

MetaBright™ Linear Front Light

Model#: MB-LFL505



- 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-LFL505-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption	1.45A @ 24VDC
MB-LFL505-R-24	Red 630nm		Housing	Aluminum
MB-LFL505-B-24	Blue 455nm		Finish	Anodized
MB-LFL505-G-24	Green 530nm		Intensity Uniformity	+/-5%
MB-LFL505-IRN-24	Infrared 850nm		Illuminance	120,000 Lux
MB-LFL505-IRL-24	Infrared 880nm		Operating Temperature	120° F Max
MB-LFL505-UVL-24	UV 395nm		Compliance	CE/RoHS
MB-LFL505-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 20 in 25.4mm x 508mm	21.14in x 1.13in x 1.25in 537mm x 28.6mm x 31.8mm

ORDERING INFORMATION:

• M B - L F L 5 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		

Vision Light Tech B.V.

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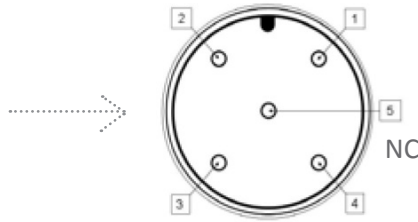
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Wiring Diagram

M12 Connector

PIN #	Function
1	+24VDC
2	0-10VDC Intensity Control
3	Ground
4	Signal Ground



Flying Leads	Function
RED	+24VDC
BLACK	Ground
WHITE	+24VDC
GREEN	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

10.57 [268.5]
21.14 [537]
1.13 [28.6]
1.92 [48.8]
1.25 [31.8]
.37 [9.3]
.56 [14.3]
.52 [13.2]

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	B	REVISED AND REDRAWN, KW	11-29-11	

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	METAPHASE TECHNOLOGIES, INC.
DIMENSIONS ARE IN INCHES		KW	11/28/2011	
TOLERANCES:		TITLE:		
FRACTIONAL ±		FRONT LIGHT, LINEAR, 2 X 20 INCH		
ANGULAR: MACH ± BEND ±		SIZE DWG. NO.		
TWO PLACE DECIMAL ±		B LFL501		
THREE PLACE DECIMAL ±		REV B		
G.A.		SCALE: NTS WEIGHT: SHEET 1 OF 1		
COMMENTS:				
MATERIAL:				
FINISH:				
APPLICATION:		DO NOT SCALE DRAWING		

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