MetaBright™ Collimated Line Ligh
Model#: MB-CLL306

Vision Light Tech
creating optical solutions

- MetaBright™ Collimated Line Lights are available in 10" (25.4 cm) length.

- This MetaBright™ line light produces extremely high brightness and uniform line across the 10" aperture.

- General applications include: web inspection, geometry measurement of long targets, direct position measurement, printed circuit board inspection and tube or bottle inspection

- Propriety optics produce a high power collimated line of light for applications requiring longer working distances.

Part #	Color	Power Supply
MB-CLL306-W-24	White 6000 K	
MB-CLL306-R-24	Red 630nm	
MB-CLL306-B-24	Blue 470nm	
MB-CLL306-G-24	Green 530nm	24 volt power supply available upon request.
MB-CLL306-IRN-24	Infrared 850nm	
MB-CLL306-IRL-24	Infrared 880nm	
MB-CLL306-UVL-24	UV 395nm	
MB-CLL306-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	1-2.4 amps @24VDC
Finish	Powder Coated Black
Intensity Uniformity	+/-5%
Weight	2.87 lbs
Operating Temperature	120° F Max
Illuminance	1.6 Million Lux
Compliance	CE/RoHS
Lifetime Hours	75,000 Hours

ORDERING INFORMATION:

• M B - C L L 3 0 6 - ☐ - 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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Active Area	Dimensions
10 in x 1 in	11 in x 1.25 in
254mm x 25.4mm	279.4mm x 31.75mm

M12 Connector

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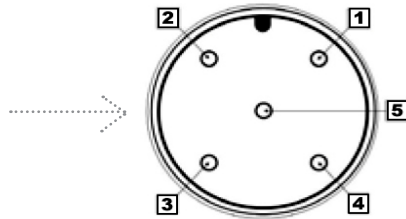
Wiring Diagram

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

18 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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	C	REVISED AND REDRAWN, KW	6/13/2011	

10.19 [258.8]
4.00 [101.6]
2.00 [50.8]
Ø .19 [4.8] THRU (2) PLACES
1.00 [25.4]
4.38 [111.2]
3.40 [86.4]
.25 [6.4]
11.00 [279.4]
10" LINE LIGHT
1.00 [25.4]
1.25 [31.8]
1.57 [39.9]
10.07 [255.8]

ELECTRICAL CABLE (4) CONDUCTOR, 24 AWG 10 FT LONG WITH FLYING LEADWIRE ENDS.

METAPHASE TECHNOLOGIES, INC.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±
ANGULAR: MACH ± BEND ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±
INTERPRET GEOMETRIC TOLERANCING PER:

	NAME	DATE
DRAWN	KW	6/13/2011
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

TITLE:
MB-CLL-305 & MB-CLL306 10" Collimated LL

SIZE **B** | DWG. NO. MB-CLL305 | REV C
SCALE: 1:2 | WEIGHT: | SHEET 1 OF 1

CCL306
NEXT ASSY | USED ON
APPLICATION | DO NOT SCALE DRAWING

Z:\Engineering Design\Metaphase_Technology\Mechanical_Drawings\LINE LIGHTS\Meta Brite\CLL306, 10 INCH (COLLIMATING)\