

# Mini Disc Marker Light

Robust and energy-efficient, the LED Mini Disc Light, with its durable construction and low 0.24W consumption, suits a multitude of indoor/outdoor applications. It offers long-lasting illumination in both round and square designs, ensuring compatibility with any décor at an affordable cost.



## FEATURES

- Dimmable on the primary power supply side with drivers
- 50,000 hour durability
- Ultra-low consumption: 0.24 watts per fixture
- 12V class 2 safety
- Up to 100 fixtures per supply
- cETLus certified
- Fits 1" diameter, 3.5" depth
- Lens: Frosted Tempered Glass
- 2 years limited warranty, 3 years on stainless steel

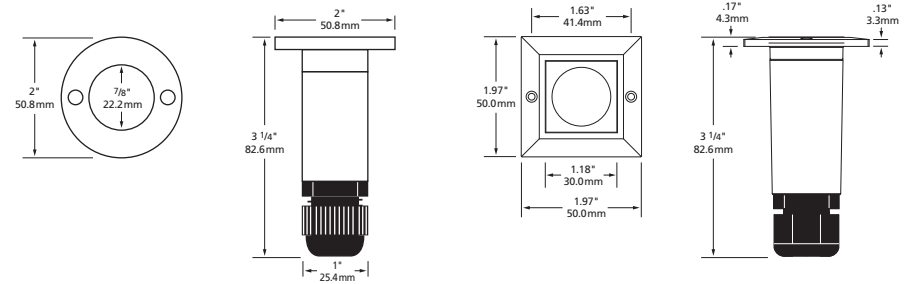
## APPLICATIONS

- Steps
- Aisles
- Paths
- Driveways
- Direction lighting
- Information lighting
- Decorative lighting
- Merchandising
- Landscape accents

| SPECIFICATIONS |   |   |                         |
|----------------|---|---|-------------------------|
| Product Code   | LEDMD-XX-YY (ROUND)   |   | LEDMD-XX-YY-SQ (SQUARE) |
| Electrical     | Input Voltage   | 12V DC  |                         |
|                | Power Consumption   | 0.24W   |                         |
| Specs          | Colour Temperature  | Cool White 5400K, Warm White 2900K, Blue, Green, Amber, Red |                         |
|                | CRI   | 80+   |                         |
|                | Lumen Output  | 17  |                         |
|                | Efficacy (LM/W)   | 70  |                         |
|                | Dimmable  | Yes   |                         |
|                | Beam Angle  | 120   |                         |
| LED            | Life Span   | 50,000 Hours  |                         |
| Design         | Dimensions (Inches)   | 3 1/4 x 2"  | 3 1/4 x 1.97"           |
|                | Dimensions (Millimeters)  | 82.6 x 50.8mm   | 82.6 x 50mm             |
|                | Cover Finish  | Aluminum, White, Bronze, Black, Stainless Steel             |                         |
|                | Barrel Finish   | Aluminum, White, Bronze, Black, Stainless Steel             |                         |
|                | Material  | Both cover and barrel are die cast aluminum                 |                         |
|                | Lens  | Frosted tempered glass                                      |                         |
|                | Approved Location   | Outdoor   |                         |
|                | Mounting  | Recessed  |                         |
| Warranty       | 3 years   |   |                         |
| Approvals      | cETLus listed and labeled for wet, IC, ceiling, wall and direct burial applications |   |                         |

- **NOTE:** When installing Mini Disc Lights in harsh environments (such as limestone, salted areas, coastal environments, etc.) please use the stainless steel version to avoid the risk of corrosion to the body of the fixture.
- Each LED Driver can power up to 200 LED MiniDisc Lights by parallel wiring ("daisy chain") between fixtures.
- **NOTE:** Use LW-18G-CL2 for all in-wall applications, LW-18G-BUR for all burial applications.

## DIAGRAM



## PRODUCT CODES

| ROUND<br>LEDMD-XX-YY |               |                      |
|----------------------|---------------|----------------------|
| LED Light            | COLOUR OF LED | FINISH               |
| MiniDisc             | CW - 5400K    | AL - Aluminum        |
| Light                | WW - 2900K    | WH - White           |
|                      | AM - Amber    | BZ - Bronze          |
|                      | BL - Blue     | BK - Black           |
|                      | GR - Green    | SS - Stainless Steel |
|                      | RD - Red      |                      |

| SQUARE<br>LEDMD-XX-YY-SQ |               |                      |
|--------------------------|---------------|----------------------|
| LED Light                | COLOUR OF LED | FINISH               |
| MiniDisc                 | CW - 5400K    | AL - Aluminum        |
| Light                    | WW - 2900K    | WH - White           |
|                          | AM - Amber    | BZ - Bronze          |
|                          | BL - Blue     | BK - Black           |
|                          | GR - Green    | SS - Stainless Steel |
|                          | RD - Red      |                      |

