MetaLight™ Line Light Model:LL204





Metaphase offers the industry's breakthrough performance line lights for imaging, web, and high-speed line scan applications requiring ultra-high intensity and uniformity. Our line lights are built as lean fixtures that can be easily controlled and integrated into visions systems.

Our MetaLight[™] Line Lights feature an adjustable lens, enhanced cooling options, and low current consumption.

BENEFITS:

- •High Uniformity both laterally and longitudinally
- •Lens Options for various beam widths and working distances
- •Strobe synchronization; Control compatibility for high precision pulsemodulation and 0-10V Intensity Control capability
- •Adjustable lens focusing range of mm to meters
- •Backlight versions for web backlight & silhouetting applications
- •From 1" to 120" (10ft) in length
- •Built-in constant current driver(s) provides consistent illumination output
- •24V version require no special controllers; simply provide 24VDC

APPLICATIONS:

- Road Surface Inspection
- Bottle Inspection
- High Speed Scanning
- Geometry Measurement
- Detection of Holes
- Sheet Inspection
- Web Inspection
- Print Inspection
- Fabrics Inspection
- Solar Cells

RATINGS:





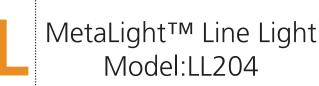
DOMINANT WAVELENGTH:

| Part # | Color | Power Supply |
|--------------|-----------------------------|--------------------------------|
| LL204-W-24 | White 5500K | |
| LL204-R-24 | Red 630nm | |
| LL204-B-24 | Blue 470nm (Optional 455nm) | |
| LL204-G-24 | Green 530nm | 24 volt power supply available |
| LL204-IRN-24 | Infrared 850nm | upon request. |

10 ft. flying leads come standard on all products. Light features built-in constant current driver. No expensive controller required.

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



| ELECTRICAL & CONTROLS: | | |
|------------------------|-------------------------------|--|
| Current Consumption | 0.5A - 0.8A | |
| Light Intensity | +/-5% | |
| Illuminance | 220,000 Lux | |
| Operating Temperature | -40°F(-45°) to 100°F (37.8°C) | |
| Lifetime Hours | 75,000 Hours | |

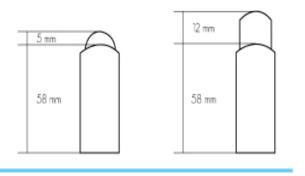
WIRING DIAGRAM:

| RED | +24VDC |
|-------|---------------------------|
| GREEN | Signal Ground |
| BLACK | Ground |
| WHITE | 0-10VDC Intensity Control |
| | |

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

FOCAL LENS:

Metalight Line Light Lens Options



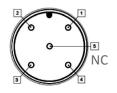


HOUSING:

| Dimensions | Length: 5.875in / 149.2mm Width: 1in / 25.4mm Height: 2.87in / 72.82mm |
|------------|--|
| Weight | .75lb/ 340.194g |
| Housing | Aluminum |
| Finish | Powder Coating - Black |
| | |

WIRING DIAGRAM:

| PIN # | Function |
|-------|------------------------------|
| 1 | +24VDC |
| 2 | 0-10VDC Intensity Control |
| 3 | Ground |
| 4 | Signal Ground |



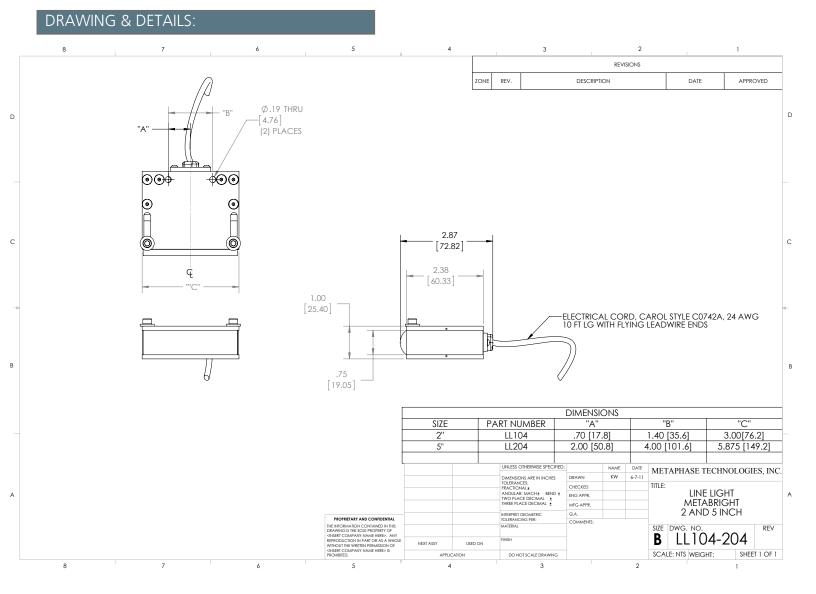
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ORDERING INFORMATION:

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• L L 2 0 4

Back Line Light Option: Replace designator **"LL"** with **"BLL"** on the prefix for units deployed in transmitted imaging applications. ex: BLL204-R-24 - 2 4 -

IRN-Infrared 850nm

* **BLANK**- 10 ft. Flying Leads **T**-M12 Quick Disconnect **ILD**- In Line Dimmer **ILS**- In Line Strobe (customer provide trigger info) **LL** - Long Focal Lens

* Intensity will be lower for NON-Fan option

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