



# SOLAR LED STREET LIGHT



# COMPANY INTRODUCTION

DEL ILLUMINATION CO., LTD. is a joint company between Germany and China. We have research and development office in Dresden, Germany; sales and marketing office in Shenzhen, China; 10000 m<sup>2</sup> manufacture plant in Changzhou, China. Our production ability is 10,000 pcs/ month. Our company only specializes in solar LED lights. All products are designed by our professional Germany R&D team who has been in this field for more than 8 years. Regarding quality control, our production management system is strictly conducted according to ISO9001-2005 standards, always staying ahead in the field, owing to our unique designs and high quality assurance. Our products have passed CE, ROHS, IP66, FCC, IEC, C-tick, MSDS, LM80, IK08, salt spray, vibration etc. certifications by the third lab, which is also testimony of our high quality standard. Being an LED Lighting Artist is the dream for every DELer. We believe, with our serious stance that all of our partners will achieve a successful market impact around the world.



# COMPANY STRUCTURE



RECEPTION DEPARTMENT



SALES DEPARTMENT



MARKETING DEPARTMENT



R&D DEPARTMENT



PURCHASING DEPARTMENT



EQUIPMENT DEPARTMENT



PRODUCTION DEPARTMENT



QUALITY CHECK DEPARTMENT

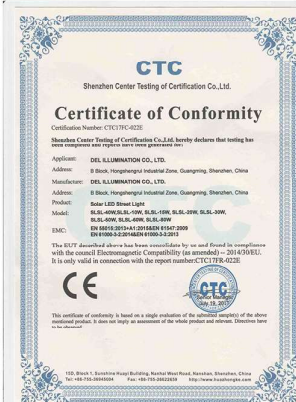


WAREHOUSE DEPARTMENT

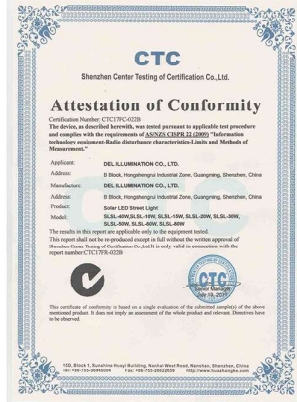
# CERTIFICATIONS



**CE-EMC**



**CE-LVD**



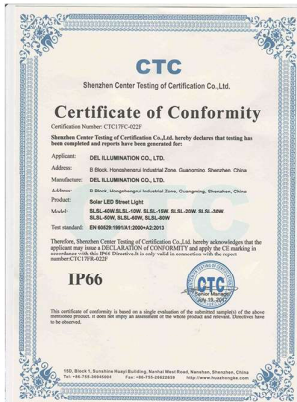
**C-TICK**



**FCC**



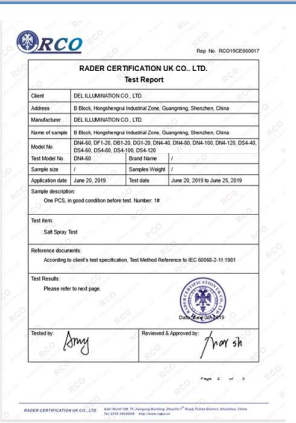
**RoHS**



**IP66**



**IK08**



**Salt Spray**



**Vibration**

# All-in-One Solar LED Street Light

## INTRODUCTION

The All-in-One solar LED street light is the newest technology for solar street lights. With its all-in-one design, its solar panel, LED lamp, lithium battery and charging controller are all integrated into one single body. With this new technology, there is no need for cables or any digging of underground spaces to store its battery. Installation can also be done very quickly. Additionally, this solar LED street light is comprised of the latest intelligent lighting system.

## PRODUCT PICTURE



## PRODUCT PICTURE



## INTRODUCTION

The lamp works automatically based on day and night. It has three settings including motion sensor, time schedule and internet control, to meet different requirements. There will be no need for unnecessary settings after installation. Compared to traditional solar street lights, it is much easier to install and transport, with a longer lifespan than lead-acid batteries and is also cheaper to maintain.

# SPECIFICATION

MODEL NO.	DEL-DN6-40	DEL-DN6-60	DEL-DN6-80	DEL-DN6-100	DEL-DN6-120	DEL-DN6-140	DEL-DN6-160
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## LIGHTING

EFFICIENCY	200-240LM/W						
LED CHIP	PHILIPS 3030 (CERTIFIED PER IESNA LM-80 TM-21)						
CCT	3000-6000K						
LIFESPAN	50 000 HOURS (12 YEARS)						
MAX POWER	40W	60W	80W	100W	120W	140W	160W
NOMINAL POWER	20W	30W	40W	50W	60W	70W	80W
TYPICAL LUMINOUS FLUX	4000-4800LM	6000-7200LM	8000-9600LM	10000-12000LM	12000-14400LM	14000-16800LM	16000-19200LM
BEAM ANGLE	80°X150°						
WORKING WAY	MOTION SENSOR/TIME SCHEDULE						

## PHOTOVOLTAIC PANEL

TECHNOLOGY	MONO-CRYSTALLINE PHOTOVOLTAIC PANELS						
POWER OF PV MODULE	50WP	70WP	100WP	120WP	140WP	160WP	180WP
LIFESPAN	25 YEARS						

