

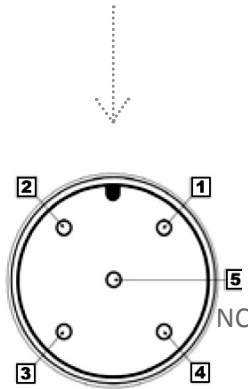
# MetaBright™ Area Backlight

Model#: MB-BL6X20



- Up to 50 SMD LED's per inch array makes our backlights the brightest most stable backlights in the industry
- Exclusive optical lens producing even (+/- 5%), shadow-free illumination
- High Density Precision Chip technology
- Patent-pending thermal management design draws heat directly from the die ensuring long life
- Stable, flicker-free illumination with instant-start operation

| Wiring Diagram |               | M12 Connector |          | Specifications:       |                     |
|----------------|---------------|---------------|----------|-----------------------|---------------------|
| Flying Leads   | Function      | PIN #         | Function |                       |                     |
| RED            | +24VDC        | 1             | +24VDC   | Current Consumption   | 3 ~ 4 Amp @ 24Vdc   |
| BLACK          | Ground        | 3             | Ground   | Housing               | Aluminum            |
| WHITE          | 0~10V         |               |          | Finish                | Powder Coated Black |
| GREEN          | Signal Ground |               |          | Intensity Uniformity  | +/-5%               |
|                |               |               |          | Operating Temperature | 120° F Max          |
|                |               |               |          | Illuminance           | 37,000 Lux          |
|                |               |               |          | Compliance            | CE/RoHS             |
|                |               |               |          | Lifetime Hours        | 75,000 Hours        |



| Active Area                   | Dimensions  |
|-------------------------------|---|
| 6in x 20in<br>152.4mm x 508mm | 7.25 in x 23.86 in x 0.94 in<br>184.15mm x 606.04mm x 23.87mm |

## ORDERING INFORMATION:

• M B - B L 6 X 2 0 - □ - 2 4 - □

|            |                |               |  |
|------------|----------------|---------------|--|
| <b>W</b>   | White 6000k    | <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>IR</b>  | Infrared 880nm |               |  |
| <b>UVL</b> | (long) 395nm   |               |  |
| <b>UVS</b> | (short) 365nm  |               |  |



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|            | Wavelength (nanometers) |
|------------|-------------------------|
| White (°K) | 5500-6500°K             |
| Blue       | 464-485                 |
| Green      | 520-535                 |
| Red        | 620-630                 |
| IRN        | 880                     |
| UVL        | 395                     |
| UVS        | 365                     |

### Contact us:

Contact your Metaphase Technologies Representative for options including: Diffuser Choice, Polarizer & Light Control Film, Specific Intensity & Uniformity, & Wavelength.

### Drawing/Diagram

