

## MetaLight™ Linear Front Light Model#: LFL701



- 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:	
LFL701-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption	0.9A @ 24VDC
LFL701-R-24	Red 630nm		Housing	Aluminum
LFL701-B-24	Blue 455nm		Finish	Anodized
LFL701-G-24	Green 530nm		Intensity Uniformity	+/-5%
LFL701-IRN-24	Infrared 850nm		Illuminance	75,000 Lux
LFL701-IRL-24	Infrared 880nm		Operating Temperature	120° F Max
LFL701-UVL-24	UV 395nm		Compliance	CE/RoHS
LFL701-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
1 in x 30 in 25.4mm x 762mm	31.70in x 1.13in x 1.25in 801mm x 28.58mm x 31.75mm

### ORDERING INFORMATION:

• L F L 7 0 1 -  - 2 4 -

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

**\*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

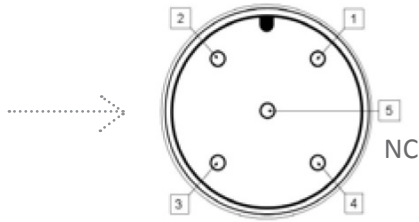
Model#: LFL701

### 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

ELECTRICAL CABLE  
(4) CONDUCTOR, 22 AWG  
10 FT LONG WITH FLYING LEADWIRE ENDS

ILLUMINATION AREA

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	REVISED AND REDRAWN, KW	8/29/2011	

<p><b>UNLESS OTHERWISE SPECIFIED:</b></p> <p>DIMENSIONS ARE IN INCHES</p> <p>TOLERANCES:</p> <p>FRACTIONAL ±</p> <p>ANGULAR: MACH ±</p> <p>BEND ±</p> <p>TWO PLACE DECIMAL ±</p> <p>THREE PLACE DECIMAL ±</p> <p>INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL</p>	<p>NAME: KW</p> <p>DATE: 8-29-11</p>	<p><b>METAPHASE TECHNOLOGIES, INC.</b></p> <p>TITLE:</p> <p><b>FRONT LIGHT, LINEAR 1 X 30</b></p>
<p>PROPRIETARY AND CONFIDENTIAL</p> <p>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.</p>	<p>DRAWN: KW</p> <p>CHECKED:</p> <p>ENG APPR:</p> <p>MGF APPR:</p> <p>Q.A.</p> <p>COMMENTS:</p>	<p>SIZE: <b>B</b></p> <p>DWG. NO.: <b>LFL701</b></p> <p>SCALE: 1:2 WEIGHT:</p>
<p>NEXT ASSY</p> <p>USED ON</p> <p>FINISH</p> <p>APPLICATION: DO NOT SCALE DRAWING</p>		<p>REV: <b>A</b></p> <p>SHEET 1 OF 1</p>