WARRANTY & RATING

SPECIFICATIONS

- Wattage: 4W
- Voltage: 12-24V AC/DC
- Luminous Flux: 164lm
- Beam Angle: 45°
- Color Rendering Index (CRI): 90
- Lifespan: 40,000 hours
- Light Source: LED
- Color Temperature (CCT): 3000K / 4000K / 5000K (Adjustable)
- Waterproof Rating: Wet location
- Operating Temperature: -4°F to 104°F (-20°C to 40°C)
- Material: Die-cast Aluminum + Plastic + Glass

PRODUCT DESCRIPTION

LEONLITE's LED Landscape Spotlight features a 45° beam angle, perfect for wall washing, highlighting, and silhouette lighting. It offers three color temperatures for tailored lighting needs and a 180° rotation for flexible positioning. The minimalist design, high CRI90+ for true color accuracy, and anti-glare shield make it both user-friendly and visually comfortable.

FEATURES & BENEFITS

- 45° Versatile Beam: Ideal for wall washing, highlighting, texture grazing.
- Adjustable Color: 3 color temperatures available for customized lighting.
- Flexible Positioning: 180° rotation for optimal light direction.
- Minimalist Design: Easy to install and clean.
- Safety First: 12V low voltage, ETL & FCC listed, child and pet friendly.
- Bright & Natural Light: Glare-free illumination, high CRI90+ for true color rendering.

POWER AND ELECTRICAL FEATURES

- The product is ETL and FCC certified, operates on a voltage of 12-24V AC/DC, and has a power output of 4W. It produces a luminous flux of 164 lumens, equivalent to an 18W 3000K incandescent bulb.
- The wires and plugs are UL certified and constructed from purple copper. They feature connections using waterproof P4 terminal connectors. The total length of the power cord is approximately 5.9 feet, with an exposed length of about 4.92 feet.

DESIGN AND STRUCTURE

- Constructed from die-cast aluminum, plastic, and glass, this light is designed for both versatility and ease, embodying a classic minimalist style. It is also straightforward to install and clean.
- Features a 45° beam angle, making it suitable for a variety of applications such as wall washing, highlighting, texture grazing, shadow projection, and silhouette lighting. The light has a 180° rotation capability, offering high cost-performance and versatility.
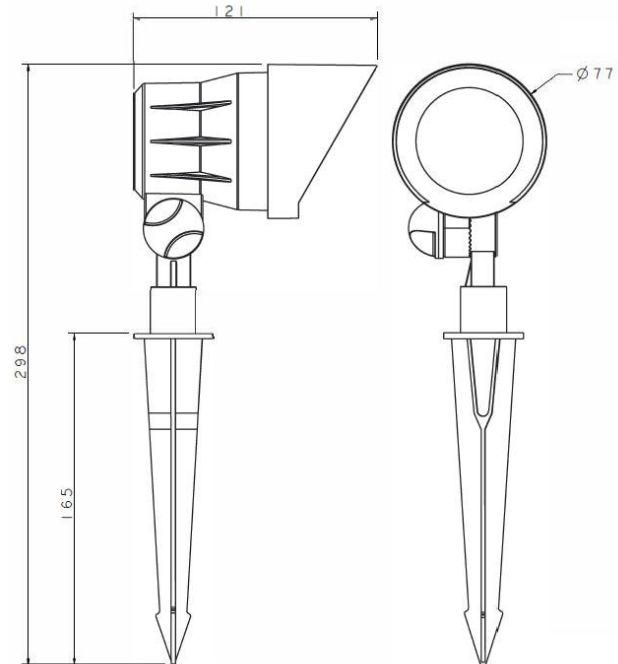
ADDITIONAL COMPONENTS

- Includes 2 waterproof wire caps per light.

