



WARRANTY & RATING



SPECIFICATIONS

- Wattage: 24W/19W/14W
- Voltage: 120-277V
- Luminous Flux: 3000lm at 24W, 2300lm at 19W, 1750lm at 14W
- Beam Angle: 120 degrees
- Color Rendering Index (CRI): 70+
- Lifespan: 50,000 Hours
- Light Source: LED
- Color Temperature (CCT): 3000/4000/5000K - 3CCT adjustable
- Waterproof Rating: IP65
- Operating Temperature: -40°C to +45°C (-40°F to +113°F)
- Material: Die-cast aluminum , PC

PRODUCT DESCRIPTION

Commercial-Grade High-Voltage Outdoor Hardwired Path Light, designed with a larger size suitable for parks or commercial outdoor settings, features a downward lighting design that minimizes glare and effectively illuminates pathways and lawns, reducing light pollution to protect night skies and local wildlife.

FEATURES & BENEFITS

- Certified by UL, FCC, and DLC, ensuring safety, efficiency, and compliance
- Compatible with 277V U.S. commercial voltage
- 3CCT adjustable, one product fits multiple project needs
- Features adjustable wattage and 0-10V dimming capabilities to meet diverse project needs.

POWER AND ELECTRICAL FEATURES

- The product is UL, FCC certified for safety and DLC certified for energy efficiency. It accommodates a voltage range of 120-277V AC and operates at 0.27A. With a three-tier power setting of 24W, 19W, and 14W, it delivers luminosity of 3000lm, 2300lm, and 1750lm respectively, with the 24W setting equivalent to a 100W incandescent light.
- The fixture's wires are made of tin-coated copper with standard color coding: black, white, and green for power, purple and pink for 0-10V dimming. The wire specification is SJTW 18AWG 5C, with an outer diameter of 9.4mm and a length of 3.94 feet.
- Its power solution is non-isolated with a power factor greater than 0.9, ensuring efficient energy use.

DESIGN AND STRUCTURE

- Constructed from die-cast aluminum with a brown finish and outfitted with a polycarbonate lens.
- The fixture is engineered with a larger scale than standard path lights to ensure harmony and a natural presence in open commercial landscapes.

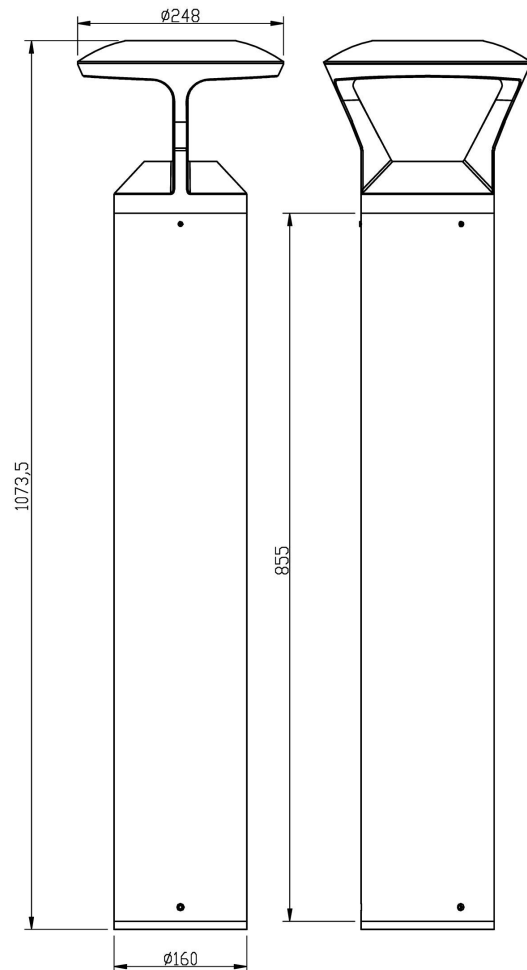
ADDITIONAL COMPONENTS

- L-Shaped Bolts: M10, galvanized iron.
- Hex Wrench: 52×19mm, nickel-plated.
- Nuts: M10×8mm, stainless steel.
- Flat Washers: Ø10.5×2mm, stainless steel.
- Spring Washers: Ø10.5×2.6mm, stainless steel.
- Triangular Bracket: 112.6×101×3mm, polycarbonate.

