



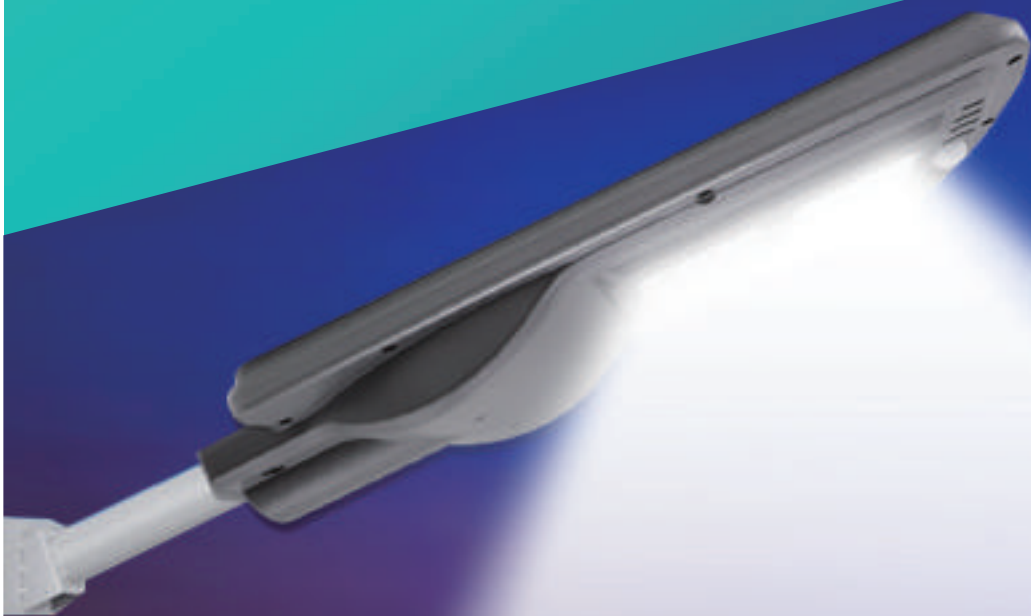
ELECTRONIC &  
SIGNAL TRAFFIC

OUTDOOR LIGHTING

# LED SMART STREET LIGHT

WATERPROOF IP65 RATING

S P E C I F I C A T I O N  
S H E E T





ELECTRONIC &  
SIGNAL TRAFFIC

ILUMINACIÓN DE EXTERIOR

# LUMINARIA DE ALUMBRADO LED INTELIGENTE

Resistente al agua ip65

E S P E C I F I C A C I O N E S  
T E C N I C A S





## Features

Flexible performance: light-operated + Human induction

Intelligent: In daylight will automatic turn off. In dark night, when nobody will with weak light, when someone approaching will with strong light, wiring free, zero electric charge.

Usage: Campus, city square, Garden, Road, village etc.

Waterproof IP65 Rating.

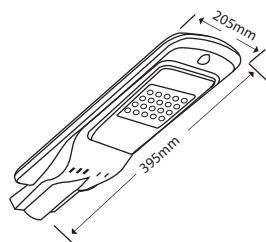
## Applications



## Detailed description

- 1.Imported LED Chip, energy conservation and environment protection, High Color Rendering Index, low energy-consumption, Zero pollution, Long lifetime.
- 2.Poly-crystalline solar panel, Improve battery charging efficiency, Can be exposed and in the rain for a long time but will not be yellow.
- 3.Use Road photoelectric PC Lens Design, meet pavement irradiation requirements
- 4.Use Anti UV ABS+PC Shell, waterproof, anti-corrosion, effective heat radiation, longer lifetime
- 5.Radar induction, light-operated, after nightfall the light turn on with weak light, when people approaching it turn to brighter for 15 seconds, in daytime the light automatic turn off.

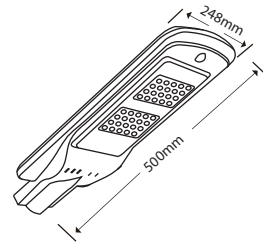
## Product Dimension



### 20 Leds

MODEL LA-AITANA-20

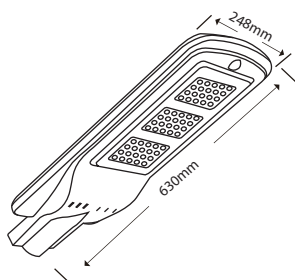
| Color         | Color Temp |
|---------------|------------|
| Cold White    | 6500K      |
| Natural white | 4000K      |
| Warm white    | 3000K      |



### 40 Leds

MODEL LA-AITANA-40

| Color         | Color Temp |
|---------------|------------|
| Cold White    | 6500K      |
| Natural white | 4000K      |
| Warm white    | 3000K      |

