



The FEILONG LED area / site luminaire delivers exceptional performance in a scalable, low-profile design. The precision engineered optics provide uniform illumination to garden, walkways, parking lots, roadways, building areas and security lighting applications.

## LED Info

Watts:	20W
LED Quantity:	164Pcs
Efficacy:	150 LPW
Lumens:	3000lm
Battery:	LiFePO4 (154WH)
Solar conversion rate:	21.1%
Solar panels:	Mono-crystalline
Suggesting high installation:	3-4M
Color Temp:	3000K-6500K
Color Accuracy:	>70
L70 Lifespan:	100000

**Material Frosted Die-cast Aluminum**  
 Aluminum paint lamp body, waterproof and dustproof outdoor, durable.



## Technical Specifications

### Listings

#### CE Certificate:

EN IEC 55015:2019+A11:2020, EN 16547:2009  
 EN 61000-4-2:2009, EN IEC 61000-4-3:2020

#### ROHS Certificate:

EN 62321-5:2014  
 EN 62321-4:2014/A1:2017  
 EN 62321-1:2013

#### IESNA LM-79 & IESNA LM-80

#### Testing:

FEILONG LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and 80.

#### Working Time:

Up to 12 Hrs if fully charged, Alternate working modes and working times, ranges from 5 - 7 nights.

#### Charging Time :

Requires 6 hours of direct sunlight at optimal angle. Optimal direction is magnetic south and the optimal angle equals the latitude of the installation. Performance is reduced if product is installed different than the optimal angle.

### LED Characteristics

#### Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

#### LEDs:

Long-life, high-efficiency surface mounting LEDs (SANAN 3030).

#### Color Stability:

LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.

#### Color Uniformity:

FEILONG's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

### Construction

#### IES Classification:

Can choose 120° distribution is meant for lighting large areas, located by the roadside. Typically found on wide walkways, on ramps, entrance roadways and bike paths.

#### Effective Projected Area:

EPA = 0.8

#### Vibration Rating:

Industry-leading 3G vibration rating per ANSI C136.31

#### Cold Weather Starting:

Minimum starting temperature is -30°C

#### Ambient Temperature:

Suitable for use in 50°C ambient temperatures.

#### Housing:

Precision die-cast aluminum housing.

#### Mounting:

Mounts to all round poles if optional Universal Pole Adaptor is used.

#### Lens:

Clear Polycarbonate lens with integrated optics.

#### IP Rating:

Ingress Protection rating of IP66 for dust and water.

#### Gaskets:

High temperature silicone gaskets.

#### Finish:

Formulated for high-durability and long lasting color.

#### Green Technology:

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

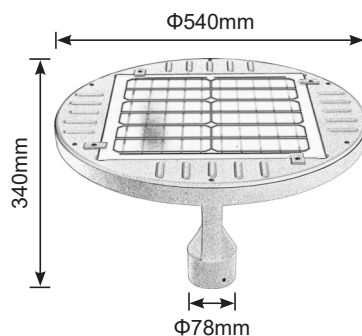
### Other

#### 3 Yr Limited Warranty:

Fixture operation and paint finish are covered for a period of 3 years.

## Dimensions

unit:mm



**Product Size:**  $\Phi 540 \times H340\text{mm}$

**Package Size:** 57 X 19 X 57cm

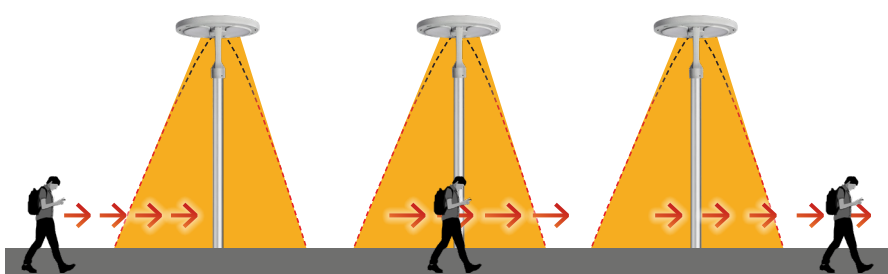
## Induction mode

3 kinds of induction



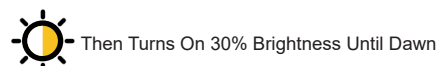
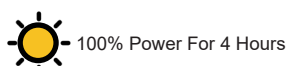
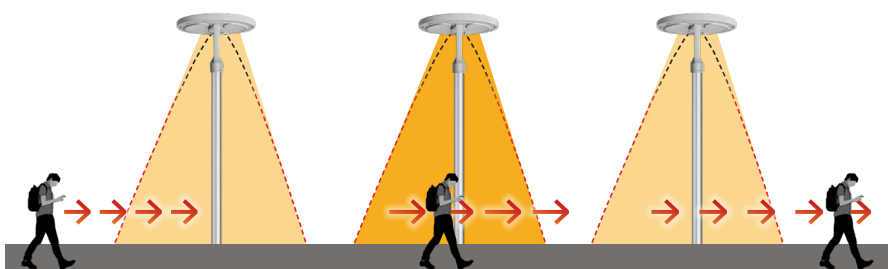
### Constant Lighting Mode

Automatically operates at 50% brightness from dusk to dawn or until power is off.



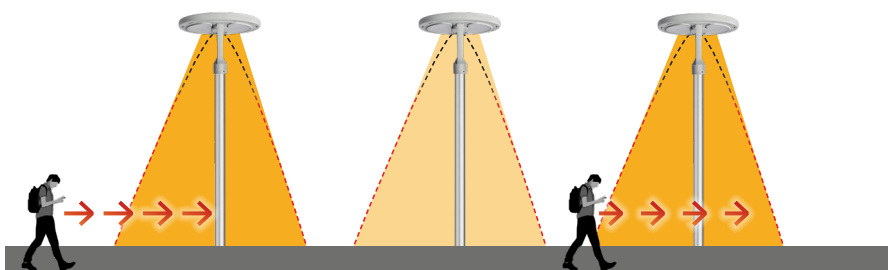
### Sensor Mode

Automatically operates at 30% brightness. When motion is detected, light increases to 100% until no motion is detected for 30 seconds, then returns to 30% brightness. Detection up to 20-30 Meters.



### Customized Working Mode

Automatically turns on at dusk and remains at up to 100% brightness for 4 hours, then it automatically turns to 30% brightness until dawn.



## Learn More

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