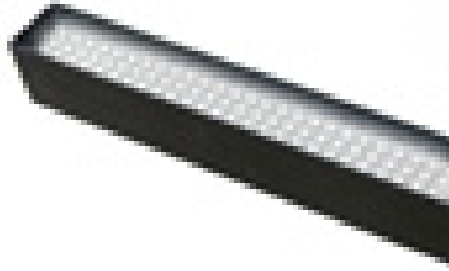


# MetaLight™ Linear Front Light

Model#: LFL801



- 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:	
LFL801-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption	1.05A @ 24VDC
LFL801-R-24	Red 630nm		Housing	Aluminum
LFL801-B-24	Blue 455nm		Finish	Anodized
LFL801-G-24	Green 530nm		Intensity Uniformity	+/-5%
LFL801-IRN-24	Infrared 850nm		Illuminance	75,000 Lux
LFL801-IRL-24	Infrared 880nm		Operating Temperature	120° F Max
LFL801-UVL-24	UV 395nm		Compliance	CE/RoHS
LFL801-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.

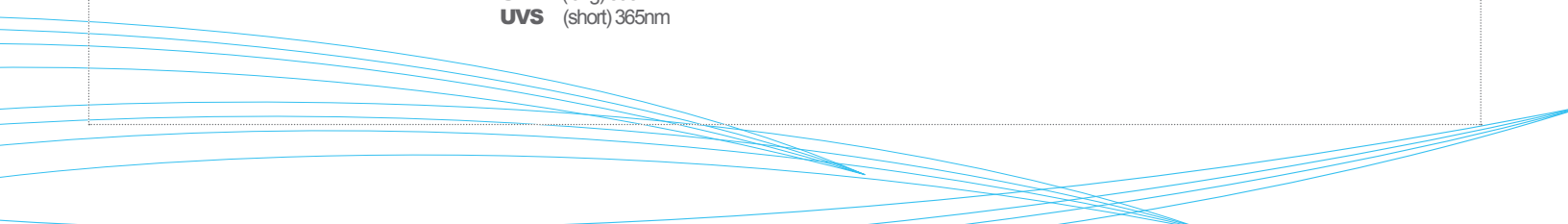
Active Area	Dimensions
1 in x 35 in 25.4mm x 889mm	36.80in x 1.13in x 1.25in 934mm x 28.58mm x 31.75mm

### ORDERING INFORMATION:

• L F L 8 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)



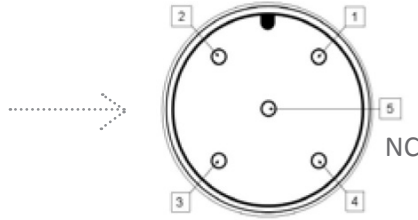
## MetaLight™ Linear Front Light Model#: LFL801

### 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	

#8-32 UNC x 5/16 DP.  
(2) PLACES  
BOTH SIDES  
(4) HOLES TOTAL.

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UNLESS OTHERWISE SPECIFIED:	NAME	DATE	METAPHASE TECHNOLOGIES, INC.
DIMENSIONS ARE IN INCHES	KW	8-29-11	TITLE:
TOLERANCES:			FRONT LIGHT, LINEAR, 1 X 35
FRACTIONAL ±			SIZE DWG. NO.
ANGULAR: MACH ± BEND ±			<b>B</b> LFL801
TWO PLACE DECIMAL ±			REV
THREE PLACE DECIMAL ±			<b>A</b>
INTERPRET GEOMETRIC TOLERANCING PER:			SCALE: 1:2
MATERIAL			WEIGHT:
FINISH			SHEET 1 OF 1
NEXT ASSY	USED ON		
APPLICATION	DO NOT SCALE DRAWING		