

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)

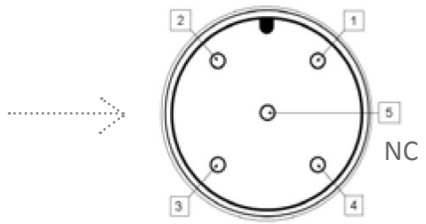
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Wiring Diagram

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

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.

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