

MetaLight™ Linear Front Light

Model#: LFL301



- 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:	
LFL301-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption	0.3A
LFL301-R-24	Red 630nm		Housing	Aluminum
LFL301-B-24	Blue 455nm		Finish	Anodized
LFL301-G-24	Green 530nm		Intensity Uniformity	+/-5%
LFL301-IRN-24	Infrared 850nm		Illuminance	75,000 Lux
LFL301-IRL-24	Infrared 880nm		Operating Temperature	120° F Max
LFL301-UVL-24	UV 395nm		Compliance	CE/RoHS
LFL301-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.

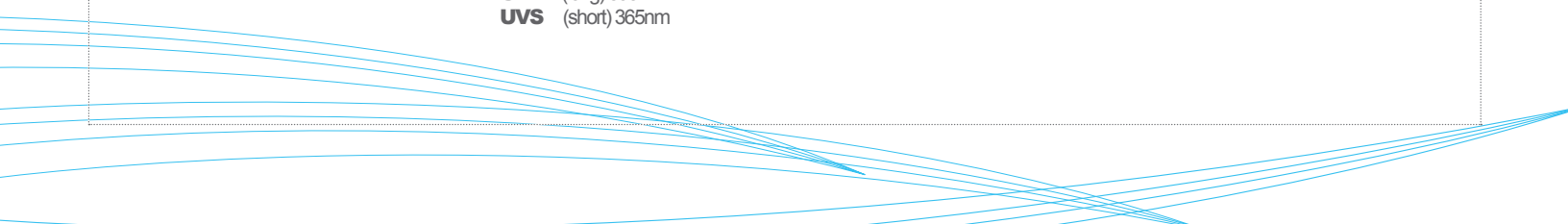
Active Area	Dimensions
1 in x 10 in 25.4mm x 254mm	11.31in x 1.13in x 1.25in 287mm x 28.6mm x 31.6mm

ORDERING INFORMATION:

• L F L 3 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)



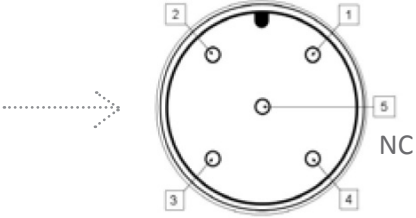
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Wiring Diagram

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, 10 FT. LG (4) CONDUCTOR, 22 AWG WITH FLYING LEADWIRE ENDS.

#8-32 UNC X .31 DP. (2) PLACES EACH SIDE (4) HOLES TOTAL

NOTES: UNLESS OTHERWISE SPECIFIED.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ADDED PART NO.LFL301, KW	7/9/2012	

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	NEXT ASSY	USED ON	FINISH	G.A. COMMENTS:	
	APPLICATION			DO NOT SCALE DRAWING	PART NO. (A) LFL301
				SIZE DWG. NO. REV B LFL305 A	SCALE: NTS WEIGHT: SHEET 1 OF 1