



### WARRANTY & RATING



### SPECIFICATIONS

- Wattage: 4.5W
- Voltage: AC 120-277V
- Luminous Flux: 300lm
- Beam Angle: 30°
- Color Rendering Index (CRI): >90
- Lifespan: 30,000hrs
- Light Source: LED
- Color Temperature (CCT): 2700K / 3000K / 4000K selectable
- Waterproof Rating: IP65
- Operating Temperature: -4°F-104°F
- Material: Zinc Alloy

### PRODUCT DESCRIPTION

LEONLITE's 120V-277V LED Step Lights are ideal for professional environments, with durable, corrosion-resistant zinc alloy and glare-free louvers. Offering high CRI of 90 and three selectable temperatures, these dimmable lights suit various indoor and outdoor spaces.

### FEATURES & BENEFITS

- Professional-Grade High Voltage: 120V-277V adaptability for diverse commercial settings.
- Durable Zinc Alloy Construction: Ideal for corrosive coastal environments, wear-resistant.
- Dimmable with Anti-Glare Design: Customizable brightness, comfortable downward lighting for steps and walls.
- Three Selectable Color Temperatures: 2700K/3000K/4000K options for varied ambiance settings.
- High CRI for True Color: CRI90 for vivid, natural color rendering in both residential and commercial use.

### POWER AND ELECTRICAL FEATURES

- ETL certified for safety and efficiency, this lighting product operates at 4.5W power, replacing 30W incandescent bulbs, with a voltage range of AC 120V-277V and a current of 0.035A at AC120V.
- Wiring and Plug: Features UL certified 18AWG UL1015 tinned copper wire and P3 spiral wire caps for secure connections.

### DESIGN AND STRUCTURE

- Material and Finish: Constructed from zinc alloy, suitable for corrosive coastal environments. Offers a robust, smooth, wear-resistant finish in Oil Rubbed Bronze and Satin Nickel options.
- Voltage Compatibility: Designed to seamlessly integrate with 277V commercial voltages, making it suitable for indoor and outdoor commercial spaces, especially for low steps and walls.
- Blind Design: Features a louvered design to prevent glare. The embedded louvers add an extra layer of safety by preventing accidental scrapes to passersby.

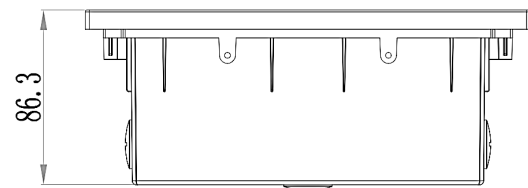
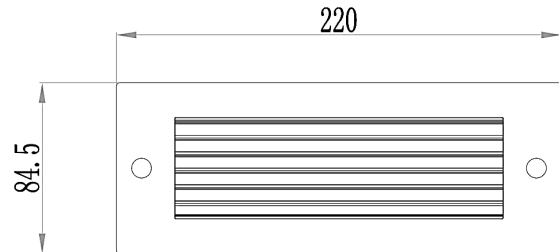
### ADDITIONAL COMPONENTS

- Screws: Includes 4 stainless steel KA430 self-tapping screws and 2 stainless steel PA416 self-tapping screws.
- Wire Caps and Fixings: Comes with 3 wire caps, 4 expansion screws, and 2 plastic plugs for a complete installation kit.

### LED AND OPTICAL PERFORMANCE

- Dimming Capability: Supports triac dimming at 120V with a range of 10-100%. Compatible with a wide array of dimmer models including LEVITON (6161-A, IPL06-10Z, IPIO-1LZ, IPIO6-1LZ, 6674, 6633-POG, 6681, 6151, 6633-I) and LUTRON (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).
- LED Specs: Equipped with 48 (24\*2pcs) SMD 2835 LEDs. Each LED has a power rating of 0.2W, a working current of 0.035A, and an efficiency of 66LM/W, with a CRI of  $\geq 90$  for high-quality light output.

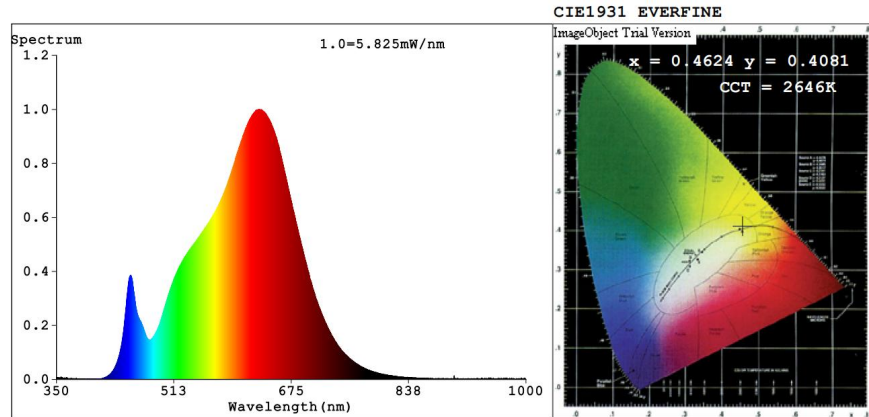
### PRODUCT DIAGRAM



Size in mm  
1" = 25.4mm.

Size in mm  
1" = 25.4mm.

