

### WARRANTY & RATING



### SPECIFICATIONS

- Wattage: 3W
- Voltage: 120V AC
- Luminous Flux: 150lm
- Beam Angle: 30°
- Color Rendering Index (CRI): 90+
- Lifespan: 30,000 hours
- Light Source: LED
- Color Temperature (CCT): 3000K warm white
- Waterproof Rating: IP65
- Operating Temperature: -4°F to 104°F
- Material: Aluminum

### PRODUCT DESCRIPTION

LEONLITE's 120V LED Step Lights blend classic design with modern technology. Featuring a louvered faceplate for glare reduction, these dimmable lights are ideal for both indoor and outdoor staircases, enhancing safety and ambiance with a warm, consistent glow.

### FEATURES & BENEFITS

- Classic Louvered Design: Minimizes glare, ideal for aesthetic and safe lighting.
- 120V Direct Line Voltage: Eliminates the need for a transformer, simplifying setup.
- Flexible Dimming: 10% to 100% adjustability, offering customized lighting levels.
- Suitable for All Weathers: IP65 waterproof rating, perfect for indoor and outdoor use.
- Broad Illumination, True Colors: Covers a wide area with high CRI90 for vivid color display.

### POWER AND ELECTRICAL FEATURES

- Certification: The product is ETL certified, operating at AC 120V and 0.025A, ensuring safety and efficiency.
- Wiring and Plug: Features UL-certified 18AWG tinned copper wire for durability and safety. Medium waterproof connectors are used for reliable and safe connections.

### DESIGN AND STRUCTURE

- Design: Features a classic, retro louvered window design with anti-glare effects. The embedded louvered window panel design prevents accidental scraping of passersby.
- Environment Suitability: Ideal for both indoor and outdoor use. Recommended for installation in areas like stair steps and wall surfaces where direct hand contact is uncommon. Outdoor wiring requires consideration for waterproofing and aging resistance.

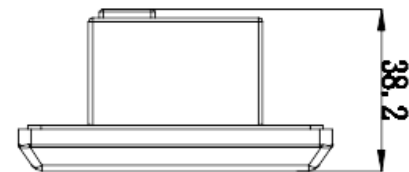
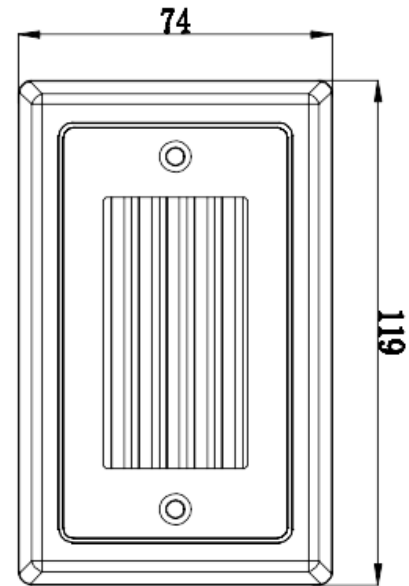
### ADDITIONAL COMPONENTS

- Screws: Includes 2 stainless steel screws, ensuring a sturdy installation.
- Wire Caps: Comes with 3 waterproof caps, enhancing the waterproofing of electrical connections.
- Plastic Plugs: Equipped with 2 plastic plugs for refined installation and protection.

### LED AND OPTICAL PERFORMANCE

- Dimming Capability: Supports TRIAC dimming with a range of 10-100%. Compatible with various dimmer models including Leviton models 6161-A, IPL06-10Z, IPIO-1LZ, IPI06-1LZ, 6674, 6633-POG, 6681, 6151, 6633-I and Lutron models MACL-153MR-WH, MACL-153P, TGCL-153P, SCL-153PR-WH, SCL-153-LA, DVCL-153P, CTCL-153P, LGCL-153P, N-600, S-603PG-WH, CTELV-303P-WH, among others.
- The light features 15 PCS of 2835 size SMD LEDs with a high color rendering index (CRI) of 90, ensuring vivid and natural light quality.

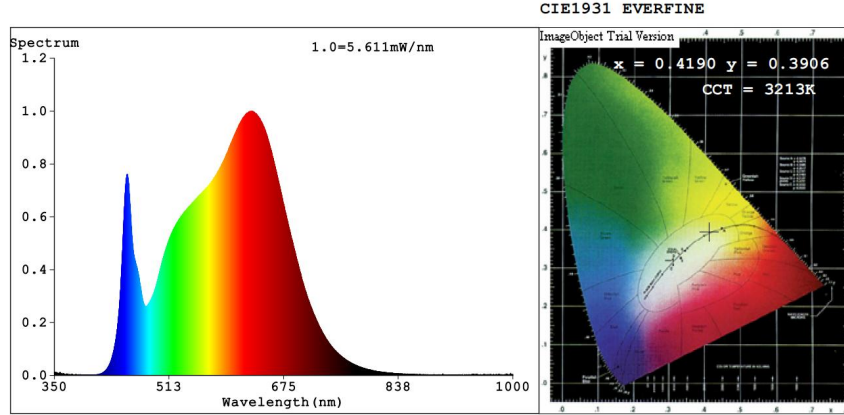
### PRODUCT DIAGRAM



Size in mm  
1" = 25.4mm.

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**PHOTOMETRICS**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4190$   $y=0.3906/u'=0.2447$   $v'=0.5133$   
 CCT=3213K (Duv=-0.0028) Dominant WL:Ld =583.1nm Purity=43.0%  
 Ratio:R=23.8% G=72.9% B=3.3% Peak WL:Lp=630.2nm FWHM=177.3nm  
 Render Index:Ra=97.0 CRI=95.1 AvgR=95.3  
 R1 =99 R2 =99 R3 =97 R4 =98 R5 =98 R6 =96 R7 =96  
 R8 =94 R9 =86 R10=96 R11=97 R12=80 R13=99 R14=97 R15=98

**Photo Parameters:**

Flux = 284.7 lm Eff. : 66.48 lm/W Fe = 1.042 W

**Electrical parameters:**

V = 120.61 V I = 0.03685 A P = 4.282 W PF = 0.9636  
 LEVEL:OUT WHITE:ANSI\_3000K

Status: Integral T = 73 ms Ip = 43412 (66%)

## 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

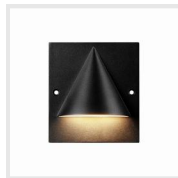
Blending utility with modern aesthetics.



Affusolato Deck & Rail Light



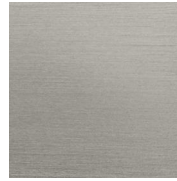
Nova Deck & Rail Light



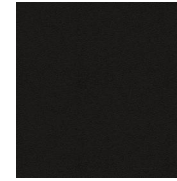
Vertebre Deck & Rail Light

## 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)