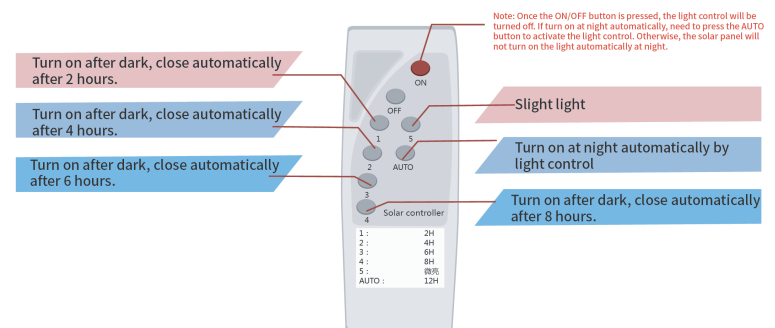


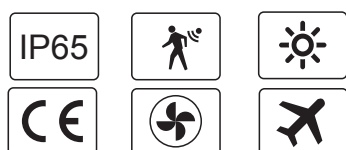
### 60 Leds

MODEL LA-AITANA-60

| Color         | Color Temp |
|---------------|------------|
| Cold White    | 6500K      |
| Natural white | 4000K      |
| Warm white    | 3000K      |

## Remote control instructions





## Ventajas

Funcionamiento flexible: operado por control remoto ó inducción.

- \*Durante el día apagado automático.
- \*Durante la noche encendido automático.
- \*Detección de movimiento por inducción.
- \*Dimerización automática.
- \*Programación de horas de uso por control remoto.
- \*Lampara autonoma.

Usos: Campo, ciudad, jardines, carreteras, condominios, etc.

Resistente al agua IP65

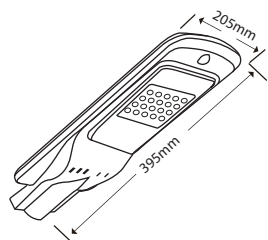
## Aplicaciones



## Descripción detallada

- 1.LED Importado conservación de energía, protección del medio ambiente, alto rango de color, bajo consumo de energía, cero polución y tiempo de vida útil prolongado.
- 2.Panel solar poli cristalino, batería de litio de alta eficiencia, puede ser expuesta a la lluvia y el sol durante tiempo prolongado y el panel no se decolora.
- 3.Lente Optico poli cristalino resistente al medio ambiente.
- 4.Protección UV material ABS+PC, Sumergible, anti-corrosion, resistente al calor, tiempo de vida útil prolongado
- 5.El radar de inducción funciona por medio de micro ondas cuando la luminaria esta encendida registra cualquier movimiento a 160 m a la redonda, si no detecta movimiento dimeriza a los 15 segundos al 50%.

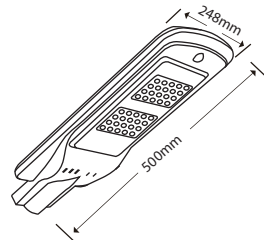
## Dimensiones



### 20 Leds

MODEL LA-AITANA-20

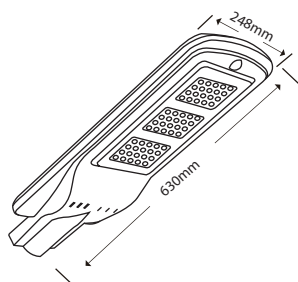
| Color         | Color Temp |
|---------------|------------|
| Cold White    | 6500K      |
| Natural white | 4000K      |
| Warm white    | 3000K      |



### 40 Leds

MODEL LA-AITANA-40

| Color         | Color Temp |
|---------------|------------|
| Cold White    | 6500K      |
| Natural white | 4000K      |
| Warm white    | 3000K      |

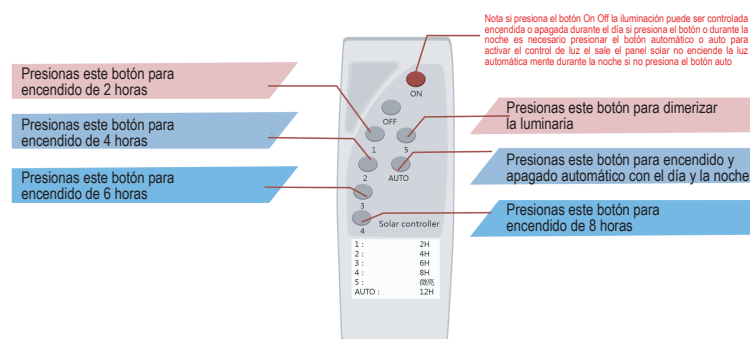


### 60 Leds

MODEL LA-AITANA-60

| Color         | Color Temp |
|---------------|------------|
| Cold White    | 6500K      |
| Natural white | 4000K      |
| Warm white    | 3000K      |

