

MetaBright™ Linear Front Light

Model#: MB-LFL1105



- Shock and Vibration proof up to 10 G's per MIL-STD-910F the highest industry standards
- Solid one-piece machined aluminum housings and thermal potting
- Performance extends to rugged environments
- Can be configured for wavelength and other specifications
- Equipt with pairing and axial rotation capabilities

Part #	Color	Power Supply	Specifications:	
MB-LFL1105-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption	4.04A @ 24VDC
MB-LFL1105-R-24	Red 630nm		Housing	Aluminum
MB-LFL1105-B-24	Blue 455nm		Finish	Anodized
MB-LFL1105-G-24	Green 530nm		Intensity Uniformity	+/-5%
MB-LFL1105-IRN-24	Infrared 850nm		Illuminance	120,000 Lux
MB-LFL1105-IRL-24	Infrared 880nm		Operating Temperature	120° F Max
MB-LFL1105-UVL-24	UV 395nm		Compliance	CE/RoHS
MB-LFL1105-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.

Active Area	Dimensions
1 in x 50 in 25.4mm x 1270mm	51.81in x 1.13in x 1.25in 1316mm x 28.58mm x 31.75mm

ORDERING INFORMATION:

• M B - L F L 1 1 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		

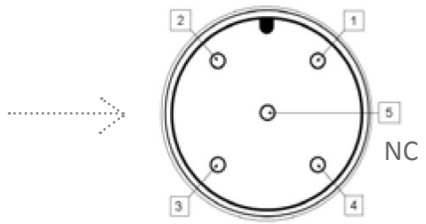
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Wiring Diagram

Flying Leads	Function
RED	+24VDC
BLACK	Ground
WHITE	+24VDC
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

ELECTRICAL CABLE
(4) CONDUCTOR, 22 AWG
10 FT LONG WITH FLYING LEADWIRE ENDS.

1.20 [30.40]

1.83 [46.56]

51.81 [1316.05]

1.13 [28.58]

.37 [9.27]

.56 [14.29]

1.25 [31.75]

.52 [13.21]

#8-32 UNC X 5/16 DP
(2) PLACES, BOTH SIDES
(4) HOLES TOTAL

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	REVISED AND REDRAWN, KW	8/30/2011	

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UNLESS OTHERWISE SPECIFIED:		NAME	DATE	METAPHASE TECHNOLOGIES, INC.
DIMENSIONS ARE IN INCHES		KW	8-30-11	TITLE:
TOLERANCES:				FRONT LIGHT, LINEAR, 1 X 50 INCH
FRACTIONAL ±				
ANGULAR: MACH ± BEND ±				
TWO PLACE DECIMAL ±				
THREE PLACE DECIMAL ±				
INTERPRET GEOMETRIC TOLERANCING PER:				
MATERIAL				
FINISH				
NEXT ASSY	USED ON	G.A. COMMENTS:		
APPLICATION	DO NOT SCALE DRAWING	SCALE: 1:10 WEIGHT: SHEET 1 OF 1		