

MINI LIGHT (ML) SERIES

48 VOLT

LED Smart
lighting

PATENT PENDING

DESCRIPTION

The LED Mini Millennium Lighting (ML) series has been designed to work as a direct replacement for existing Mini Light installations. It replace the short lived fluorescent lamps that are typically used in Interior Transportation lighting.

FEATURES

The special features of the LED Light Tube are:

- Solid state lighting device, works well in harsh environments of hot or cold temperatures
- Instant on, no warm up time required
- Lasts 10 times longer than fluorescent
- NO EMI emissions, to eliminate radio interference
- Designed to replace mini light fixtures
- Vibration proof features
- Lead Free Compliant, Mercury Free



26" Mini Light with Cool White LEDs and Blunt Style End Cap (MLF-B-26-48-C-D-S)

STANDARD FEATURES

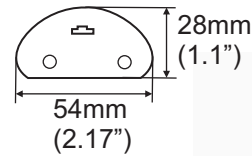
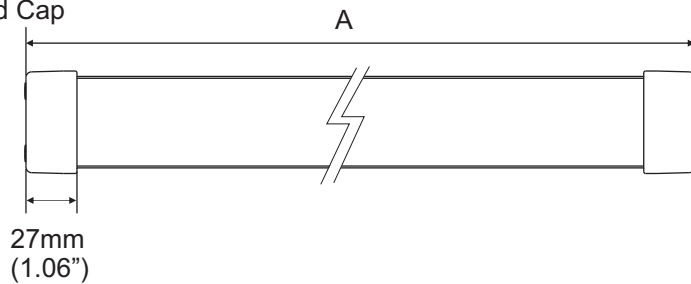
- Cool White LEDs
- 48V Operating Voltage
- Rounded Lens
- Flush mount

OPTIONAL FEATURES

- Colors: Warm White, Neutral White, Amber, Red, Green and Blue
- 12V, 24V and 28V Typical Voltages also available*

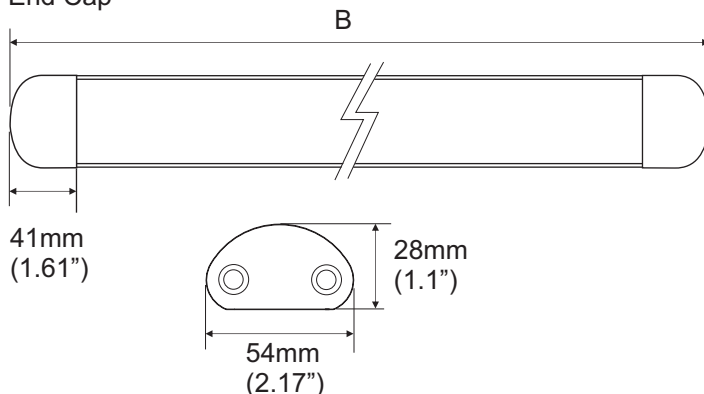
DIMENSIONS

Blunt End Cap



26" Mini Light with Rounded End Caps (MLF-R-26-48-C-D-S)

Rounded End Cap



| Nominal Length | Blunt End | | Rounded End Caps | | Finished Weight | |
|----------------|-----------|------|------------------|------|-----------------|-------|
| | mm | inch | mm | inch | g | lbs |
| 14" | 348 | 13.7 | 376 | 14.8 | 228 | 0.502 |
| 26" | 653 | 25.7 | 680 | 26.8 | 428 | 0.944 |
| 38" | 958 | 37.7 | 985 | 38.8 | 629 | 1.387 |
| 50" | 1262 | 49.7 | 1290 | 50.8 | 829 | 1.828 |
| 62" | 1567 | 61.7 | 1595 | 62.8 | 1030 | 2.271 |

*Custom Order, Contact LED Smart for details

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ELECTRICAL STATS & OPERATING FUNCTIONS

| COOL WHITE | | | | | | | | |
|------------|-----------------------|---------------------|-----|-----|--------------------------|---------------------------------------|---------------------------|----------------------------|
| Type | Nominal Length (inch) | Input Voltage (Vdc) | | | Input Current (mA @ 48V) | Luminous Intensity (Estimated Lumens) | Power Consumption (Watts) | Color Temperature (Kelvin) |
| | | MIN | TYP | MAX | | TYP | TYP | TYP |
| MLF | 26" | 37 | 48 | 60 | 300 | 1215 | 15 | 5000 |
| | 50" | | | | 620 | 2430 | 30 | 5000 |

*For (S) Single Side frosted lens, reduce stated brightness by 5%
 For (D) Double Side frosted lens, reduce stated brightness by 26%
 Operating Temperature: - 30°C(-22°F) to 50°C (122°F)
 Typical Color Temperature: 5000K

ORDERING INFORMATION

| SERIES | TYPE | END CAP | LENGTH | VOLTAGE | COLOR | LENS TYPE | INTENSITY |
|--------|--|----------|--------|--|--|---|-----------|
| ML | F | X | XX | 48 | X | X | X |
| | B = Blunt End R = Round End J = Junction End | 26 50 | 48V | <ul style="list-style-type: none"> ○ C = Cool White ○ N = Neutral White* ○ W = Warm White* ● A = Amber* ● R = Red* ● G = Green* ● B = Blue* | <ul style="list-style-type: none"> C = Clear* D = Double Side Frosted, white S = Single side frosted, White | <ul style="list-style-type: none"> S = Single Intensity D = Dual Intensity (100% - 20%) | |

Example:

MLF-J-50-48-C-D-S = Mini Light, D Type, Junction End Caps, 50", 48V, Cool White, Double Frosted Lens, Single Intensity

COLORS

WHITES



* Custom order item, contact LED Smart Inc. for more details.

WARNINGS & SAFETY

High power LEDs have a high intensity of light in a single point. Avoid looking directly at the source of light for any prolonged time as it could cause retinal damage. This light source should be shielded with the a lens as provided by LED Smart Inc. The removal of the lens would void all warranties and liability from the manufacturer and distributor of this product.

LED Smart Inc. works to continually improve our products, we reserve the right to change or modify the designs or specifications of this product at any time without prior notice. All rights reserved. This product is under a patent pending protection.