

MetaLight™ Linear Front Light

Model#: LFL601



- 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:	
LFL601-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption	.75A @ 24VDC
LFL601-R-24	Red 630nm		Housing	Aluminum
LFL601-B-24	Blue 455nm		Finish	Anodized
LFL601-G-24	Green 530nm		Intensity Uniformity	+/-5%
LFL601-IRN-24	Infrared 850nm		Illuminance	90,000 Lux
LFL601-IRL-24	Infrared 880nm		Operating Temperature	120° F Max
LFL601-UVL-24	UV 395nm		Compliance	CE/RoHS
LFL601-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 25in 25.4mm x 635mm	26.56in x 1.13in x 1.25in 674mm x 28.58mm x 31.75mm

ORDERING INFORMATION:

• L F L 6 0 1 - - 2 4 -

W	White 5500k	*BLANK	10 ft. Flying Leads
R	Red 630nm	T	M12 Quick Disconnect
G	Green 530nm	ILD	In Line Dimmer
B	Blue 455 nm	ILS	In Line Strobe (customer provide trigger info)
IRL	Infrared 880nm		
UVL	(long) 395nm		
UVS	(short) 365nm		

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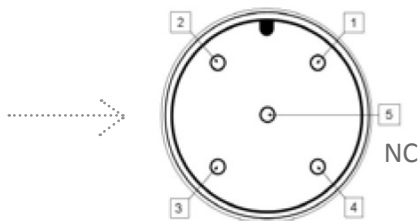
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Wiring Diagram

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	8/16/2011	

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	METAPHASE TECHNOLOGIES, INC.
DIMENSIONS ARE IN INCHES		KW	8-16-11	
TOLERANCES:				
FRACTIONAL ±				
ANGULAR: MATCH ± BEND ±				
TWO PLACE DECIMAL ±				
THREE PLACE DECIMAL ±				
INTERPRET GEOMETRIC TOLERANCING PER:				
MATERIAL:				
FINISH:				
APPLICATION:				
DO NOT SCALE DRAWING				

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TITLE:		FRONT LIGHT, LINEAR, 1 X 25 INCH	
SIZE	DWG. NO.	REV	
B	LFL601	B	
SCALE: NTS WEIGHT:		SHEET 1 OF 1	