

# MetaBright™ Linear Front Light

Model#: MB-LFL705



- 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-LFL705-W-24   | White 5500K    | 24 volt power supply available upon request. | Current Consumption   | 2.19A @ 24VDC |
| MB-LFL705-R-24   | Red 630nm      |  | Housing               | Aluminum      |
| MB-LFL705-B-24   | Blue 455nm     |  | Finish                | Anodized      |
| MB-LFL705-G-24   | Green 530nm    |  | Intensity Uniformity  | +/-5%         |
| MB-LFL705-IRN-24 | Infrared 850nm |  | Illuminance           | 120,000 Lux   |
| MB-LFL705-IRL-24 | Infrared 880nm |  | Operating Temperature | 120° F Max    |
| MB-LFL705-UVL-24 | UV 395nm       |  | Compliance            | CE/RoHS       |
| MB-LFL705-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 30 in<br>25.4mm x 762mm | 31.70in x 1.13in x 1.25in<br>805mm x 28.58mm x 31.75mm |

## ORDERING INFORMATION:

• M B - L F L 7 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.

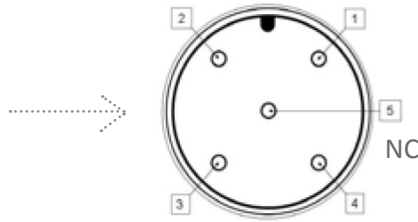
Protonenlaan 22, 5405 NE UDEN, P.O. Box 345, 5400 AH UDEN, The Netherlands  
Phone: +31 (0)413 26 00 67, Fax +31 (0)413 26 09 38, E-mail: inquiry@vlt.nl, Website: www.vlt.nl  
Trade register No. 17150044, VAT No. NL8112.30.946.B01

# MetaBright™ Linear Front Light

Model#: MB-LFL705

## 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

| REVISIONS |      |                         |           |          |
|-----------|------|-------------------------|-----------|----------|
| ZONE      | REV. | DESCRIPTION             | DATE      | APPROVED |
|           | A    | REVISED AND REDRAWN, KW | 8/29/2011 |          |

|   |                      |        |                              |
|---|----------------------|--------|------------------------------|
| <b>UNLESS OTHERWISE SPECIFIED:</b>            | NAME                 | DATE   | METAPHASE TECHNOLOGIES, INC. |
| DIMENSIONS ARE IN INCHES                      | DRAWN                | KW     | 8-29-11                      |
| TOLERANCES:                                   | CHECKED              |        |                              |
| FRACTIONAL ±                                  | ENG APPR.            |        |                              |
| ANGULAR: MACH ±                               | MFG APPR.            |        |                              |
| TWO PLACE DECIMAL ±                           | Q.A.                 |        |                              |
| THREE PLACE DECIMAL ±                         | COMMENTS:            |        |                              |
| INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL |                      |        |                              |
| PROHIBITED                                    |                      |        |                              |
| NEXT ASSY                                     | USED ON              | FINISH |                              |
| APPLICATION                                   | DO NOT SCALE DRAWING |        |                              |

**PROPRIETARY AND CONFIDENTIAL**  
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.

|                    |                        |              |
|--------------------|------------------------|--------------|
| SIZE <b>B</b>      | DWG. NO. <b>LFL701</b> | REV <b>A</b> |
| SCALE: 1:2 WEIGHT: |                        | SHEET 1 OF 1 |