

### MetaLight™ Linear Front Light Model#: LFL501



- 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:	
LFL501-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption	.6A @ 24VDC
LFL501-R-24	Red 630nm		Housing	Aluminum
LFL501-B-24	Blue 455nm		Finish	Anodized
LFL501-G-24	Green 530nm		Intensity Uniformity	+/-5%
LFL501-IRN-24	Infrared 850nm		Illuminance	75,000 Lux
LFL501-IRL-24	Infrared 880nm		Operating Temperature	120° F Max
LFL501-UVL-24	UV 395nm		Compliance	CE/RoHS
LFL501-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 20 in 25.4mm x 508mm	21.14in x 1.13in x 1.25in 537mm x 28.6mm x 31.8mm

### ORDERING INFORMATION:

• L F L 5 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)

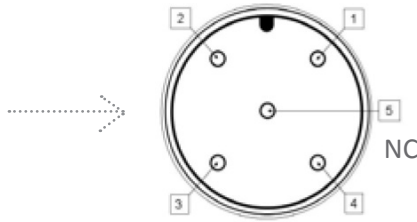
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### Wiring Diagram

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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	B	REVISED AND REDRAWN, KW	11-29-11	

#8-32 UNC X 5/16 DP BOTTOM TAP (2) PLACES BOTH SIDES (4) HOLES TOTAL

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	METAPHASE TECHNOLOGIES, INC.
DIMENSIONS ARE IN INCHES		KW	11/28/2011	TITLE:
TOLERANCES:				FRONT LIGHT, LINEAR, 2 X 20 INCH
FRACTIONAL ±				SIZE DWG. NO.
ANGULAR: MACH ± BEND ±				<b>B</b> LFL501
TWO PLACE DECIMAL ±				REV
THREE PLACE DECIMAL ±				<b>B</b>
INTERPRET GEOMETRIC TOLERANCING PER:				SCALE: NTS WEIGHT:
MATERIAL:				SHEET 1 OF 1
FINISH:				
NEXT ASSY	USED ON			
APPLICATION		DO NOT SCALE DRAWING		



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