LED AND OPTICAL PERFORMANCE

- The light contains 18 SMD 2835 LED beads, with a rated/design working power of 3.5W and operating current of 400mA. It offers an efficiency of 120-150 lumens/W and a high color rendering index (CRI) of 90.
- Factory-set to 100% brightness at 3000K; the color temperature button adjusts sequentially through 3000K, 4000K, to 5000K, with a memory function that recalls the last setting upon powering on.
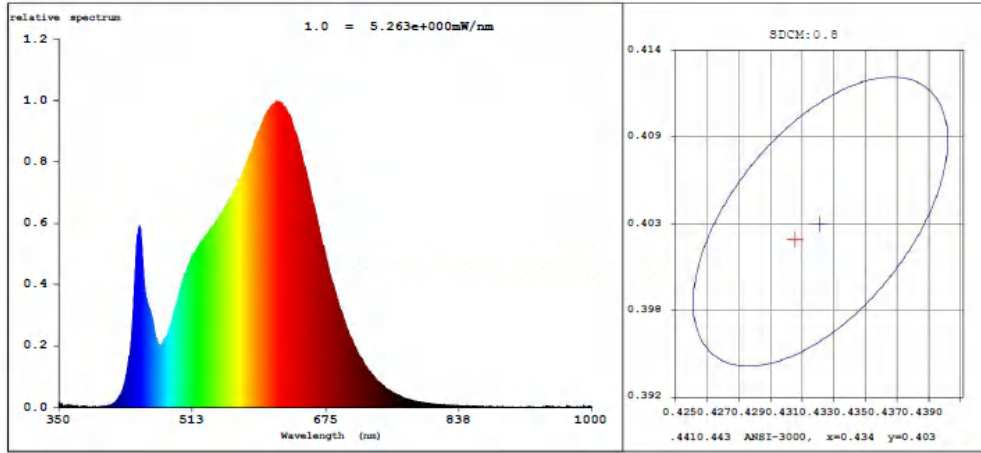
PRODUCT DIAGRAM

121

Ø77

298

165

Size in mm
1" = 25.4mm.

PHOTOMETRICS（3000K）

Light source spectrum test report

relative spectrum
1.0 = 5.263e+000mW/nm

SDCM:0.8

ANSI-3000, x=0.434 y=0.403

Color parameters

Chromaticity coordinates: x=0.4324 y=0.4023/u'=0.2484 v'=0.5200
CCT=3064K (color difference Duv=-0.0001)   Dominant wavelength:λd=582.6nm
Color purity:Purity=50.5%   Peak wavelength:λp=615.8nm
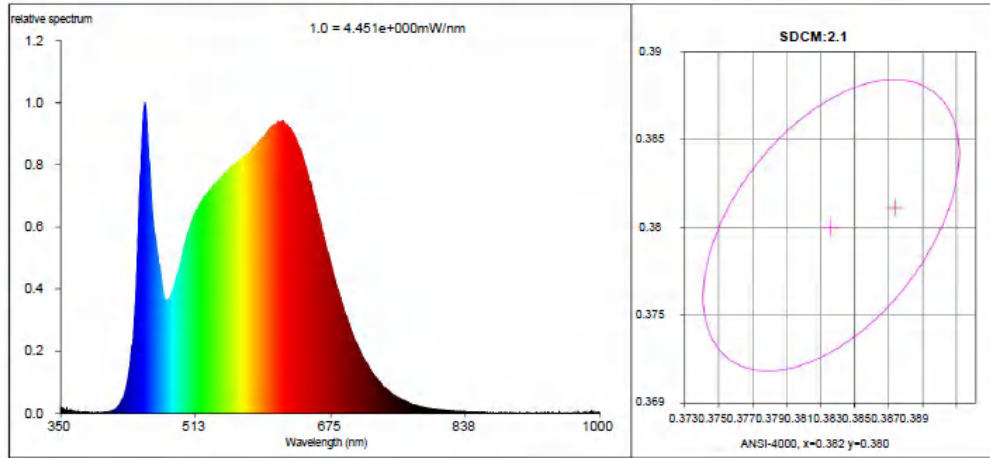Half-peak bandwidth:FWHM=160.9nm   Color rendering index:Ra=92.0

R1 =92	R2=96	R3 =98	R4 =93	R5=92	R6=95	R7=91	
R8 =79	R9=52	R10=8	R11=94	R12=83	R13=93	R14=99	R15=87

Photometric & Radiometric Parameters

Luminous flux Φ=265.2 lm   light efficiency: 65.091m/W   Radiant flux Φe=891.2 mW

PHOTOMETRICS（4000K）

Light source spectrum test report

relative spectrum
1.0 = 4.451e+000mW/nm

SDCM:2.1

ANSI-4000, x=0.382 y=0.380

Color parameters

Chromaticity coordinates: x=0.3856 y=0.3810/u'=0.2268 v'=0.5042
CCT=3895K (color difference Duv=0.0005)   Dominant wavelength: λd=579.2nm
Color purity: Purity=30.1%   Peak wavelength: λp=451.4nm
Half-peak bandwidth:FWHM=25.5nm   Color rendering index: Ra=93.5