## Instrucciones del control







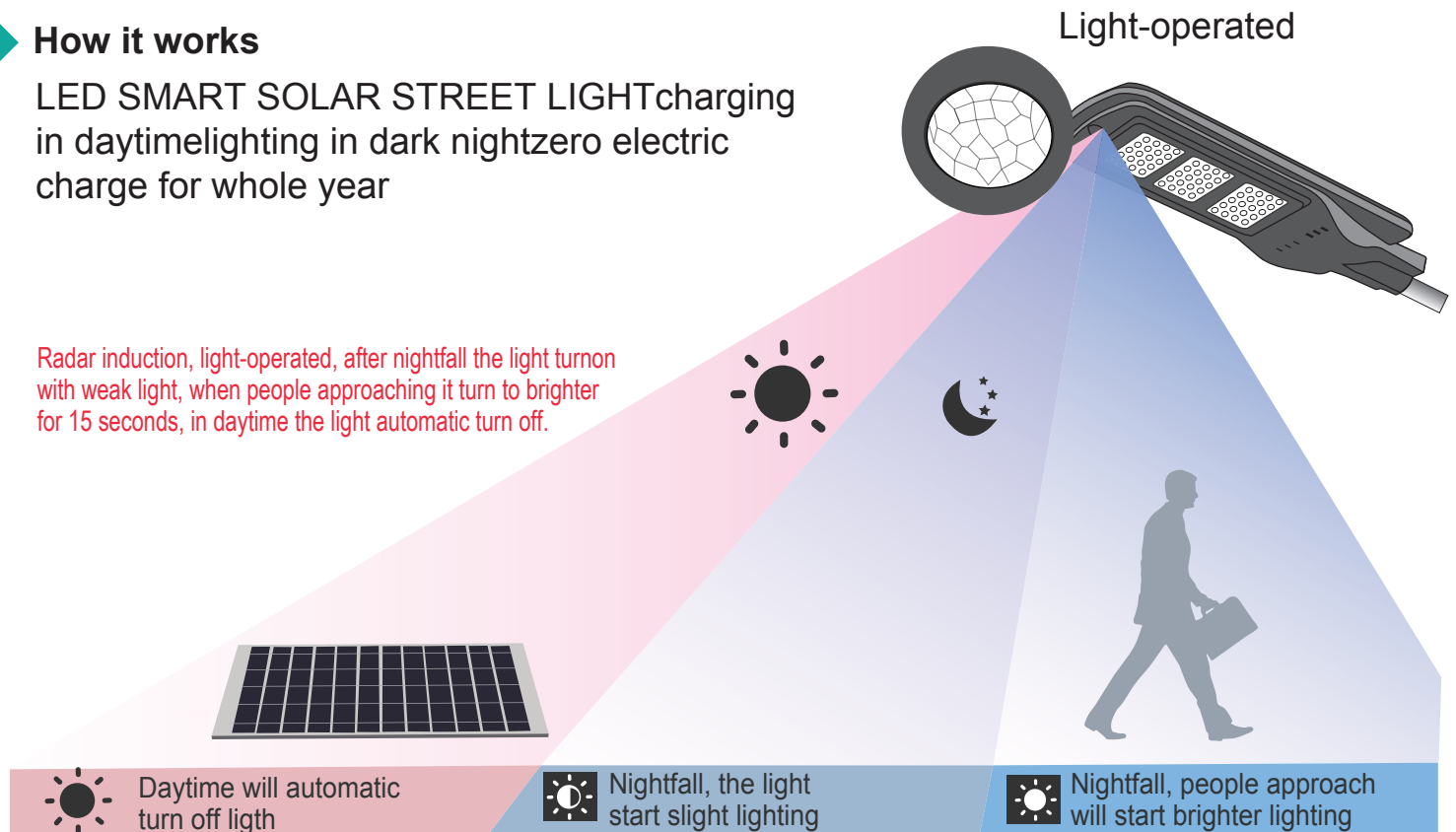
## Specifications

| Model number     | N. LED | Size(mm)   | Battery type    | Ra | Luminous flux | Solar panel power | Installation Height | Warranty |
|------------------|--------|------------|-----------------|----|---------------|-------------------|---------------------|----------|
| LA-AITANA-20Leds | 20     | 395×205×55 | 3.2V /6000mAH   | 80 | 1200lm        | 7W/6V             | 3-4m                | 3 Years  |
| LA-AITANA-40Leds | 40     | 500×248×66 | 3.2V /8000mAH   | 80 | 1400m         | 10W/6V            | 4-5m                | 3 Years  |
| LA-AITANA-60Leds | 60     | 630×248×66 | 3.6V/20.000mAH. | 80 | 3.500lm       | 14W/6V            | 5-6m                | 3 Years  |

