

MetaLight™ Linear Front Light

Model#: LFL1101



- 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:	
LFL1101-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption	1.45A @ 24VDC
LFL1101-R-24	Red 630nm		Housing	Aluminum
LFL1101-B-24	Blue 455nm		Finish	Anodized
LFL1101-G-24	Green 530nm		Intensity Uniformity	+/-5%
LFL1101-IRN-24	Infrared 850nm		Illuminance	75,000 Lux
LFL1101-IRL-24	Infrared 880nm		Operating Temperature	120° F Max
LFL1101-UVL-24	UV 395nm		Compliance	CE/RoHS
LFL1101-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 50 in 25.4mm x 1270mm	51.81in x 1.13in x 1.25in 1316mm x 28.58mm x 31.75mm

ORDERING INFORMATION:

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

***BLANK**
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ILD
ILS

10 ft. Flying Leads
M12 Quick Disconnect
In Line Dimmer
In Line Strobe (customer provide trigger info)

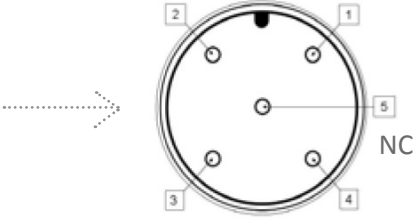
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Wiring Diagram

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.

1.20 [30.40]

1.83 [46.56]

51.81 [1316.05]

1.13 [28.58]

.37 [9.27]

1.25 [31.75]

.52 [13.21]

.56 [14.29]

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	REVISED AND REDRAWN, KW	8/30/2011	

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UNLESS OTHERWISE SPECIFIED:	NAME	DATE	METAPHASE TECHNOLOGIES, INC.
DIMENSIONS ARE IN INCHES	KW	8-30-11	TITLE:
TOLERANCES:			FRONT LIGHT, LINEAR, 1 X 50 INCH
FRACTIONAL: ±			SIZE DWG. NO.
ANGULAR: MATCH ± BEND ±			B LFL1101
TWO PLACE DECIMAL: ±			REV
THREE PLACE DECIMAL: ±			A
INTERPRET GEOMETRIC TOLERANCING PER:			SCALE: 1:10 WEIGHT:
MATERIAL:			SHEET 1 OF 1
FINISH:			
NEXT ASSY:	USED ON:		
APPLICATION:	DO NOT SCALE DRAWING		