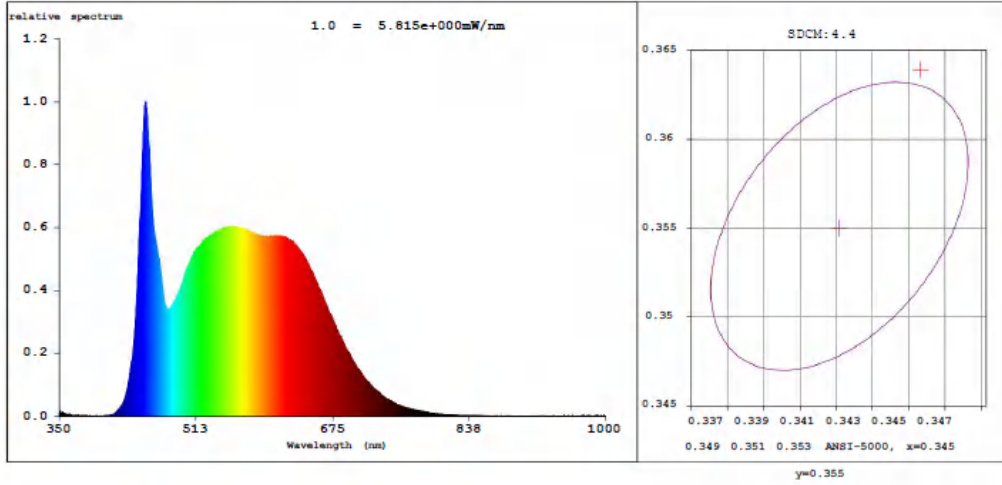| R1 =94 | R2=96 | R3 =97 | R4 =94 | R5=93 | R6=94 | R7=94 |
| R8 =86 | R9=65 | R10=9 | R11=94 | R12=73 | R13=95 | R14=98 | R15=91 |

Photometric & Radiometric Parameters

Luminous flux Φ=251.3 lm   light efficiency:61.72lm/W   Radiant flux Φe=851.2 mW

LeonLite®

PHOTOMETRICS（5000K）

Light source spectrum test report

Color parameters

Chromaticity coordinates: x=0.3492 y=0.3638/u'=0.2095 v'=0.4911

CCT=4893K (color difference Duv=0.0044) Dominant wavelength: λd=570.4nm

Color purity: Purity=14.0% Peak wavelength: λp=453.0nm Half-peak bandwidth: FWHM=24.3nm

Color rendering index: Ra=91.9

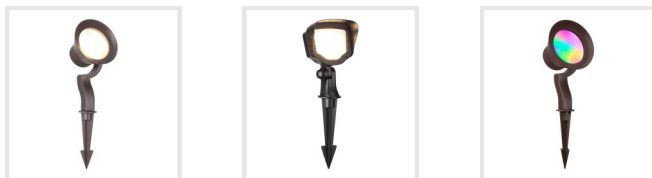|						
R1 =92	R2=95	R3 =97	R4 =90	R5=90	R6=91	R7=95
R8 =87	R9=65	R10=8	R11=90	R12=64	R13=93	R14=98 R15=89

Photometric & Radiometric Parameters

Luminous flux Φ=238.3 lm light efficiency: 58.69 lm/W Radiant flux Φe=814.0 mW

Commercial-Style Wide-Angle Flood Lights
Designed to illuminate extensive outdoor spaces with a clear, widespread glow.
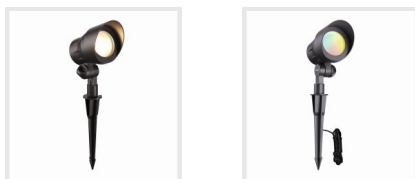

Beam angle: 65°   Beam angle: 75°   Beam angle: 65°

Versatile Mid-Angle Outdoor Flood Lights
wall washing, highlighting, texture grazing, shadow casting, and silhouette lighting.
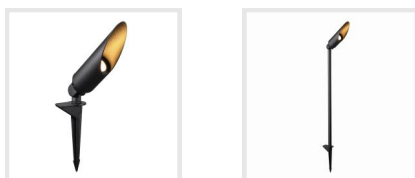

Beam angle: 48°   Beam angle: 48°

Narrow-Beam Focus Spot Lights
Perfect for accentuating specific features, whether it's building decor or garden highlights.

Beam angle: 15°   Beam angle: 15°

277V High-Luminosity Commercial Lights
Engineered for extraordinary brightness in commercial applications.

Beam angle: 35°   Beam angle: 120°

Fountain & Pond Underwater Lights
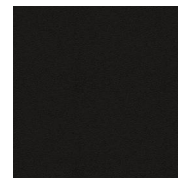Designed to accentuate water flows and illuminate fish, without harming the ecosystem.

Beam angle: 15°

All Color Options
some models may have limited choices.

Stainless Steel   Matte Black   Oiled Rubbed Bronze

Compatible Accessories

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