

# MetaBright™ Linear Front Light

Model#: MB-LFL805



- 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-LFL805-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption	2.56A @ 24VDC
MB-LFL805-R-24	Red 630nm		Housing	Aluminum
MB-LFL805-B-24	Blue 455nm		Finish	Anodized
MB-LFL805-G-24	Green 530nm		Intensity Uniformity	+/-5%
MB-LFL805-IRN-24	Infrared 850nm		Illuminance	120,000 Lux
MB-LFL805-IRL-24	Infrared 880nm		Operating Temperature	120° F Max
MB-LFL805-UVL-24	UV 395nm		Compliance	CE/RoHS
MB-LFL805-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 35 in 25.4mm x 889mm	36.80in x 1.13in x 1.25in 934mm x 28.58mm x 31.75mm

## ORDERING INFORMATION:

• **M B - L F L 8 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.

Protonenlaan 22, 5405 NE UDEN, P.O. Box 345, 5400 AH UDEN, The Netherlands  
Phone: +31 (0)413 26 00 67, Fax +31 (0)413 26 09 38, E-mail: inquiry@vlt.nl, Website: www.vlt.nl  
Trade register No. 17150044, VAT No. NL8112.30.946.B01

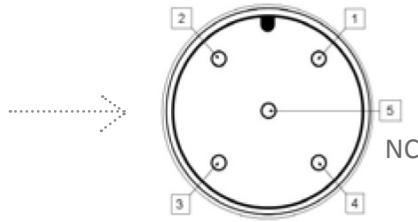


# MetaBright™ Linear Front Light

Model#: MB-LFL805

## 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	

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	METAPHASE TECHNOLOGIES, INC.
DIMENSIONS ARE IN INCHES		KW	8-29-11	
TOLERANCES:				
FRACTIONAL ±				
ANGULAR: MACH ± BEND ±				
TWO PLACE DECIMAL ±				
THREE PLACE DECIMAL ±				
INTERPRET GEOMETRIC TOLERANCING PER:				
MATERIAL:				
FINISH:				
APPLICATION:				
DO NOT SCALE DRAWING				

**PROPRIETARY AND CONFIDENTIAL**  
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.

**FRONT LIGHT, LINEAR, 1 X 35**

SIZE DWG. NO. **B LFL801** REV **A**

SCALE: 1:2 WEIGHT: SHEET 1 OF 1