

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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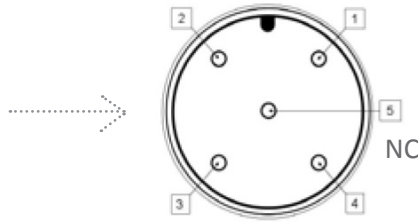


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M12 Connector

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 showing dimensions and callouts for the linear front light assembly. Key dimensions include: 4.331 [110] (total length), .63 [16] (lighted area width), 4.11 [104.4] (lighted area length), .866 [22] (cable length), .401 [10.2] (tap offset), .980 [24.9] (tap diameter), .433 [11] (tap depth), 3.831 [97.3] (mounting bracket length), .500 [12.7] (mounting hole offset), 2.168 [55.1] (mounting hole spacing).

Callouts include: LIGHTED AREA, M4X0.7 -6H X .25 (6.4) DP BOTTOM TAP (3) PLACES, ELECTRICAL CABLE, 10 FT. LG (4) CONDUCTOR, 22 AWG WITH FLYING LEADWIRE ENDS.

<p>PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF VISION LIGHT TECH. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF VISION LIGHT TECH IS PROHIBITED.</p>		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	METAPHASE TECHNOLOGIES, INC. TITLE: FRONT LIGHT, LINEAR, .5 X 4 INCH
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONALS ±1/64 ANGULAR: MACH ±1/2° MEND ±1/2° TWO PLACE DECIMAL ±.01 THREE PLACE DECIMAL ±.005		DRAWN	KW	
NEXT ASSY		USED ON		CHECKED		SIZE B DWG. NO. LFL1X4 REV A SCALE: 1:1 WEIGHT: SHEET 1 OF 1
APPLICATION		DO NOT SCALE DRAWING		ENG APPR.		