

MetaBright™ Linear Front Light

Model#: MB-LFL1X4



- 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-LFL1X4-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption	0.2A
MB-LFL1X4-R-24	Red 630nm		Housing	Aluminum
MB-LFL1X4-B-24	Blue 455nm		Finish	Anodized
MB-LFL1X4-G-24	Green 530nm		Intensity Uniformity	+/-5%
MB-LFL1X4-IRN-24	Infrared 850nm		Operating Temperature	120° F Max
MB-LFL1X4-IRL-24	Infrared 880nm		Illuminance	120,000 Lux
MB-LFL1X4-UVL-24	UV 395nm		Compliance	CE/RoHS
MB-LFL1X4-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
0.63in x 4 in 16mm x 104mm	4.33in x .86in x .86in 110mm x 22mm x 22mm

ORDERING INFORMATION:

• M B - L F L 1 X 4 - - 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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Vision Light Tech B.V.

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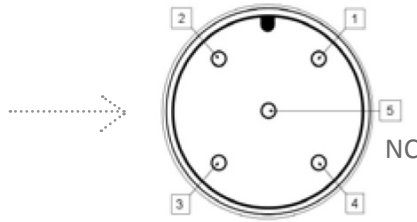


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M12 Connector

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



Wiring Diagram

Flying Leads	Function
RED	+24VDC
BLACK	Ground
WHITE	+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

Drawing/Diagram

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	REDRAWN IN SOLIDWORKS, KW	3/16/2012	

Technical drawing details:
 - Dimensions: 4.331 [110], .866 [22], .401 [10.2], .980 [24.9], .433 [11], .63 [16], 4.11 [104.4], .500 [12.7], 2.168 [55.1], 3.831 [97.3]
 - Components: LIGHTED AREA, ELECTRICAL CABLE, 10 FT. LG (4) CONDUCTOR, 22 AWG WITH FLYING LEADWIRE ENDS., M4X0.7 -6H X .25 (6.4) DP BOTTOM TAP (3) PLACES
 - Tolerances: DIMENSIONS ARE IN INCHES. FRACTIONALS ±1/64. ANGULAR: MACH ±2° MIND ±5°. TWO PLACE DECIMAL ±.01. THREE PLACE DECIMAL ±.005.
 - Material: INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL: FINISH: DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	METAPHASE TECHNOLOGIES, INC.
DIMENSIONS ARE IN INCHES		KW	3/16/2012	
TOLERANCES		DRAWN		TITLE:
FRACTIONALS ±1/64		CHECKED		FRONT LIGHT, LINEAR, .5 X 4 INCH
ANGULAR: MACH ±2° MIND ±5°		ENG APPR.		
TWO PLACE DECIMAL ±.01		MFG APPR.		
THREE PLACE DECIMAL ±.005		G.A.		
INTERPRET GEOMETRIC TOLERANCING PER:		COMMENTS:		
MATERIAL:				
FINISH:				
DO NOT SCALE DRAWING				

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SIZE	DWG. NO.	REV
B	LFL1X4	A
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1