

MetaBright™ Linear Front Light

Model#: MB-LFL1105



- 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-LFL1105-W-24 | White 5500K | 24 volt power supply available upon request. | Current Consumption | 4.04A @ 24VDC |
| MB-LFL1105-R-24 | Red 630nm | | Housing | Aluminum |
| MB-LFL1105-B-24 | Blue 455nm | | Finish | Anodized |
| MB-LFL1105-G-24 | Green 530nm | | Intensity Uniformity | +/-5% |
| MB-LFL1105-IRN-24 | Infrared 850nm | | Illuminance | 120,000 Lux |
| MB-LFL1105-IRL-24 | Infrared 880nm | | Operating Temperature | 120° F Max |
| MB-LFL1105-UVL-24 | UV 395nm | | Compliance | CE/RoHS |
| MB-LFL1105-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 50 in 25.4mm x 1270mm | 51.81in x 1.13in x 1.25in 1316mm x 28.58mm x 31.75mm |

ORDERING INFORMATION:

• M B - L F L 1 1 0 5 - - 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 | | |

Vision Light Tech B.V.

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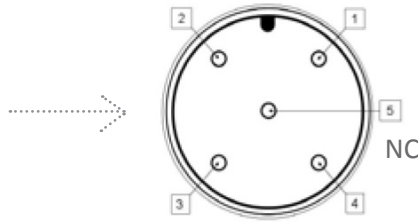


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M12 Connector

| 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

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

1.20 [30.40]

1.83 [46.56]

51.81 [1316.05]

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 | 8/30/2011 | |

| | | | | |
|--------------------------------------|--|------|---------|----------------------------------|
| UNLESS OTHERWISE SPECIFIED: | | NAME | DATE | METAPHASE TECHNOLOGIES, INC. |
| DIMENSIONS ARE IN INCHES | | KW | 8-30-11 | TITLE: |
| TOLERANCES: | | | | FRONT LIGHT, LINEAR, 1 X 50 INCH |
| FRACTIONAL: ± | | | | |
| ANGULAR: MACH ± BEND ± | | | | |
| TWO PLACE DECIMAL: ± | | | | |
| THREE PLACE DECIMAL: ± | | | | |
| INTERPRET GEOMETRIC TOLERANCING PER: | | | | |
| MATERIAL: | | | | |
| FINISH: | | | | |
| APPLICATION: | | | | |
| NEXT ASSY: | | | | |
| USED ON: | | | | |
| DO NOT SCALE DRAWING | | | | |

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| | | |
|-------------|----------------|--------------|
| SIZE | DWG. NO. | REV |
| B | LFL1101 | A |
| SCALE: 1:10 | WEIGHT: | SHEET 1 OF 1 |