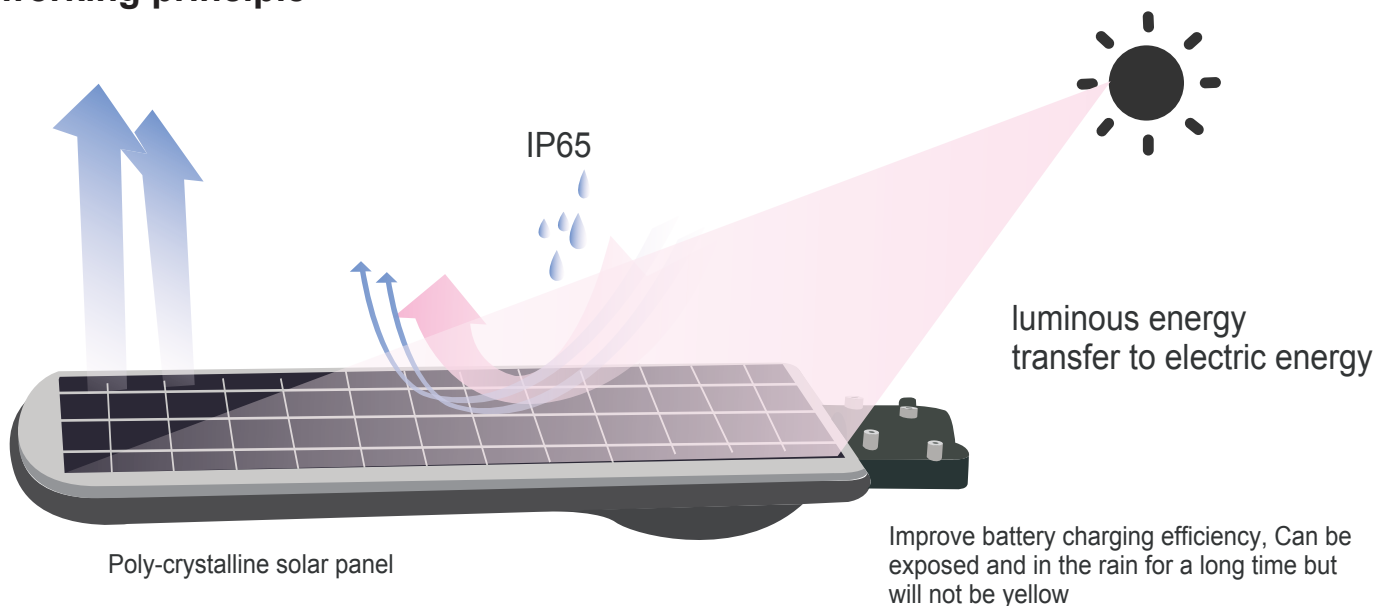
### ► How it works

LED SMART SOLAR STREET LIGHTcharging  
in daytimelighting in dark nightzero electric  
charge for whole year

Radar induction, light-operated, after nightfall the light turn on  
with weak light, when people approaching it turn to brighter  
for 15 seconds, in daytime the light automatic turn off.



### ► working principle





## Especificaciones

| Número de modelo | N. LED | Tamaño(mm) | Tipo de Batería | Ra | Luminosidad | Solar panel p ower | Installation Height | Warranty |
|------------------|--------|------------|-----------------|----|-------------|--------------------|---------------------|----------|
| LA-AITANA-20Leds | 20     | 395×205×55 | 3.2V /6000mAH   | 80 | 1200lm      | 7W/6V              | 3-4m                | 3 Years  |
| LA-AITANA-40Leds | 40     | 500×248×66 | 3.2V /8000mAH   | 80 | 1400m       | 10W/6V             | 4-5m                | 3 Years  |
| LA-AITANA-60Leds | 60     | 630×248×66 | 3,6V/20.000mAH. | 80 | 3.500lm     | 14W/6V             | 5-6m                | 3 Years  |

