumption	0.2 Amp @ 24Vdc
Finish	Anodized
Intensity Uniformity	+/-5%
Operating Temperature	120° F Max
Illuminance	37,000 Lux
Compliance	CE/RoHS
Lifetime Hours	75,000 Hours

### Wiring Diagram

Flying Leads	Function
RED	+24VDC
BLACK	Ground

### M12 Connector

PIN #	Function
1	+24VDC
3	Ground



### ORDERING INFORMATION:

• M B - B L 1 0 5	-	□	- 2 4 -	□	
<b>W</b>		White 6000k		<b>*BLANK</b>	10 ft. Flying Leads
<b>R</b>		Red 630nm		<b>T</b>	M12 Quick Disconnect
<b>G</b>		Green 530nm		<b>ILD</b>	In Line Dimmer
<b>B</b>		Blue 455 nm		<b>ILS</b>	In Line Strobe (customer provide trigger info)
<b>IR</b>		Infrared 880nm			
<b>UVL</b>		(long) 395nm			
<b>UVS</b>		(short) 365nm			

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Contact us:

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

### Drawing/Diagram