**PHOTOMETRICS (2700K)**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4624$   $y=0.4081/u'=0.2652$   $v'=0.5268$   
 CCT=2646K (Duv=-0.0011) Dominant WL:Ld =584.8nm Purity=61.3%  
 Ratio:R=27.3% G=70.5% B=2.2% Peak WL:Lp=630.2nm FWHM=149.2nm  
 Render Index:Ra=95.5 CRI=93.4 AvgR=93.4  
 R1 =97 R2 =98 R3 =97 R4 =96 R5 =96 R6 =97 R7 =95  
 R8 =89 R9 =75 R10=93 R11=97 R12=85 R13=97 R14=97 R15=94

**Photo Parameters:**

Flux = 253.9 lm Eff. : 57.57 lm/W Fe = 952.8 mW

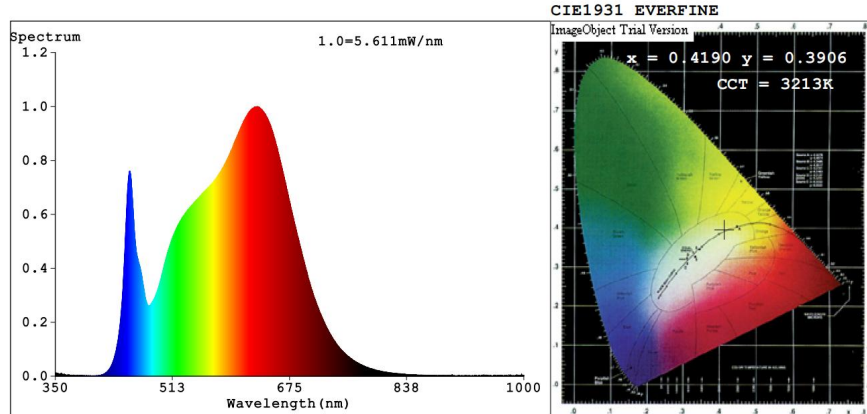
**Electrical parameters:**

V = 120.64 V I = 0.03784 A P = 4.410 W PF = 0.9661

LEVEL:OUT WHITE:ANSI\_2700K

Status: Integral T = 73 ms Ip = 44626 (68%)

**PHOTOMETRICS (3000K)**



**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:**

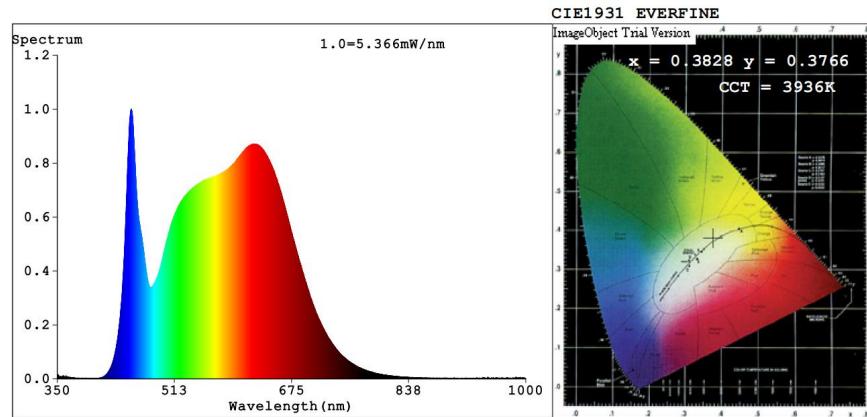
Flux = 284.7 lm Eff. : 66.48 lm/W Fe = 1.042 W

**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%)

**PHOTOMETRICS (4000K)**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3828$   $y=0.3766/u'=0.2267$   $v'=0.5019$   
 CCT=3936K (Duv=-0.0007) Dominant WL:Ld =579.7nm Purity=27.9%  
 Ratio:R=20.4% G=75.5% B=4.1% Peak WL:Lp=452.7nm FWHM=25.1nm  
 Render Index:Ra=95.8 CRI=93.2 AvgR=93.3  
 R1 =97 R2 =97 R3 =96 R4 =96 R5 =95 R6 =94 R7 =97  
 R8 =93 R9 =83 R10=92 R11=96 R12=73 R13=97 R14=97 R15=96

**Photo Parameters:**

Flux = 281.7 lm Eff. : 64.07 lm/W Fe = 1.001 W

**Electrical parameters:**

V = 120.67 V I = 0.03771 A P = 4.397 W PF = 0.9663

LEVEL:OUT WHITE:ANSI\_4000K

Status: Integral T = 73 ms Ip = 37236 (57%)

## Dual-Purpose Step and Deck Lights

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



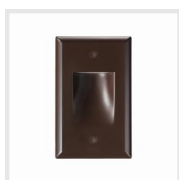
Tende Orizzontali Step & Deck Light



Retro Baffle Step & Deck Light

## 277V Compatible Commercial Step Lighting

Seamlessly integrates with commercial voltages.



ZincTech Commercial Upright Gradience Step & Deck Light



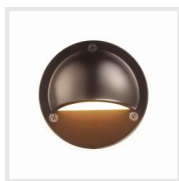
ZincTech Commercial Parallel Gradience Step & Deck Light



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



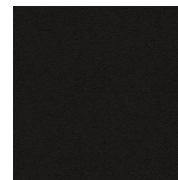
Vertebre Deck & Rail Light

## 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)