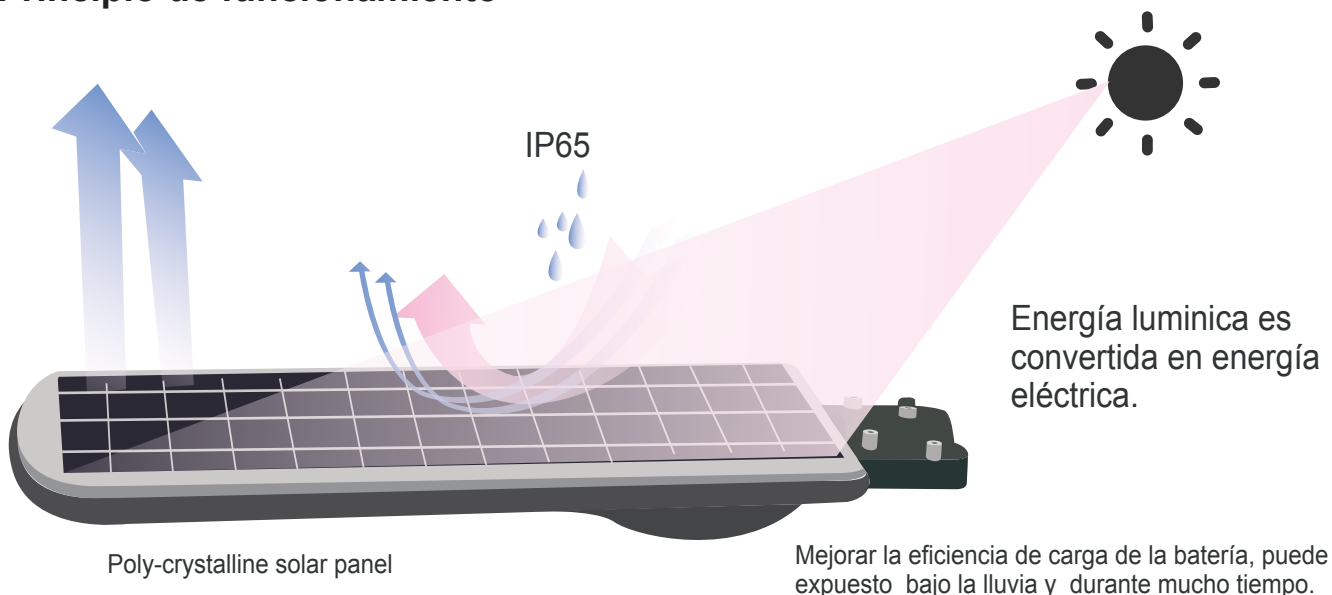
### ► Cómo funciona

LAMPARA DE ALUMBRADO PUBLICO LED  
SOLAR Carga durante el día por medio del  
panel solar acumulando energía en su batería  
de litio y el encendido es automático por las  
noches cuando no hay radiación solar.

El radar de inducción funciona por medio de micro ondas  
cuando la luminaria esta encendida registra cualquier  
movimiento a 160 m a la redonda, si no detecta movimiento  
dimeriza a los 15 segundos al 50%.



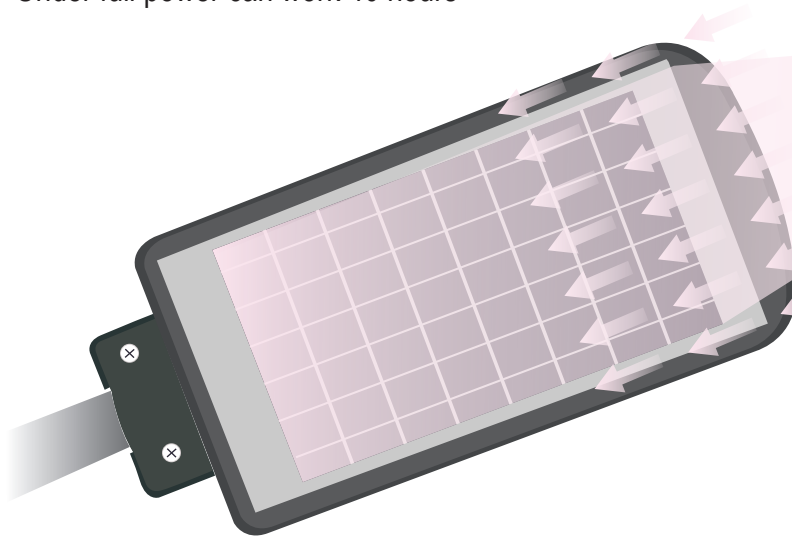
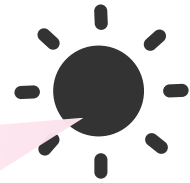
### ► Principio de funcionamiento





Charging time: 6-8 hours

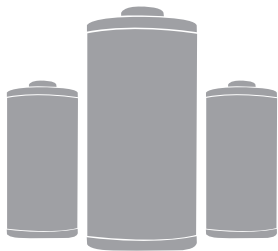
Working time:  
Under full power can work 40 hours



Note: Solar panel could charge lightly by natural daylight. On cloudy days, battery charge will reduce. Working days beyond the nominal days of cloudy and rainy days, the luminaires will be insufficient brightness or stop protecting output which causes not-working situation.

