NSL
NATIONAL SPECIALTY LIGHTING

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.

ETLus Intertek

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
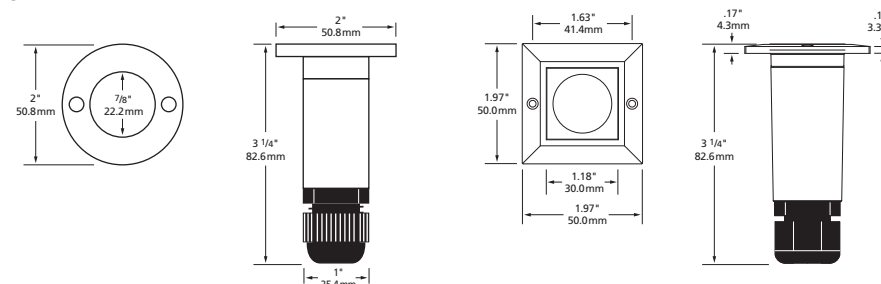
APPLICATIONS

- Steps
- Aisles
- Paths
- Driveways
- Direction lighting

- Information lighting
- Decorative lighting
- Merchandising
- Landscape accents

SPECIFICATIONS

		LEDMD-XX-YY (ROUND)	LEDMD-XX-YY-SQ (SQUARE)
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.

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DIAGRAM

2" 50.8mm	7/8" 22.2mm	3 1/4" 82.6mm
2" 50.8mm	1" 25.4mm	
1.63" 41.4mm	.17" 4.3mm	.13" 3.3mm
1.97" 50.0mm	1.18" 30.0mm	1.97" 50.0mm
		3 1/4" 82.6mm

PRODUCT CODES

ROUND

LEDMD-XX-YY

LED	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

LEDMD-XX-YY-SQ

LED	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**
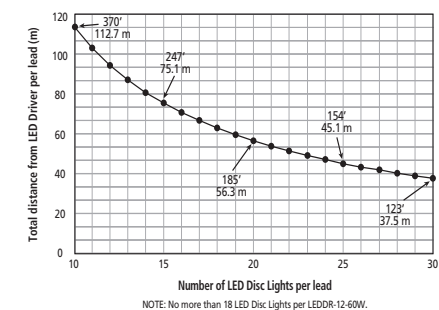 LED Mini Disc Light module, 12V, warm white LED 2900K

INSTALLATION WIRES

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

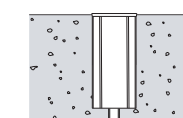NOTE: One of the above wires MUST be used in order to maintain product warranty.

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.
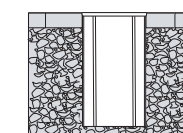

Total distance from LED Driver per lead (m)

370' / 112.7 m
247' / 75.1 m
185' / 56.3 m
154' / 45.1 m
123' / 37.5 m

Number of LED Disc Lights per lead
NOTE: No more than 18 LED Disc Lights per LEDDR-12-60W.
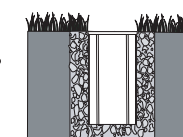
WARNING: LACK OF DRAINAGE WILL VOID THE WARRANTY

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.

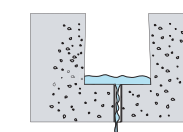**Test drainage prior to installation.**
A quantity of water equal to the volume of the mounting hole should drain in 15 minutes or less.

Concrete Installation

Paving Stones

Soil Installation

SOFT GROUND

HARD GROUND

Soil / Concrete / Drainage Material / Paving Stones
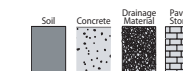
ACCESSORIES

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

TRE12L20DC
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)

TRE12L60DC
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-12-60W (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)

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