

M1 LED DECK & STEP LIGHT



45° Beam

The M1 LED Deck & Step Light is a compact, low-voltage LED luminaire designed to deliver precise, glare-controlled illumination for step, deck, cabinet, and display applications. Featuring a 1W output with a narrow beam distribution and high color rendering, it provides effective visual guidance while maintaining minimal visual impact. Fully sealed and IC-rated, the M1 is suitable for both indoor and outdoor installations where durability and clean integration are required.

Key Features

- 1W low-voltage LED light engine
- Narrow 45° beam for controlled light distribution
- High color rendering performance (CRI 90+)
- Fully sealed construction for indoor and outdoor use (IP67 rated)
- IC-rated for safe installation in confined spaces
- Dimmable with compatible low-voltage dimming systems
- Pressure-fit stainless steel clips for secure recessed mounting
- Optional in-ground housing available
- Compatible with interchangeable trim options (sold separately)

Includes

- LED Light Engine
- Interchangeable frosted white diffuser lens
- Trim options available separately*

Applications

Step and stair lighting | Deck and railing illumination | Cabinet and millwork lighting | Display and accent lighting



40mm

50mm

Square

More trim available on next page.

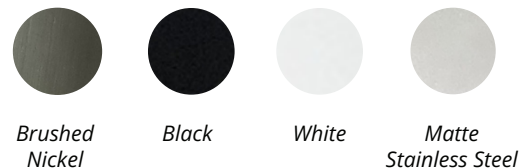
Installation

Recessed mounting, 1^{3/8"} (35mm) cutout, pressure fit clips

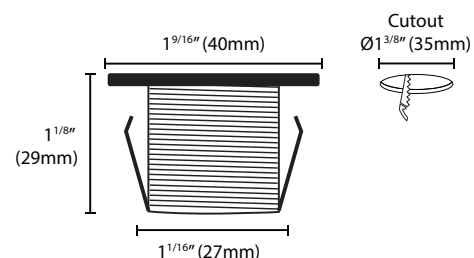
Specifications

Voltage	12V DC
Wattage	1W
Lumens	95
Color Temp	2700K / 3000K / 4000K / 5000K
Beam Angle	45°
# of LEDs	1 COB LED
CRI	>90
IP Rating	67
Operating Temp	-20~+45°C (-4~113°F)
Lifespan	+50,000 hours
Lead Wire Length	12" (30cm)
Warranty	3-year

Finishes Available



Dimensions



ORDERING CODES

Light Engine

LS -

Product

RD12

-

of LEDs

1

-

Color Temp

1 : 1 COB LED

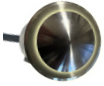
27K : 2700K

4K : 4000K

Trims

Product	Code	Finish	Description
	LS-RD12-RD-BN	Brushed Nickel	Round trim, Aluminum, 1 9/16" (40mm)
	LS-RD12-RD-BK	Black	
	LS-RD12-RD-WT	White	
	LS-RD12-MT-BN	Brushed Nickel	Round trim, Aluminum, 2" (50mm)
	LS-RD12-MT-BK	Black	
	LS-RD12-MT-WT	White	
	LS-RD12-BT-BN	Brushed Nickel	Round trim, Aluminum, 2 3/4" (70mm)
	LS-RD12-BT-BK	Black	
	LS-RD12-SC-BN	Brushed Nickel	Scoop trim, Directs light down. Includes round trim and scoop piece. Aluminum, 1 9/16" (40mm)
	LS-RD12-SC-BK	Black	
	LS-RD12-SC-WT	White	
	LS-RD12-HC-BN	Brushed Nickel	NEW Honeycomb trim, Shades light from eyes. Includes round trim and honeycomb piece. Aluminum, 1 9/16" (40mm)
	LS-RD12-HC-BK	Black	
	LS-RD12-HC-WT	White	
	LS-RD12-LVR-BN	Brushed Nickel	NEW Louver trim, Directs light down. Includes round trim and louver piece. Aluminum, 1 9/16" (40mm)
	LS-RD12-LVR-BK	Black	
	LS-RD12-LVR-WT	White	
	LS-RD12-SQ-BN	Brushed Nickel	Square trim, PC, W1 9/16 x H1 9/16" (W40 x H40mm)
	LS-RD12-SQ-BK	Black	
	LS-RD12-SQ-WT	White	
	LS-RD12-RD-SS	Matte Stainless Steel	Round Trim, Stainless Steel, Ø2" (Ø50mm)
	LS-RD12-SQ-SS	Matte Stainless Steel	Square trim, Stainless Steel, W2 x H2" (W50 x H50mm)
	LS-RD12-1WY-SS	Matte Stainless Steel	1-Way trim, Stainless Steel, Ø2" (Ø50mm)

Trims

Product	Code	Finish	Description
	LS-RD12-BLT-BN	Back Lit Trim	Back lit, Brushed Nickel, Ø1 ^{1/2"} (Ø40mm)

Accessories

Product	Code	Description
	LS-RD12-IGH	Black Inground Housing, H2 ^{3/4} x W1 ^{7/16"} (H70 x W37mm)
	LS-RD12-WL	Frosted White Diffuser Lens, Optional lens offers diffusion for 1W and 2W LEDs
	LS-RD12-RG-SP	Regressed Light Spacer - Optional
 INCLUDES	LS-STCTRL28	Automatic Step light control: Controls up to 28 step lights with smooth on/off, step sequencing, and more. Adjust mode, brightness, delay time, and speed.
	LS-OW-16-2-100	Outdoor wire for led lights. 16-2 AWG
	LS-GEL-MAR	Outdoor rated, gel filled marettes ensure secure electrical connections in outdoor and wet conditions. Pack of 2.

Power Supplies

Image	Code	Voltage	Output Power	Class II	Dimmable Specs
Non-Dimmable					
	LS-12V-15W-CV	12V	Max. 15W	√	N/A
	LS-12V-30W-CV	12V	Max. 30W	√	N/A
	LS-12V-30W-O-CV	12V	Max. 30W	√	Non-Dim with Plug
	LS-12V-60W-O-CV	12V	Max. 60W	√	Non-Dim with Plug

Power Supplies

Image	Code	Voltage	Output Power	Class II	Dimmable Specs
Dimmable					
	LS-12V-24D-CV	12V	Max. 24W	✓	Triac Dimming
	LS-12V-48D-CV		Max. 48W	✓	
	LS-12V-60D-CV		Max. 60W	✓	
	LS-12V-30D-MLT-CV	12V	Max. 30W	✓	Triac/Phase. 0-10V, 1-10V, Potentiometer, 10V PWM 5 in 1 dimming
	LS-12V-60D-MLT-CV	12V	Max. 60W	✓	Triac/Phase. 0-10V, 1-10V, Potentiometer, 10V PWM 5 in 1 dimming