it will be back to normal after charging in sufficient sunlight

## Large capacity battery



**UN38.3**  
Transportation Safety  
Certification

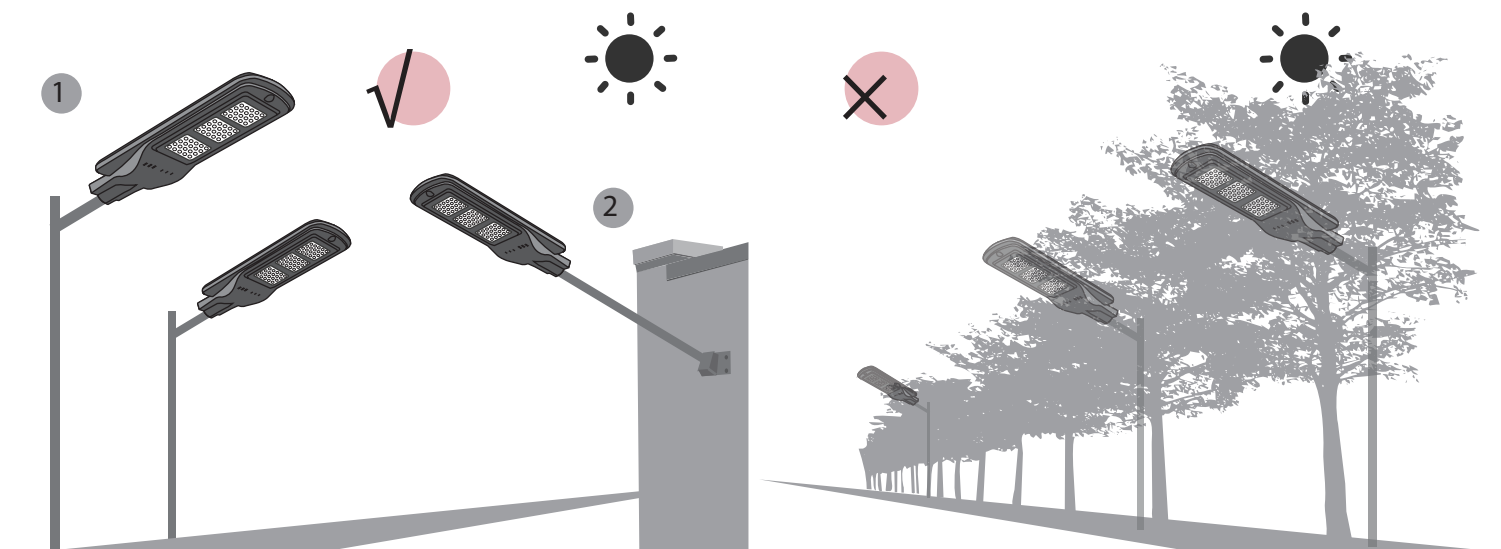
**MSDS**  
Material Safety Data Sheet

| Model number      | Battery type           | Milliamp        |
|-------------------|------------------------|-----------------|
| LA-AITANA-20 Leds | Lithium iron phosphate | 3.2V /6000mAh   |
| LA-AITANA-40 Leds | Lithium iron phosphate | 3.2V /8000mAh   |
| LA-AITANA-60 Leds | Lithium iron phosphate | 3.6V/20.000mAh. |

## Installation method

High-pole installation and wall installation,  
save much money and worries

Usage: Campus, city square, Garden, Road, village etc

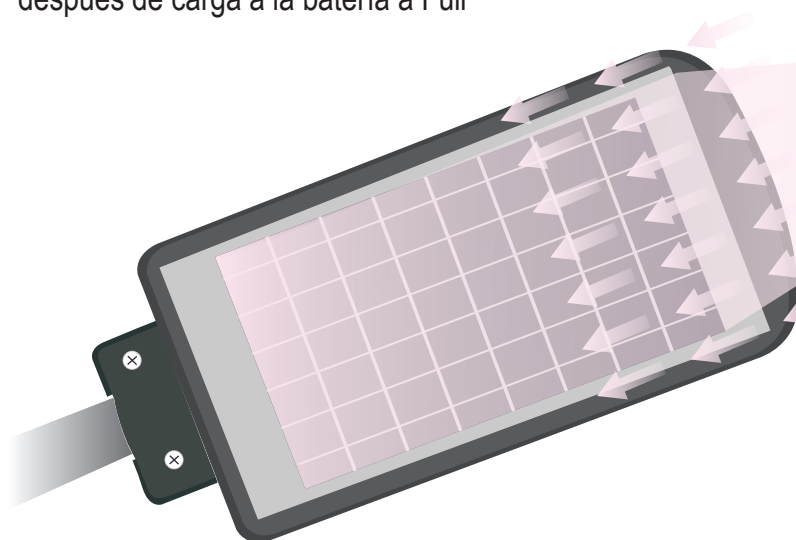
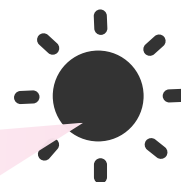


Note: the installation place should be in open area (no trees or buildings sheltering the solar panel)



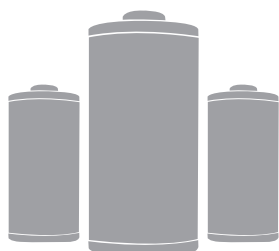
Tiempo de carga 6-8 horas

Tiempo de trabajo puede funcionar 40 horas  
después de carga a la batería a Full



Note: Nota el panel solar carga la batería con la luz natural del día. En días nublados la batería puede reducir su carga. En días nublados o días de lluvia la luminaria puede ofrecer un brillo inferior o detener su iluminación por estado de protección. En días soleados la carga vuelve a su normalidad y la luminaria funciona al 100%

## Capacidad de la batería



### UN38.3

Certificación de  
seguridad de  
transporte.

