

MetaBright™ Linear Front Light

Model#: MB-LFL1X6



- 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-LFL1X6-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption	.35A
MB-LFL1X6-R-24	Red 630nm		Housing	Aluminum
MB-LFL1X6-B-24	Blue 455nm		Finish	Anodized
MB-LFL1X6-G-24	Green 530nm		Intensity Uniformity	+/-5%
MB-LFL1X6-IRN-24	Infrared 850nm		Operating Temperature	120° F Max
MB-LFL1X6-IRL-24	Infrared 880nm		Illuminance	120,000 Lux
MB-LFL1X6-UVL-24	UV 395nm		Compliance	CE/RoHS
MB-LFL1X6-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
.63in x 6.41in 16mm x 162.7mm	6.6in x .86in 168.3mm x 22mm

ORDERING INFORMATION:

• M B - L F L 1 X 6 - - 2 4 -

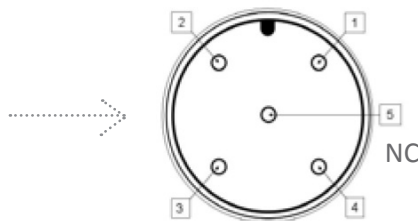
W	White 5500k	*BLANK	10 ft. Flying Leads
R	Red 630nm	T	M12 Quick Disconnect
G	Green 530nm	ILD	In Line Dimmer
B	Blue 455 nm	ILS	In Line Strobe (customer provide trigger info)
IRL	Infrared 880nm		
UVL	(long) 395nm		
UVS	(short) 365nm		

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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

Pyramid Imaging

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REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	REDRAWN IN SOLIDWORKS, KW	3/16/2012	

6.625 [168.3] (Total length)
 .63 [16] (Lighted area thickness)
 6.41 [162.7] (Lighted area length)
 .866 [22] (Cable length)
 .401 [10.2] (Cable diameter)
 .980 [24.9] (Cable diameter)
 .433 [11] (Cable diameter)
 .500 [12.7] (Cable diameter)
 3.314 [84.2] (Cable length)
 6.125 [155.6] (Cable length)

M4X0.7 -6H X .25 (6.4) DP BOTTOM TAP (3) PLACES

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

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UNLESS OTHERWISE SPECIFIED:	NAME	DATE	METAPHASE TECHNOLOGIES, INC.
DIMENSIONS ARE IN INCHES TOLERANCES:	DRAWN: KW	3/16/2012	TITLE:
FRACTIONALS ±1/64	CHECKED:		FRONT LIGHT, LINEAR, .5 X 6 INCH
ANGULAR: MATCH 1/2 MIN @ 15°	ENG APPR:		
TWO PLACE DECIMAL ±.01	MFG APPR:		
THREE PLACE DECIMAL ±.005	Q.A.:		
INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:		
MATERIAL:			
FINISH:			
APPLICATION: DO NOT SCALE DRAWING			

SIZE: **B** DWG. NO.: **LFL1X6** REV: **A**

SCALE: NTS WEIGHT: SHEET 1 OF 1

Pyramid