

# 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 -

<b>W</b>	White 5500k	<b>*BLANK</b>	10 ft. Flying Leads
<b>R</b>	Red 630nm	<b>T</b>	M12 Quick Disconnect
<b>G</b>	Green 530nm	<b>ILD</b>	In Line Dimmer
<b>B</b>	Blue 455 nm	<b>ILS</b>	In Line Strobe (customer provide trigger info)
<b>IRL</b>	Infrared 880nm		
<b>UVL</b>	(long) 395nm		
<b>UVS</b>	(short) 365nm		

v

### Vision Light Tech B.V.

Protonenlaan 22, 5405 NE UDEN, P.O. Box 345, 5400 AH UDEN, The Netherlands  
Phone: +31 (0)413 26 00 67, Fax +31 (0)413 26 09 38, E-mail: inquiry@vlt.nl, Website: www.vlt.nl  
Trade register No. 17150044, VAT No. NL8112.30.946.B01

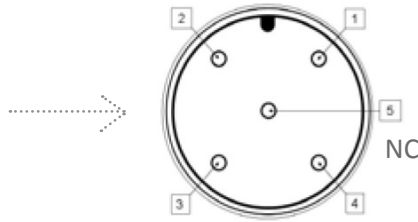


# MetaBright™ Linear Front Light

Model#: MB-LFL1X4

## 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:  
 - Length: 4.331 [110]  
 - Width: .63 [16]  
 - Lighted Area Length: 4.11 [104.4]  
 - Cable Length: .866 [22]  
 - Cable Diameter: .401 [10.2]  
 - Mounting Hole Diameter: .980 [24.9]  
 - Mounting Hole Spacing: .433 [11]  
 - Mounting Hole Diameter: .500 [12.7]  
 - Mounting Hole Spacing: 2.168 [55.1]  
 - Total Mounting Hole Spacing: 3.831 [97.3]  
 - Mounting Hardware: M4X0.7 -6H X .25 (6.4) DP BOTTOM TAP (3) PLACES  
 - Cable: ELECTRICAL CABLE, 10 FT. LG (4) CONDUCTOR, 22 AWG WITH FLYING LEADWIRE ENDS.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONALS ±1/64 ANGULAR: MACH ±2° MEND ±5° TWO PLACE DECIMAL ±.01 THREE PLACE DECIMAL ±.005		NAME	DATE	METAPHASE TECHNOLOGIES, INC. TITLE: FRONT LIGHT, LINEAR, .5 X 4 INCH
		DRAWN: KW	3/16/2012	
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.		CHECKED		SIZE DWG. NO. REV B LFL1X4 A
		ENG APPR.		
MATERIAL FINISH APPLICATION DO NOT SCALE DRAWING		G.A.		SCALE: 1:1 WEIGHT: SHEET 1 OF 1
		COMMENTS:		