### MSDS

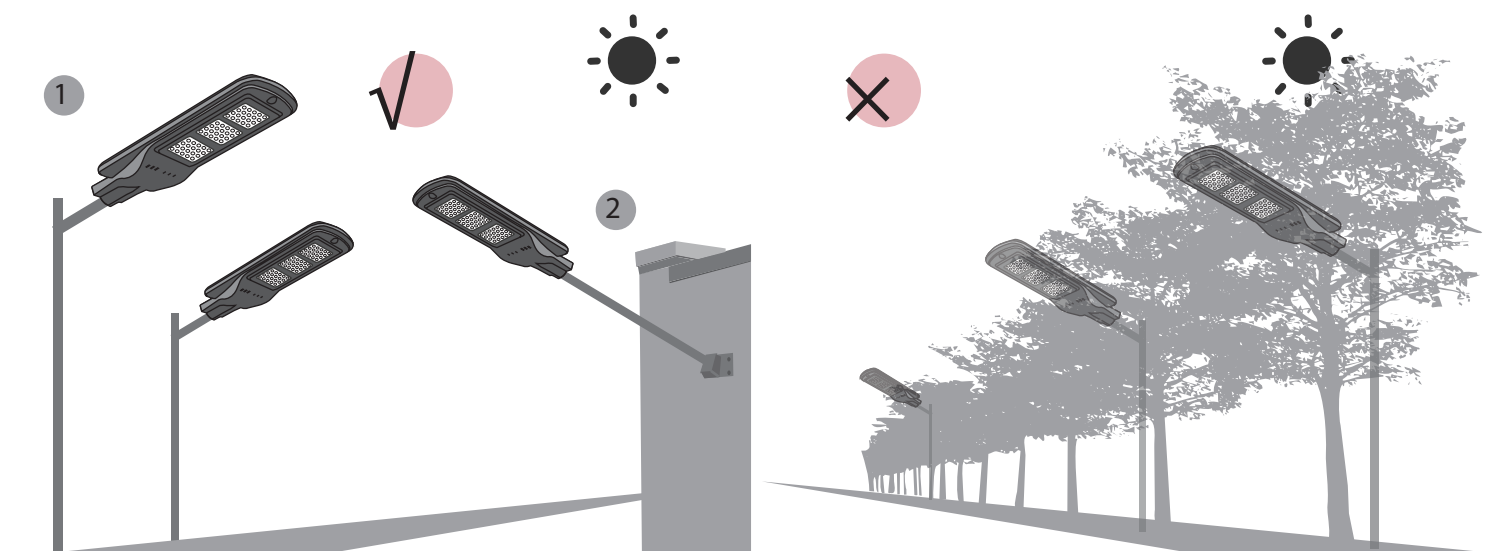
Documento de  
seguridad incluido.

| Modelo            | Tipo de batería           | Miliamperios    |
|-------------------|---------------------------|-----------------|
| LA-AITANA-20 Leds | Lithium i ron ph osph ate | 3.2V /6000mAH   |
| LA-AITANA-40 Leds | Lithium i ron ph osph ate | 3.2V /8000mAH   |
| LA-AITANA-60 Leds | Lithium i ron ph osph ate | 3,6V/20.000mAH. |

## metodo de Instalación

Instalación en Poste y muro ahorra dinero  
y problemas.

Usos: Campo, ciudad, jaridnes, carreteras, condominios, etc.



Nota: La instalación debe ser en áreas abiertas sin arboles, edificios u obstaculos para el panel solar.





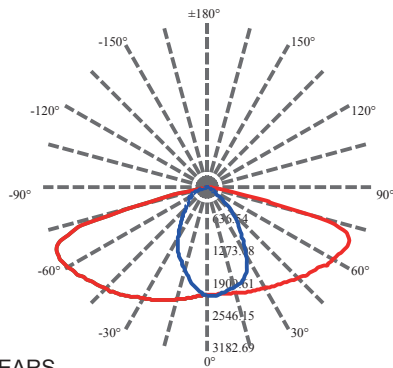
## Light Distribution Curve (Unit:cd) and Lux distance Curve

