



WARRANTY & RATING



SPECIFICATIONS

- Wattage: 3W
- Voltage: 12V-24V AC/DC
- Luminous Flux: 100lm
- Beam Angle: 55°
- Color Rendering Index (CRI): 90
- Lifespan: 30,000hrs
- Light Source: LED
- Color Temperature (CCT): 3000K warm white
- Waterproof Rating: IP65
- Operating Temperature: -4°F-104°F
- Material: Aluminum & stainless steel

PRODUCT DESCRIPTION

LEONLITE's LED Deck Lights offer a safe, waterproof lighting solution that complements any stair or railing. Their unique louver baffle design ensures a soft, glare-free light, with a high color rendition to brighten spaces with true-to-life colors.

FEATURES & BENEFITS

- Safe for living spaces: suitable for 12-24V circuits, pet and child-Friendly.
- Glare-free design: louvered baffles direct light downward, enhancing comfort.
- Long-lasting: 30,000-hour lifespan reduces the need for replacements.
- Extended Reach: 55-degree beam spreads light effectively over large areas.
- Clean look: screwless surface and insect-resistant sealing maintain aesthetics.

POWER AND ELECTRICAL FEATURES

- Voltage & Power: Operates on AC/DC 12V to 24V with a power consumption of 3W, drawing a current of 34mA.
- Wiring: Features UL-certified wiring with American wire gauge (AWG) 20 and brass material, connected with P4 terminals.
- PCB Board Size: Diameter approximately 1.97 inches, with a thickness of 0.04 inches.

DESIGN AND STRUCTURE

- Materials: Aluminum face shell and stainless steel mounting plate, offering excellent corrosion and rust resistance, particularly in wet locations.
- Design: Anti-dazzling louver baffle design ensures balanced downward lighting. The surface is screw-free, enhancing the aesthetic appeal.
- Sealing: Well-sealed to prevent insect intrusion and ensure uniform lighting.

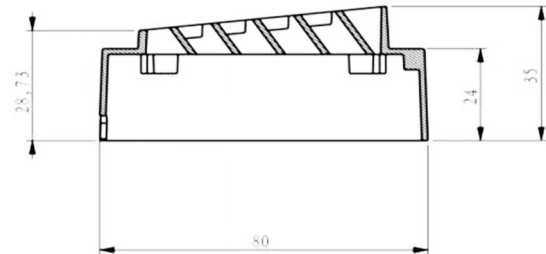
ADDITIONAL COMPONENTS

- Bracket: Each light includes one bracket, measuring approximately 2.91*0.53 inches.
- Screws: Comes with two stainless steel screws per light, size 8#-32*0.87 inches.
- Wire Caps: Two wire caps per light, approximately 0.55*0.98 inches.
- Expansion Screws: Each light is equipped with two expansion screws.

LED AND OPTICAL PERFORMANCE

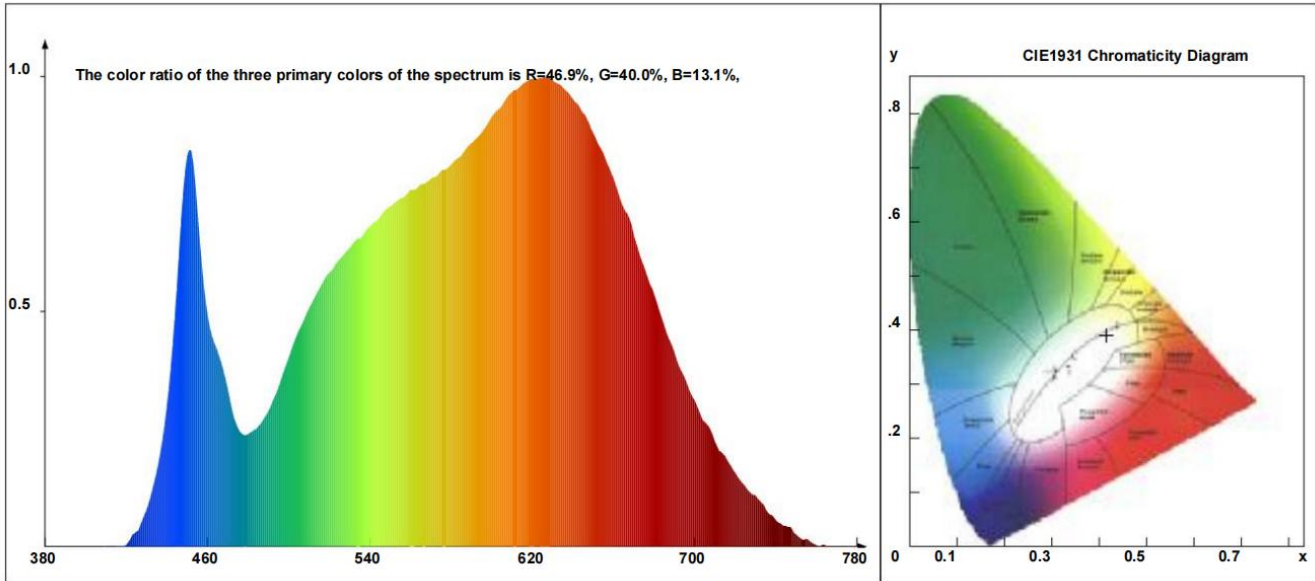
- Power & Current: The LEDs have a rated power of 3W and operate at 0.34mA, providing a luminous flux between 80 to 100 lumens.
- LED Specs: Features 6 SMD LEDs per unit, sized 3030, with a high color rendering index (CRI) of 90 for accurate color representation.