LED AND OPTICAL PERFORMANCE

- Offers 0-10V dimming control allowing brightness adjustments from 10% to 100%.
- The fixture uses SMD type LEDs, model 2835, with a total of 168 pieces. It provides three color temperature settings: 3000K, 4000K, and 5000K, with a color rendering index (CRI) of at least 70. Light efficacy ranges from 155 to 160 lumens per watt at 3000K and 160 to 165 lumens per watt at 5000K.

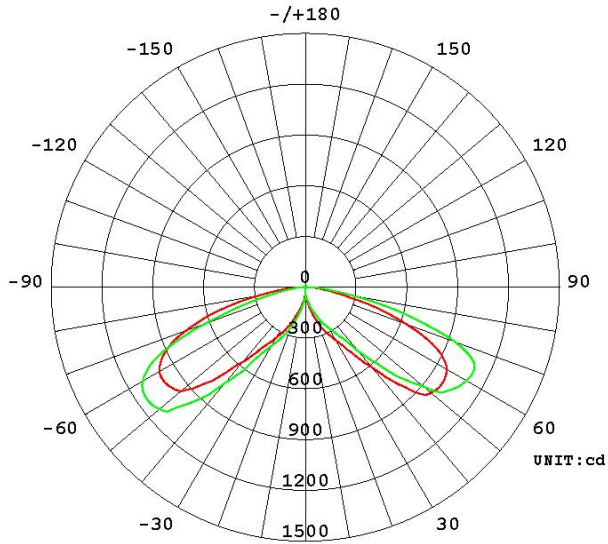
PRODUCT DIAGRAM



Size in mm
1" = 25.4mm.

PHOTOMETRICS

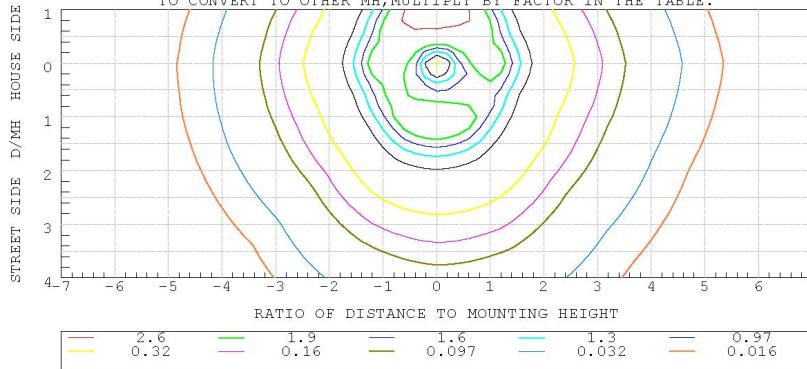
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE (10%): 338.4 DEG

- C0/180,342.3 Ic=15.57
- C90/270,334.5 Ic=32.01

ROAD SURFACE ISOLUX DIAGRAM
ILLUMINANCE AT MH=10 m, Enadir = 0.24 lx
TO CONVERT TO OTHER MH, MULTIPLY BY FACTOR IN THE TABLE.



| HEIGHT | FACTOR |
|--------|--------|
| 5 m | 4.000 |
| 6 m | 2.778 |
| 7 m | 2.041 |
| 8 m | 1.563 |
| 9 m | 1.235 |
| 10 m | 1.000 |
| 11 m | 0.826 |
| 12 m | 0.694 |
| 13 m | 0.592 |
| 14 m | 0.510 |
| 15 m | 0.444 |
| 16 m | 0.391 |