

MetaBright™ Collimated Line Light

Model#: MB-CLL1007



- This MetaBright™ line light produces extremely high brightness and uniform line across the 40" (1,016 mm) aperture.
- General applications include: web inspection, geometry measurement of long targets, direct position measurement, printed circuit board inspection and tube or bottle inspection
- Proprietary optics produce a high power collimated line of light for applications requiring longer working distances.

Part #	Color	Power Supply	Specifications:	
MB-CLL1007-W-24	White 6000 K	24 volt power supply available upon request.	Current Consumption	10.1A @ 24VDC
MB-CLL1007-R-24	Red 630nm		Finish	Powder Coated Black
MB-CLL1007-B-24	Blue 470nm		Intensity Uniformity	+/-5%
MB-CLL1007-G-24	Green 530nm		Weight	12 lbs
MB-CLL1007-IRN-24	Infrared 850nm		Operating Temperature	120° F Max
MB-CLL1007-IRL-24	Infrared 880nm		Illuminance	1.6 Million Lux
MB-CLL1007-UVL-24	UV 395nm		Compliance	CE/RoHS
MB-CLL1007-UVS-24	UV 365nm		Lifetime Hours	75,000 Hours

10 ft. flying leads come standard on all products.
Light features built-in constant current driver.
No expensive controller required.

ORDERING INFORMATION:

• MB - CLL 1 0 0 7 - - 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 470 nm	ILS	In Line Strobe (customer provide trigger info)
IRL	Infrared 880nm		
UVL	(long) 395nm		
UVS	(short) 365nm		

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Wiring Diagram

Flying Leads	Function
WHITE	0-10VDC
GREEN	Signal Ground

24 AWG 2 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

Wiring Diagram

Flying Leads	Function
WHITE / RED	0-10VDC
GREEN / BLACK	Ground

16 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

Active Area

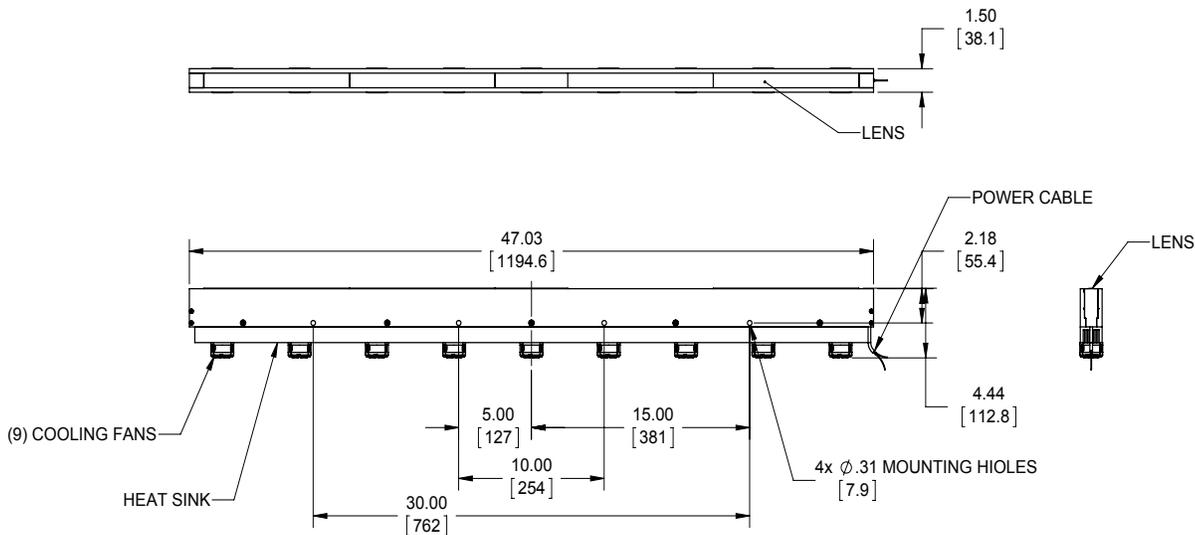
.55" - 2" @ 1ft - 7ft
13.97mm - 50.8mm @ 0.3m - 2.1m

Dimensions

Length- 47.03in / 1194.6mm
Width- 1.5in / 38.1mm
Height- 4.44in / 112.8mm

Drawing/Diagram

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	10/22/2012	
B	CHANGED QTY. OF FANS TO 9, CHANGED SCREW SIZES AND RELATED PARTS, SEE SHEET2	10/22/2012	



Metaphase Technologies, Inc. 3412 Progress Drive, Unit C, Bensalem, PA. 19020 215-639-8699 Fax 215-639-0977

QUANTITY: Per order
MATERIAL: Per BOM
FINISH: Per BOM
TREATMENT: N/A

TOLERANCE/FINISH UNLESS OTHERWISE SPECIFIED			
INCHES	MM	125V RMS	FINISH
X	.XX	.XXX	[R43.2um]
±.030	±.010	±.005	ANGLES: 1°
[±.78]	[±.25]	[±.13]	

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Metaphase		TOP: 100% & 50% (max) 5.00um (max)	
TITLE: Top Assembly			
USED ON: N/A			
SIZE: B	DRAWING NUMBER: MB-CLL-1007-W-24-1	REV: B	
SCALE: 1:8		SHEET 1 OF 2	