PRODUCT DIAGRAM



Size in mm
 1" = 25.4mm.

PHOTOMETRICS



Colorimetric parameters

Chromaticity coordinates: $x=0.4153$ $y=0.3903$ $u=0.2424$ $v=0.3417$ $duv=-0.0022$

Correlated color temperature: 3286K Dominant wavelength : 582.6nm Color purity :

41.8% Luminous flux Color ratio: R=22.8%, G=75.2%, B=2.0% Peak wavelength: 626.7nm and a half Width :173.0nm

Color rendering index: Ra= 92.4

R1 =93	R2 =94	R3 =93	R4 =96	R5 =94	R6 =91	R7 =91	R8 =86
R9 =71	R10=86	R11=95	R12=74	R13=93	R14=95	R15=91	

Dual-Purpose Step and Deck Lights

Slim and safe, dual-purpose low-voltage lighting for steps and decks.



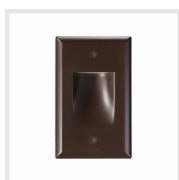
Tende Orizzontali Step & Deck Light



Retro Baffle Step & Deck Light

277V Compatible Commercial Step Lighting

Seamlessly integrates with commercial voltages.



ZincTech Commercial Upright Gradience Step & Deck Light



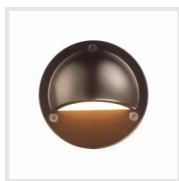
ZincTech Commercial Parallel Gradience Step & Deck Light



ZincTech Commercial Louvered Step & Deck Light

Classic Glow Series

Retro design meets modern lighting.



Semisfera Deck & Rail Light



Quadrifoglio Deck & Rail Light



Pro Parallel Retro Louvered Step & Deck Light

Modern Elegance Series

Blending utility with modern aesthetics.



Affusolato Deck & Rail Light



Nova Deck & Rail Light



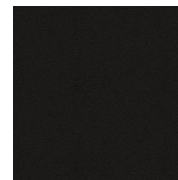
Vertebre Deck & Rail Light

All Color Options

some models may have limited choices.



Satin Nickel



Matte Black



Oiled Rubbed Bronze

Compatible Accessories



Outdoor Transformer, AC to DC, 12V 60W, Timer & Photocell



Outdoor Transformer, AC to DC, 12V 100W, Timer & Photocell



Outdoor Transformer, AC to DC, 12V 120W, Timer & Photocell



Waterproof Wire Nuts - Large (For terminals/multiple connections, fits 12AWG - 22AWG, up to 8 wires of 16/2)



Waterproof Wire Nuts - Medium (Fits 14AWG - 22AWG, up to 3 wires of 16/2)



Low Voltage Landscape Lighting Cable, 16/2

Note: Also available in 10/2, 12/2, 14/2 sizes.



Landscape Light Wire Connector (14-16 AWG Compatible)



EasyConnect Wire Connector (14-16 AWG Compatible)