

# MetaBright™ Linear Front Light

Model#: MB-LFL605



- 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-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>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		

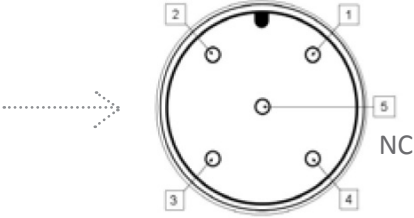
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### Wiring Diagram

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
	B	REVISED AND REDRAWN, KW	8/16/2011	

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

#8-32 UNC X 5/16 DP  
BOTTOM TAP  
(2) PLACES  
BOTH SIDES  
(4) HOLES TOTAL

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UNLESS OTHERWISE SPECIFIED:		NAME	DATE	METAPHASE TECHNOLOGIES, INC.
DIMENSIONS ARE IN INCHES		KW	8-16-11	TITLE:
TOLERANCES:				FRONT LIGHT, LINEAR, 1 X 25 INCH
FRACTIONAL: ±				SIZE DWG. NO.
ANGULAR: MATCH ± BEND ±				<b>B</b> LFL601
TWO PLACE DECIMAL ±				REV
THREE PLACE DECIMAL ±				<b>B</b>
INTERPRET GEOMETRIC TOLERANCING PER:				SCALE: NTS WEIGHT:
MATERIAL:				SHEET 1 OF 1
NEXT ASSY	USED ON	FINISH		
APPLICATION	DO NOT SCALE DRAWING			

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