## BATTERY

TECHNOLOGY	LIFEPO4(LITHIUM IRON PHOSPHATE)						
LITHIUM BATTERY	231WH	384WH	538WH	615WH	768WH	922WH	1076WH
AUTONOMY	3 - 5 RAINY DAYS						
LIFESPAN	12 YEARS						

## CHARGING CONTROLLER

TECHNOLOGY	MPPT(MAXIMUM POWER POINT TRACKING)						
LIFESPAN	12 YEARS						

## GENERAL

DIMENSIONS	827*407*150MM	1037*407*150MM	1387*407*150MM	1627*407*165MM	1367*587*165MM	1512*587*165MM	1697*587*165MM
WEIGHT	11.4KG	13.1KG	15.1KG	17.3KG	24.5KG	26.9KG	29.6KG
IP	IP66						
WORKING TEMPERATURE	-20°C~+60°C						
RECOMMENDED INSTALLATION HEIGHT	4-6M	5-7M	6-8M	7-9M	8-10M	9-11M	10-12M
RECOMMENDED INSTALLATION DISTANCE	15-20M	20-25M	25-30M	30-35M	35-40M	40-45M	45-50M
RECOMMENDED DIAMETER OF TOP MOUNTING	55-60MM	55-60MM	55-60MM	75-80MM	75-80MM	75-80MM	75-80MM

# QUALITY CONTROL

ISO9001 Certificated Company

Defective Rate < 0.1%

(Amazingly Only 1 Out Of 1000 Pcs)

Strict compliance With ISO9001  
Quality Management System

## 12 Strict Quality Checking Steps

1



Solar Panel Inspection

2



Solar Charging  
Controller Inspection

3



Full Automatically  
SMT Process

4



LED Light Source Inspection

5



Semi-finished Parts  
Testing Together

6



Aluminum Structure Inspection

7



Finished Products Testing

8



Complete Inspection  
before Packing

9



High and Low  
Temperature Test

10



Waterproof Test

11



Lamp Testing for Record

12



Finished Products for Delivery

## OUR SERVICES

### LIGHT DESIGN SERVICE

Most solar lighting is used for projects and projects require light design services. Our company can provide such services. We calculate the lamp quantity to meet your lux requirements, according to the drawing.



### ODM CUSTOMIZE SERVICE

ODM means "Original Design Manufacturer"

Our company can customize the products according to your ideas or if you have your own design, we can also manufacture it for you. This design will be only sold to you, no others.

### OEM SERVICE

OEM means "Original Equipment Manufacturer" We can provide our products with your brand. All the labels can be in your brand way or local language, which will be very good for your brand promotion or local market.



# SKD

### SKD SERVICE

SKD means "SemiKnocked Down"

For some government projects, it is preferred that the products are made in the respective home country of each government. With this requirement, we support our clients in an SKD way, meaning that we send our products in separate parts to the required country, which then assembles all of the parts, making it possible to be declared as "Made in" the respective country. We will be in charge of all the trainings.

## WHY US

### PATENT DESIGN FROM GERMANY

All our products are designed by our Germany team from the Dresden University of Technology. It is the leading R&D centre of LED in the world. What's more, our Germany team have 10 years experience in sales and marketing of solar and LED lighting, making our design perfectly adapted to the market's needs.

In addition, all our products are patent design. You can only find this kind of product in our company, so it will be very good for your sales and marketing.



# DESIGN GERMANY

### STRONG SUPPLY CHAIN MANAGEMENT



As we know, China has its own top advantage in manufacturing. Our manufacturing base locates in Shenzhen, which is LED and production base in China.

Our manufacturing team has rich experience in supply chain management. They used to work in the company of Foxconn where Iphone are manufactured. All the products are made according to ISO9001 standard so we can guarantee the defective rate to be within 0.1%.



## PROFESSIONAL CERTIFICATIONS FROM THIRD PARTY

We always know that quality can not be believed just by words or pictures, but how can we prove our quality. It is believed that third lab will be the first choice.

All our products have been certificated by third lab. Currently we have CE, RoHS, IP66, FCC, C-TICK, IEC, LM80, IK08, Salt Spray, Vibration etc. It can satisfy most of government tenders.



## ONLY SPECIALIZE IN SOLAR LED LIGHTING



Focus is the first factor to show the determination to the products.

Our company only focus our attention on solar lighting so we can invest more time and cost on R&D and quality control of solar lighting. The more we pay on solar lighting, the more we will gain on solar lighting.

## WIDE DISTRIBUTION NETWORK

Currently our products have been exported to 37 countries all over around the world. With these 285 clients, we can achieve a wide distribution network.

All the end-clients can be shared with the distributors to achieve local sales. It not only helps our distributors easier and faster explore the market but also sales protection.



# SUCCESSFUL CASES



PAKISTAN



GERMANY



COLOMBIA



ARGENTINA



PHILIPPINE



INDONESIA



ALGERIA



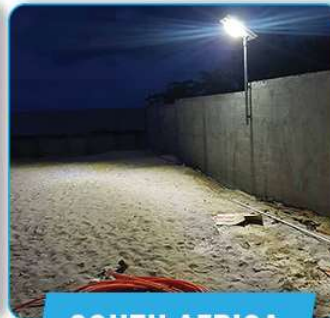
KENYA



GHANA



SAUDI ARABIA



SOUTH AFRICA



SPAIN



AUSTRALIA



UNITED STATES



UAE




MEXICO



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