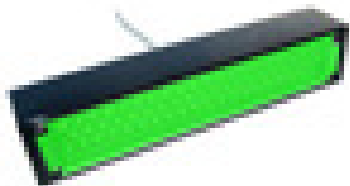


MetaBright™ Linear Front Light

Model#: MB-LFL305



- 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:	
MB-LFL305-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption	0.7A
MB-LFL305-R-24	Red 630nm		Housing	Aluminum
MB-LFL305-B-24	Blue 455nm		Finish	Anodized
MB-LFL305-G-24	Green 530nm		Intensity Uniformity	+/-5%
MB-LFL305-IRN-24	Infrared 850nm		Illuminance	120,000 Lux
MB-LFL305-IRL-24	Infrared 880nm		Operating Temperature	120° F Max
MB-LFL305-UVL-24	UV 395nm		Compliance	CE/RoHS
MB-LFL305-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:

• M B - L F L 3 0 5 - - 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		

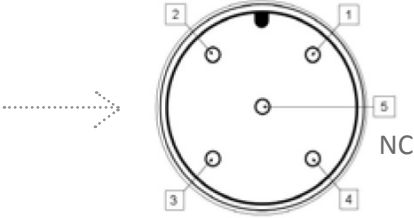
MetaBright™ Linear Front Light Model#: MB-LFL305

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

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

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.

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	METAPHASE TECHNOLOGIES, INC.	
DIMENSIONS ARE IN INCHES		DRAWN	KW		2/23/2011
TOLERANCES:		CHECKED			
FRACTIONAL ±		ENG APPR.			
ANGULAR: MACH ±		MFG APPR.			
BEND ±		G.A.			
TWO PLACE DECIMAL ±		COMMENTS:			
THREE PLACE DECIMAL ±		PART NO.	(A)	SIZE DWG. NO.	
INTERPRET GEOMETRIC TOLERANCING PER MATERIAL		LFL301		B LFL305	
NEXT ASSY		USED ON	FINISH	SCALE: NTS WEIGHT:	
APPLICATION		DO NOT SCALE DRAWING		REV A	
				SHEET 1 OF 1	



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