

# 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		

### Vision Light Tech B.V.

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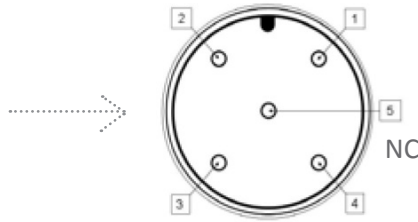
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## Wiring Diagram

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

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

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

ILLUMINATION AREA

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

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±		NAME	DATE	METAPHASE TECHNOLOGIES, INC.
		DRAWN KW	8-29-11	
NEXT ASSY		USED ON	FINISH	TITLE: FRONT LIGHT, LINEAR 1 X 30
APPLICATION		DO NOT SCALE DRAWING		SIZE DWG. NO. <b>B</b> LFL701
<small>PROPRIETARY AND CONFIDENTIAL</small> <small>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF VISION LIGHT TECH. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF VISION LIGHT TECH IS PROHIBITED.</small>		<small>INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL</small>		REV <b>A</b>
				SCALE: 1:2 WEIGHT: SHEET 1 OF 1