

MetaBright™ Linear Front Light

Model#: MB-LFL1405



- 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-LFL1405-W-24	White 5500K	24 volt power supply available upon request.	Current Consumption	4.78A @ 24VDC
MB-LFL1405-R-24	Red 630nm		Housing	Aluminum
MB-LFL1405-B-24	Blue 455nm		Finish	Anodized
MB-LFL1405-G-24	Green 530nm		Intensity Uniformity	+/-5%
MB-LFL1405-IRN-24	Infrared 850nm		Operating Temperature	120° F Max
MB-LFL1405-IRL-24	Infrared 880nm		Illuminance	120,000 Lux
MB-LFL1405-UVL-24	UV 395nm		Compliance	CE/RoHS
MB-LFL1405-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 65 in 25.4mm x 1651mm	66.81in x 1.13in x 1.25in 1696mm x 28.58mm x 31.75mm

ORDERING INFORMATION:

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W White 5500k
R Red 630nm
G Green 530nm
B Blue 455 nm
IRL Infrared 880nm
UVL (long) 395nm
UVS (short) 365nm

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10 ft. Flying Leads
M12 Quick Disconnect
In Line Dimmer
In Line Strobe (customer provide trigger info)

MetaBright™ Linear Front Light

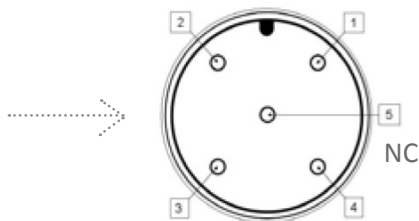
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Wiring Diagram

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

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

2.51 [63.73]

1.83 [46.56]

66.81 [1696.97]

1.13 [28.58]

.56 [14.29]

.37 [9.27]

1.25 [31.75]

.52 [13.21]

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	REVISED AND REDRAWN, KW	3/21/12	

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UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MINUS ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	NAME: KW DATE: 3/21/2012	METAPHASE TECHNOLOGIES, INC.
INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL:	DRAWN: KW CHECKED: ENG APPR.: MFG APPR.:	TITLE: FRONT LIGHT, LINEAR, 1 X 65 INCH
FINISH:	COMMENTS:	SIZE DWG. NO. REV B LFL1401 A
NEXT ASSY: USED ON:	APPLICATION: DO NOT SCALE DRAWING	SCALE: NTS WEIGHT: SHEET 1 OF 1