

# MLLG-E-LED-EXPLI-100-50-[V]-C1D1

100 Watt Explosion Proof Linear LED Light

Project Name \_\_\_\_\_



### DETAILS

100 Watt LED Explosion Proof fixture - Class 1 Division 1. These lights are a compact linear fixture that replaces fluorescent lighting and metal halide lighting. This is a die-cast aluminum fixture designed for industrial hazardous locations. Extremely robust with high impact IK10 and wet weather rating IP66 for both indoor and outdoor applications.

Explosion Proof C1D1

OVERVIEW

|                            |                                  |
|----------------------------|----------------------------------|
| SKU                        | MLLG-E-LED-EXPLI-100-50-[V]-C1D1 |
| Wattage                    | 100                              |
| Lumens                     | 14000                            |
| Lumens Per Watt (Efficacy) | 140                              |
| Color Temperature          | 5000K                            |
| Voltage                    | 100V-277V   277V-480V            |



PRODUCT DIMENSIONS

|                    |                   |
|--------------------|-------------------|
| Product Dimensions | 47 X 5.5 X 8.1 in |
| Product Weight     | 26 lbs            |



UL SPECS

|  |
|--|
| UL 844 Hazardous Locations             |
| Class I, Division 1, Groups C,D        |
| Class I, Division 2, Groups A, B, C, D |
| Class II, Division 1, Groups E, F, G   |
| Class II, Division 2, Groups F, G      |
| Class III                              |
| UL 1598 Suitable for Wet Locations     |
| UL 1598A Marine Outside Type           |
| ABS                                    |



Product design upgrades may result in specification changes without notice. Speak to a Product Specialist for the latest information.

[www.ledlightingsupply.com](http://www.ledlightingsupply.com) (888) 423-3191

Headquartered at: 1 Chestnut Street, 4M Nashua NH 03060

WebID: 1927

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| PRODUCT SPECIFICATIONS |                       |  |
|------------------------|-----------------------|--|
|                        | Wattage               | 100  |
|                        | Lumens                | 14000  |
|                        | Color Temperature     | 5000K  |
|                        | CRI                   | 70+  |
|                        | Beam Angles           | 120°   |
|                        | Replaces              | 400 Watt Metal Halide                                    |
|                        | Voltage               | 100-277   277-480  |
|                        | Power Factor (PF)     | >.95   |
|                        | THD                   | < 10%  |
|                        | Dimming               | 1-10V  |
|                        | Power Factor (PF)     | 50-60Hz  |
|                        | Housing               | Copper Free Aluminum                                     |
|                        | IP Rating             | IP66   |
|                        | IK Rating             | IK10   |
|                        | Operating Temperature | -40°F to 140°F   |
|                        | Rated Life            | 50,000 (L70) hours                                       |
|                        | Certifications        | Rebate Eligible   ETL Listed   NSF Certified   ROHS   CB |
|                        | Warranty              | 5  |
|                        | Mount                 | Yoke   3/4 in NPT Pendant                                |
|                        | Color Options         | Gray   |



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## ⚡ ENERGY SAVINGS

Based on 12 hours / day and \$0.13 kWh - eia.gov national average(2025)

| Metal Halide Wattage | LED Wattage | 1 Year Energy Savings | 5 Year Energy Savings |
|----------------------|-------------|-----------------------|-----------------------|
| 400                  | 100         | \$170.04              | \$850.20              |

## 🔍 PRODUCT FAMILY MODELS

| SKU                              | Wattage | Lumens | Lumens/Watt |
|----------------------------------|---------|--------|-------------|
| MLLG-E-LED-EXPLI2-50-50-U-C1D1   | 50      | 7000   | 140         |
| MLLG-E-LED-EXPLI-40-50-[V]-C1D1  | 40      | 5600   | 140         |
| MLLG-E-LED-EXPLI-60-50-[V]-C1D1  | 60      | 8400   | 140         |
| MLLG-E-LED-EXPLI-80-50-[V]-C1D1  | 80      | 11200  | 140         |
| MLLG-E-LED-EXPLI-100-50-[V]-C1D1 | 100     | 14000  | 140         |

## ⚡ SAMPLE COMPLETED PROJECTS WITH THIS PRODUCT



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