

# 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		

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### Vision Light Tech B.V.

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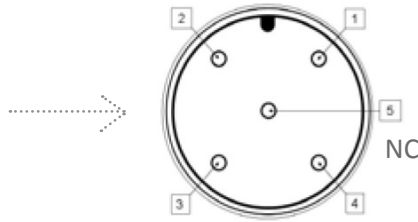


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## M12 Connector

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	

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

LIGHTE  
AREA

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	<p>INTERPRET GEOMETRIC TOLERANCING PER:</p>	<p>DRAWN: KW CHECKED: ENG APPR: MFG APPR:</p>	<p>SIZE: <b>B</b> DWG. NO.: <b>LFL1X4</b> SCALE: 1:1</p>	<p>REV: <b>A</b> SHEET 1 OF 1</p>
	<p>MATERIAL:</p>	<p>FINISH:</p>	<p>COMMENTS:</p>	
	<p>NEXT ASSY:</p>	<p>USED ON:</p>	<p>APPLICATION: DO NOT SCALE DRAWING</p>	