

### MetaBright™ Linear Front Light

Model#: MB-LFL705



- 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-LFL705-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption	2.19A @ 24VDC
MB-LFL705-R-24	Red 630nm		Housing	Aluminum
MB-LFL705-B-24	Blue 455nm		Finish	Anodized
MB-LFL705-G-24	Green 530nm		Intensity Uniformity	+/-5%
MB-LFL705-IRN-24	Infrared 850nm		Illuminance	120,000 Lux
MB-LFL705-IRL-24	Infrared 880nm		Operating Temperature	120° F Max
MB-LFL705-UVL-24	UV 395nm		Compliance	CE/RoHS
MB-LFL705-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 30 in 25.4mm x 762mm	31.70in x 1.13in x 1.25in 805mm x 28.58mm x 31.75mm

### ORDERING INFORMATION:

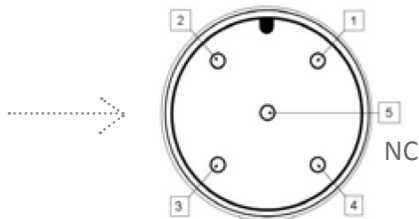
• M B - L F L 7 0 5 -  - 2 4 -

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

## MetaBright™ Linear Front Light Model#: MB-LFL705

### 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

ILLUMINATION AREA

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	REVISED AND REDRAWN, KW	8/29/2011	

#8-32 UNC x 5/16 DP.  
(2) PLACES  
BOTH SIDES  
(4) HOLES TOTAL.

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	METAPHASE TECHNOLOGIES, INC.	
DIMENSIONS ARE IN INCHES		DRAWN	KW		8-29-11
TOLERANCES:		CHECKED			TITLE:
FRACTIONAL ±		ENG APPR.			FRONT LIGHT, LINEAR 1 X 30
ANGULAR: MACH ±		MFG APPR.			SIZE DWG. NO.
TWO PLACE DECIMAL ±		Q.A.			B LFL701
THREE PLACE DECIMAL ±		COMMENTS:		REV	
INTERPRET GEOMETRIC TOLERANCING PER:				A	
MATERIAL:				SCALE: 1:2 WEIGHT:	
	NEXT ASSY	USED ON	FINISH	SHEET 1 OF 1	
	APPLICATION		DO NOT SCALE DRAWING		



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