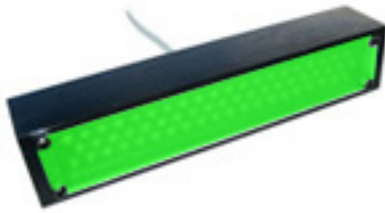


# MetaBright™ Linear Front Light

Model#: MB-LFL205



- 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-LFL205-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption	0.37A
MB-LFL205-R-24	Red 630nm		Housing	Aluminum
MB-LFL205-B-24	Blue 455nm		Finish	Anodized
MB-LFL205-G-24	Green 530nm		Intensity Uniformity	+/-5%
MB-LFL205-IRN-24	Infrared 850nm		Operating Temperature	120° F Max
MB-LFL205-IRL-24	Infrared 880nm		Illuminance	120,000 Lux
MB-LFL205-UVL-24	UV 395nm		Compliance	CE/RoHS
MB-LFL205-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 5.6 in 25.4mm x 143mm	6in x 1.25in x 1.89in 153mm x 31.75mm x 47mm

## ORDERING INFORMATION:

• M B - L F L 2 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

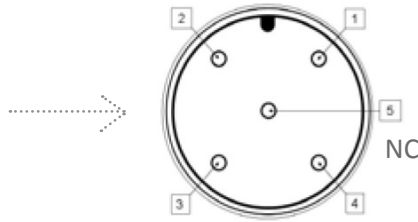


# MetaBright™ Linear Front Light

Model#: MB-LFL205

## 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

Dimensions shown:  
 Side view: 1.25 [31.75], 1.13 [28.58], 1.89 [47.89]  
 Top view: 6.050 [153.67], 5.650 [143.51], 1.000 [25.40], 1.250 [31.75], .360 [9.14], .560 [14.22], .520 [13.21]

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	B	REVISED AND REDRAWN, KW	7/25/2011	

FOUR CONDUCTOR ELECTRICAL CABLE  
24 AWG, 10 FT LONG WITH  
FLYING LEADWIRE ENDS.

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

<b>PROPRIETARY AND CONFIDENTIAL</b> THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF METAPHASE TECHNOLOGIES, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF METAPHASE TECHNOLOGIES, INC. IS PROHIBITED.	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ± INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL: FINISH: NEXT ASSY USED ON APPLICATION DO NOT SCALE DRAWING	NAME: KW DATE: 7-25-11	METAPHASE TECHNOLOGIES, INC. TITLE: FRONT LIGHT, LINEAR, 1 X 5 INCH SIZE DWG. NO. <b>B</b> LFL201 REV <b>B</b> SCALE: 1:2 WEIGHT: SHEET 1 OF 1
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