

# MetaBright™ Linear Front Light

Model#: MB-LFL605



**Vision Light Tech**

creating optical solutions



- Shock and Vibration proof up to 10 G's per MIL STD 883C 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-LFL605-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption 1.82A @ 24VDC
MB-LFL605-R-24	Red 630nm		Housing Aluminum
MB-LFL605-B-24	Blue 455nm		Finish Anodized
MB-LFL605-G-24	Green 530nm		Intensity Uniformity +/-5%
MB-LFL605-IRN-24	Infrared 850nm		Illuminance 90,000 Lux
MB-LFL605-IRL-24	Infrared 880nm		Operating Temperature 120° F Max
MB-LFL605-UVL-24	UV 395nm		Compliance CE/RoHS
MB-LFL605-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 25in 25.4mm x 635mm	26.56in x 1.13in x 1.25in 674mm x 28.58mm x 31.75mm

## ORDERING INFORMATION:

• M B - L F L 6 0 5 -  - 2 4 -

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

### Vision Light Tech B.V.

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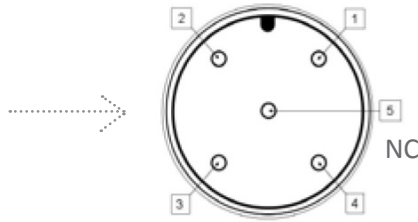
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## Wiring Diagram

### M12 Connector

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

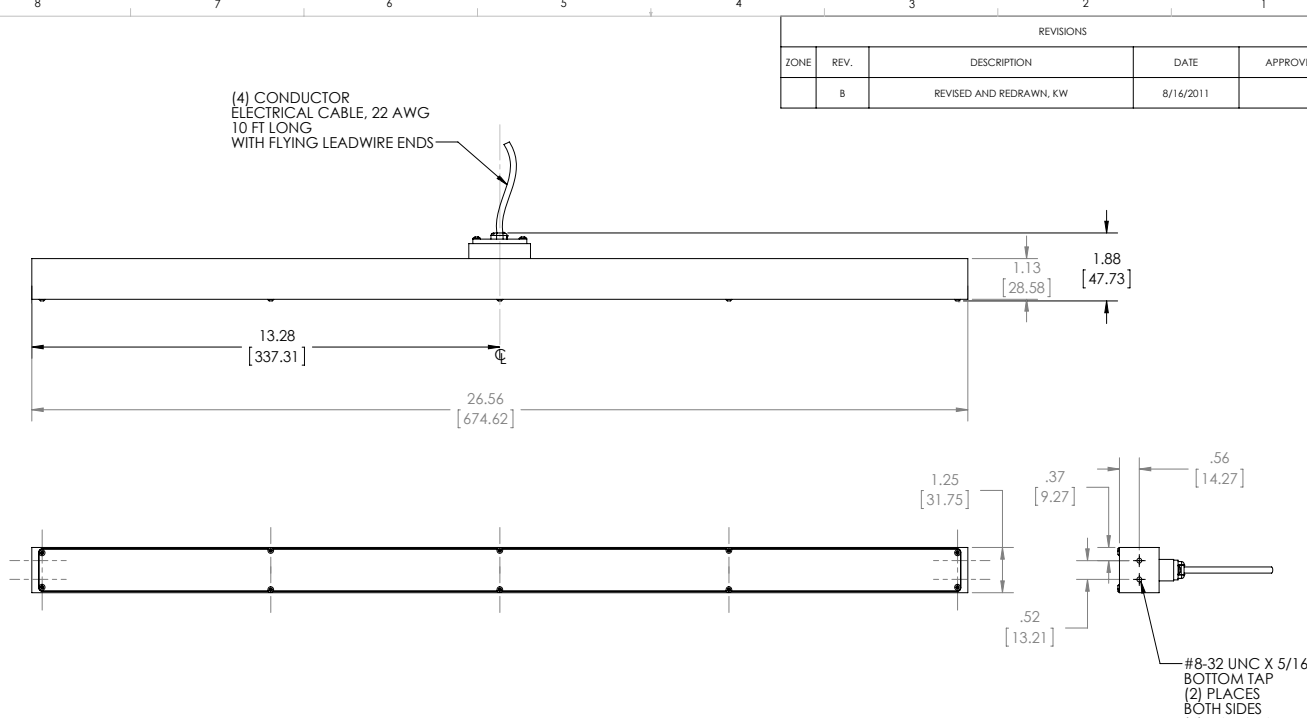


Flying Leads	Function
RED	+24VDC
BLACK	Ground
WHITE	+24VDC
GREEN	Ground

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



13.28 [337.31]      26.56 [674.62]      1.13 [28.58]      1.88 [47.73]

1.25 [31.75]      .37 [9.27]      .56 [14.27]      .52 [13.21]

#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	8/16/2011	

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	METAPHASE TECHNOLOGIES, INC.
DIMENSIONS ARE IN INCHES TOLERANCES:		KW	8-16-11	
FRACTIONAL ±				TITLE:
ANGULAR: MATCH ± BEND ±				FRONT LIGHT, LINEAR, 1 X 25 INCH
TWO PLACE DECIMAL ±				G.A.
THREE PLACE DECIMAL ±				COMMENTS:
INTERPRET GEOMETRIC TOLERANCING PER:				SIZE DWG. NO.
MATERIAL				<b>B</b> LFL601
FINISH				REV <b>B</b>
APPLICATION				SCALE: NTS WEIGHT: SHEET 1 OF 1

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