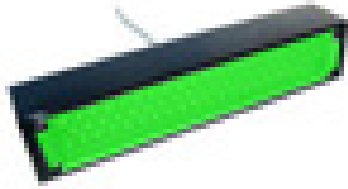


## MetaLight™ Linear Front Light Model#: LFL301



- 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:	
LFL301-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption	0.3A
LFL301-R-24	Red 630nm		Housing	Aluminum
LFL301-B-24	Blue 455nm		Finish	Anodized
LFL301-G-24	Green 530nm		Intensity Uniformity	+/-5%
LFL301-IRN-24	Infrared 850nm		Illuminance	75,000 Lux
LFL301-IRL-24	Infrared 880nm		Operating Temperature	120° F Max
LFL301-UVL-24	UV 395nm		Compliance	CE/RoHS
LFL301-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 10 in 25.4mm x 254mm	11.31in x 1.13in x 1.25in 287mm x 28.6mm x 31.6mm

### ORDERING INFORMATION:

• L F L 3 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

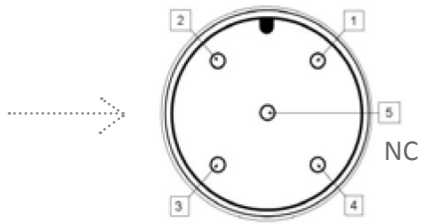
Model#: LFL301

### 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, 10 FT. LG (4) CONDUCTOR, 22 AWG WITH FLYING LEADWIRE ENDS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ADDED PART NO LFL301, KW	7/9/2012	

#8-32 UNC X .31 DP. (2) PLACES EACH SIDE (4) HOLES TOTAL

NOTES: UNLESS OTHERWISE SPECIFIED.

<small>           PROPRIETARY AND CONFIDENTIAL            THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF            &lt;INSERT COMPANY NAME HERE&gt;. ANY            REPRODUCTION IN PART OR AS A WHOLE            WITHOUT THE WRITTEN PERMISSION OF            &lt;INSERT COMPANY NAME HERE&gt; IS            PROHIBITED.         </small>		<small>UNLESS OTHERWISE SPECIFIED:</small> DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MATCH BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±		NAME: KW DATE: 2/23/2011	METAPHASE TECHNOLOGIES, INC. TITLE: FRONT LIGHT, LINEAR, 1 X 10 INCH
		INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL:	G.A. COMMENTS: PART NO. (A) <b>LFL301</b>	SIZE DWG. NO. <b>B LFL305</b>	REV <b>A</b>
NEXT ASSY USED ON APPLICATION	FINISH DO NOT SCALE DRAWING	SCALE: NTS WEIGHT:		SHEET 1 OF 1	