## REPLACEMENT LED MODULES

- **LCL-LEDMOD-WH**  
LED Mini Disc Light module, 12V, white LED 5400K
- **LCL-LEDMOD-WW**  
LED Mini Disc Light module, 12V, warm white LED 2900K

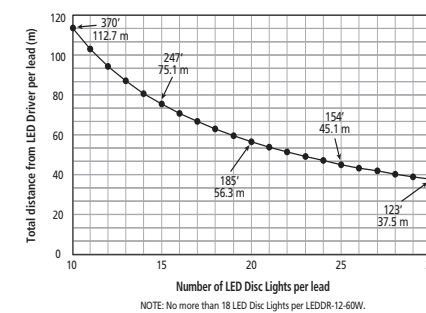
## INSTALLATION WIRES

- **LW-18G-BUR**  
For outdoor burial connections
- **LW-18G-CL2**  
For indoor through wall connections

**NOTE:** One of the above wires **MUST** be used in order to maintain product warranty.

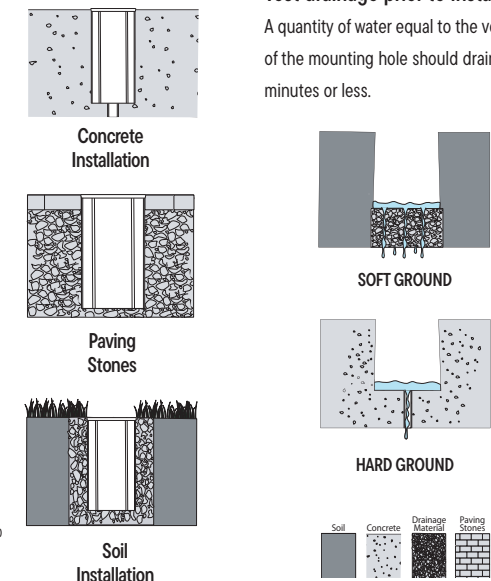
## 100% LED Light Output Chart

With every foot of lead wire and every light fixture, there is voltage loss. With too much voltage loss all light fixtures will not develop 100% of their potential output. Below is a chart of acceptable voltage loss which will maintain 100% of the potential light output of the LED Disc Light. Simply plot the number of LED Disc Light you wish to place on one lead on the horizontal axis, with the total distance from the LED Driver to the last LED Disc Light on the vertical axis. If the resulting plot is at or below the line shown, you will have acceptable voltage loss and your LED Disc Light will output 100% of their potential.



## WARNING: LACK OF DRAINAGE WILL VOID THE WARRANTY

To maintain the warranty, a proper drainage system **MUST** be installed (drainage material or drainage pipe), when the product is installed in soil or concrete.



## ACCESSORIES



**LEDMD-CF**  
LED Mini Disc Light concrete form for concrete pour applications. Fits over most 1/2" (12.7mm) conduit junction boxes.

**LEDMD-CF-SQ**  
LED MiniDisc Light Square concrete form for concrete pour applications. Fits over most 1/2" (12.7mm) conduit junction boxes.

## DIMMABLE DRIVERS

**MLDRE-20-12-DM**  
20 Watts  
Max. recommended load 18 W or 75 Mini Disc Lights  
Min. recommended load 8 W or 34 Mini Disc Lights  
6.77" x 2.67" x 1.26" (171 x 68 x 2mm)

**MLDRE-60-12-DM**  
60 Watts  
Max. recommended load 54 W or 200 Mini Disc Lights  
Min. recommended load 8 W or 34 Mini Disc Lights  
6.77" x 2.67" x 1.26" (171 x 68 x 32mm)

## NON DIMMABLE DRIVERS

**LEDDR-12-20W-HW (Indoor)**  
20W hardwire  
Input: 100 - 240V AC  
Output: 12V DC  
Max. 75 Mini Disc Lights  
4 1/8" x 4 1/8" x 1 1/2" (104.8 x 104.8 x 38.1mm)

**LEDDR-12-60W (Indoor/Outdoor)**  
60W hardwire  
Input: 100 - 240V AC  
Output: 12V DC  
Max. 200 Mini Disc Lights  
9 11/16" x 2 9/16" x 2 1/16" (246 x 65 x 52mm)