20

LA-AITANA-20

POWER:20W

CIR(RA): 80WARRANTY: 3YEARS

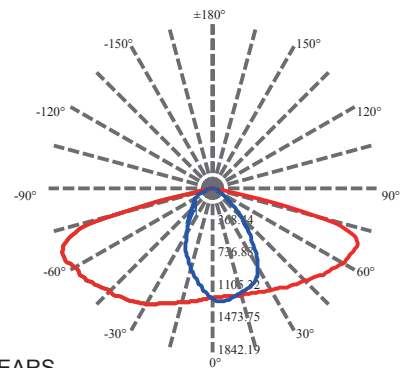


40

LA-AITANA-40

POWER:40W

CIR(RA): 80WARRANTY: 3YEARS

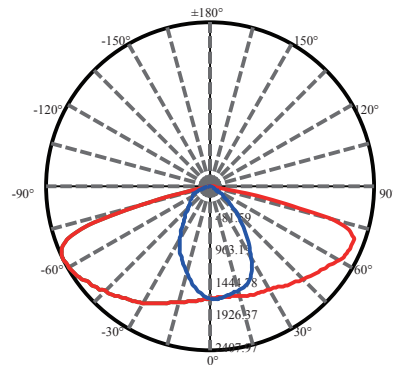


60

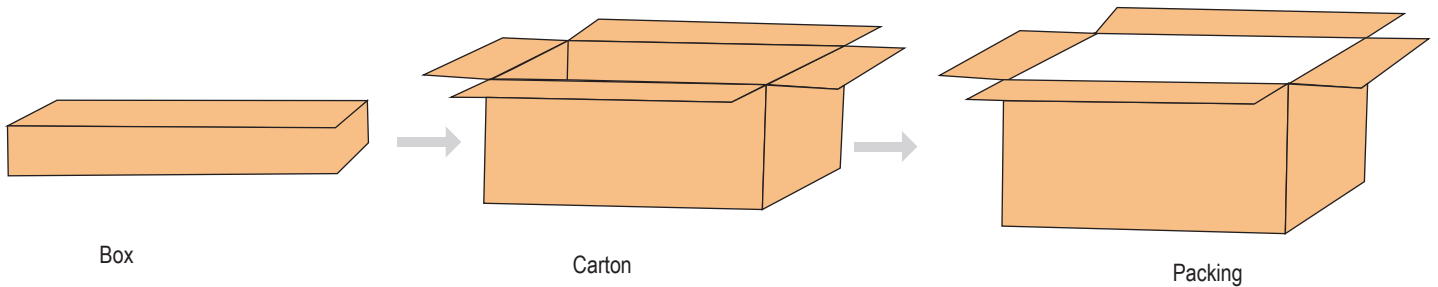
LA-AITANA-60

POWER:60W CIR(RA):

80WARRANTY: 3YEARS



## Packing



| Model number | Power | Packing size(mm) | Carton size(mm) | QTY/Carton |
|--------------|-------|------------------|-----------------|------------|
| LA-AITANA-20 | 12W   | 210×60×395       | 630×435×410     | 20         |
| LA-AITANA-40 | 14W   | 240×70×505       | 495×370×510     | 10         |
| LA-AITANA-60 | 20W   | 260×70×635       | 535×370×650     | 10         |



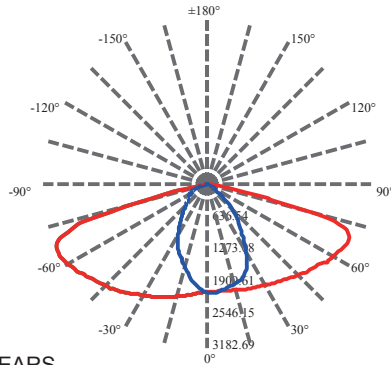
## Curva de distribución Unid:CD

20

LA-AITANA-20

POWER:20W

CIR(RA): 80WARRANTY: 3YEARS

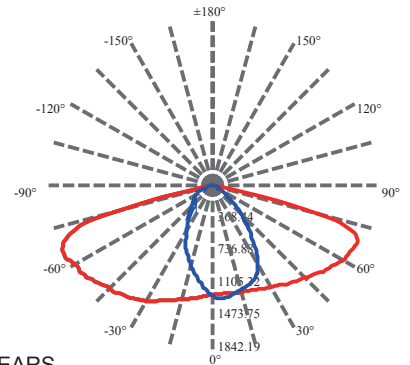


40

LA-AITANA-40

POWER:40W

CIR(RA): 80WARRANTY: 3YEARS

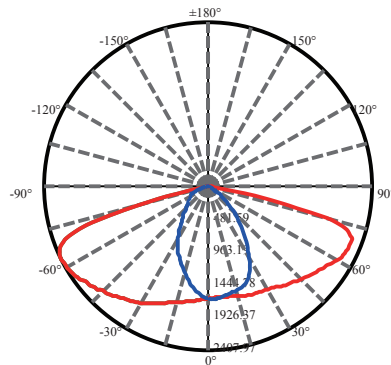


60

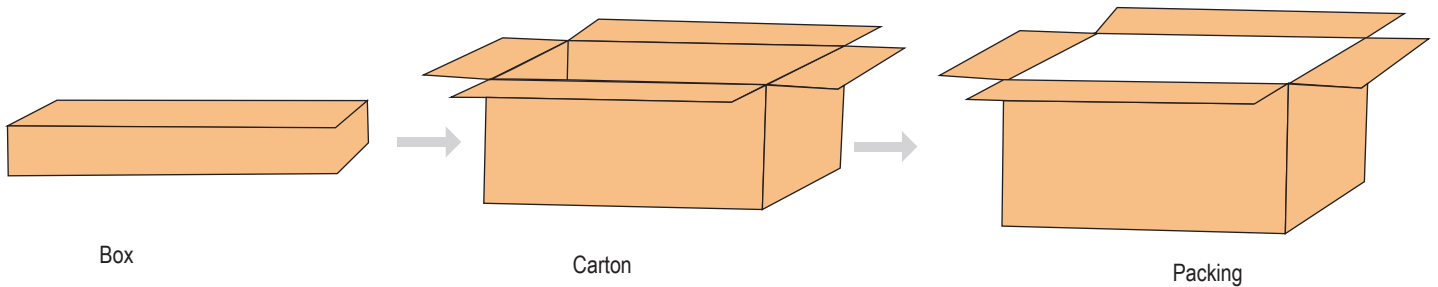
LA-AITANA-60

POWER:60W CIR(RA):

80WARRANTY: 3YEARS



## Empaque



| Modelo       | No LED | Tamaño empaque(mm) | Tamaño Carton (mm) | Catidades/Carton |
|--------------|--------|--------------------|--------------------|------------------|
| LA-AITANA-20 | 12W    | 210×60×395         | 630×435×410        | 20               |
| LA-AITANA-40 | 14W    | 240×70×505         | 495×370×510        | 10               |
| LA-AITANA-60 | 20W    | 260×70×635         | 535×370×650        | 10               |