

MetaBright™ Linear Front Light Model#: MB-LFL1305



- 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-LFL1305-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption	4.41A @ 24 VDC
MB-LFL1305-R-24	Red 630nm		Housing	Aluminum
MB-LFL1305-B-24	Blue 455nm		Finish	Anodized
MB-LFL1305-G-24	Green 530nm		Intensity Uniformity	+/-5%
MB-LFL1305-IRN-24	Infrared 850nm		Illuminance	120,000 Lux
MB-LFL1305-IRL-24	Infrared 880nm		Operating Temperature	120° F Max
MB-LFL1305-UVL-24	UV 395nm		Compliance	CE/RoHS
MB-LFL1305-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 60 in 25.4mm x 1524mm	61.81in x 1.13in x 1.25in 1569mm x 28.58mm x 31.75mm

ORDERING INFORMATION:

• M B - L F L 1 3 0 5 - - 2 4 -

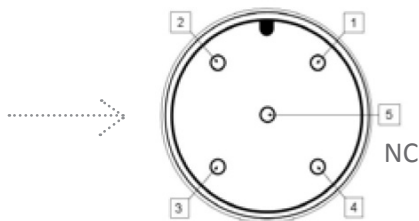
W	White 5500k	*BLANK	10 ft. Flying Leads
R	Red 630nm	T	M12 Quick Disconnect
G	Green 530nm	ILD	In Line Dimmer
B	Blue 455 nm	ILS	In Line Strobe (customer provide trigger info)
IRL	Infrared 880nm		
UVL	(long) 395nm		
UVS	(short) 365nm		

MetaBright™ Linear Front Light

Model#: MB-LFL1305

M12 Connector

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



Wiring Diagram

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

ELECTRICAL CABLE (4) CONDUCTOR, 22 AWG 10 FT LONG WITH FLYING LEADWIRE ENDS.

#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	3/21/12	

Pyramid Imaging
 945 East 11th Avenue Tampa, FL 33605
 sales@pyramidimaging.com
 www.pyramidimaging.com
 813-786-3785

PROPRIETARY AND CONFIDENTIAL
 THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF METAPHASE TECHNOLOGIES, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF METAPHASE TECHNOLOGIES, INC. IS PROHIBITED.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MINUS BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	NAME: KW DATE: 3/21/2012	METAPHASE TECHNOLOGIES, INC.
INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL:	DRAWN: KW CHECKED: ENG APPR.: MFG APPR.:	TITLE: FRONT LIGHT, LINEAR, 1 X 60 INCH
FINISH:	COMMENTS:	SIZE DWG. NO. REV B LFL1301 A
NEXT ASSY: USED ON:	APPLICATION: DO NOT SCALE DRAWING	SCALE: NTS WEIGHT: SHEET 1 OF 1