

## MetaLight™ Linear Front Light Model#: 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:	
LFL1X4-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption	0.12A
LFL1X4-R-24	Red 630nm		Housing	Aluminum
LFL1X4-B-24	Blue 455nm		Finish	Anodized
LFL1X4-G-24	Green 530nm		Intensity Uniformity	+/-5%
LFL1X4-IRN-24	Infrared 850nm		Operating Temperature	120° F Max
LFL1X4-IRL-24	Infrared 880nm		Illuminance	75,000 Lux
LFL1X4-UVL-24	UV 395nm		Compliance	CE/RoHS
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:

• L F L 1 X 4 -  - 2 4 -

**W** White 5500k  
**R** Red 630nm  
**G** Green 530nm  
**B** Blue 455 nm  
**IRL** Infrared 880nm  
**UVL** (long) 395nm  
**UVS** (short) 365nm  
**v**

**\*BLANK** 10 ft. Flying Leads  
**T** M12 Quick Disconnect  
**ILD** In Line Dimmer  
**ILS** In Line Strobe (customer provide trigger info)

## MetaLight™ Linear Front Light

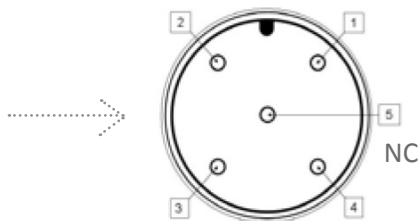
Model#: LFL1X4

### 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

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

<small>UNLESS OTHERWISE SPECIFIED:          DIMENSIONS ARE IN INCHES          TOLERANCES:          FRACTIONALS ±1/64          ANGULAR: MACH ±2° MEND ±5°          TWO PLACE DECIMAL ±.01          THREE PLACE DECIMAL ±.005</small>		NAME	DATE	<b>METAPHASE TECHNOLOGIES, INC.</b>  TITLE: <b>FRONT LIGHT, LINEAR, .5 X 4 INCH</b>
		DRAWN: KW	3/16/2012	
<small>PROPRIETARY AND CONFIDENTIAL          THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF METAPHASE TECHNOLOGIES, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF METAPHASE TECHNOLOGIES, INC. IS PROHIBITED.</small>		CHECKED:		SIZE <b>B</b> DWG. NO. <b>LFL1X4</b> REV <b>A</b> SCALE: 1:1 WEIGHT: SHEET 1 OF 1
		ENG APPR.		
NEXT ASSY:      USED ON:      FINISH:      APPLICATION: DO NOT SCALE DRAWING		MATERIAL:		
		INTERPRET GEOMETRIC TOLERANCING PER:		