



# WHY CHOOSE US

 **EL**<sup>®</sup>  
ILLUMINATION CO., LTD



CE



FC



LM80

SALT  
SPRAY

VIBRATION

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# PART 1

## ALL-IN-ONE INTRODUCTION



### Conventional Solar LED Street Light

Single lighting method



Intricate installation involving separate components



Requires a substantial amount of cabling for installation



Necessitates digging underground holes for the battery



Limited 2-year lifespan for lead-acid batteries



Complicated and costly maintenance service



High installation and transportation expenses



### DEL All in One Solar LED Street Light

✓ Smart lighting solution

✓ Simple installation with all-in-one components

✓ No cabling required for installation

✓ No need to excavate underground holes

✓ Extended 12-year lifespan for lithium batteries

✓ Effortless and cost-effective maintenance service

✓ Affordable installation and transportation costs



# PART 2

## GERMAN DESIGN



### Common All in One Solar LED Street Light

Widely available in the market



Stationary bracket for a single  
solar panel angle



Common LED Lens for Consistent  
Single-Beam Distribution



Exclusively compatible with the  
all-in-one solution



Non-serviceable



No special protection



### DEL All in One Solar LED Street Light



Exclusive German-patented design



Adaptable bracket for various  
solar panel angles



Advanced LED Lens for Customizable  
Multi-Pattern Distribution



Compatible with both all-in-one  
and all-in-two solutions



Effortless replacement of all  
primary components



Comes with anti-theft, anti-storm,  
and anti-rust protection



# PART 3

## RAW MATERIAL STANDARDS



### Cheap All in One Solar LED Street Light

Lamp structure crafted from plastic or steel



Polycrystalline or low efficient solar panel



Cheap, lower-capacity lithium battery



PWM Controller with limited charging efficiency



Low brightness from Bridgelux/Epistar LEDs



### DEL All in One Solar LED Street Light



Structural frame made of pure aluminum



Highly efficient monocrystalline solar panel



Grade A LiFePO4 lithium battery



MPPT Controller with superior charging efficiency



Exceptional brightness from LM80 Philips LED

## COMPANY INTRODUCTION

DEL ILLUMINATION CO., LTD. is a German-Chinese partnership with a research and development center in Dresden, Germany, a sales and marketing office in Shenzhen, China, and a 10,000 square meter manufacturing plant in Dongguan, China. Our monthly production capacity is 10,000 units, exclusively specializing in solar LED street lights. These innovative products are meticulously designed by our highly experienced German R&D team with over 14 years in the field.

We maintain stringent quality control, adhering to ISO9001-2005 standards, and have earned multiple certifications including CE, ROHS, IP66, FCC, IEC, C-tick, MSDS, LM80, IK08, as well as certifications for salt spray and vibration testing by third-party laboratories. These certifications serve as a testament to our unwavering commitment to high-quality standards.

Becoming a "Solar LED Street Light Artist" is the shared dream of every member of the DEL family. We firmly believe that our dedication will empower our partners to make a substantial impact in markets across the globe.



## COMPANY STRUCTURE



RECEPTION DEPARTMENT



SALES DEPARTMENT



MARKETING DEPARTMENT



R&D DEPARTMENT



PURCHASING DEPARTMENT



EQUIPMENT DEPARTMENT



PRODUCTION DEPARTMENT



QUALITY CHECK DEPARTMENT



WAREHOUSE DEPARTMENT



# QUALITY CONTROL

Defective Rate < 0.1%  
(Amazingly Only 1 Out Of 1000 Pcs)  
Strict compliance With ISO9001 Quality Management System



Solar Panel Inspection



Solar Charging  
Controller Inspection



Lithium Battery Inspection



LED Light Source Inspection



Semi-finished Parts  
Testing Together



Aluminum Structure Inspection



Finished Products Testing



Complete Inspection  
before Packing



High and Low  
Temperature Test



Waterproof Test



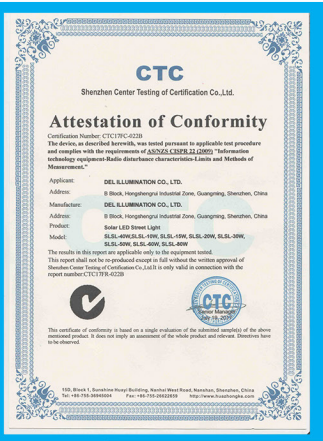
Lamp Testing for Record



Finished Products for Delivery



# CERTIFICATIONS



**G-Tick**



**CE-LVD**



**CE-EMC**



**IP66**



**RoHS**



**FCC**



**IK08**



**Salt Spray**



**Vibration**



# SUCCESSFUL CASES



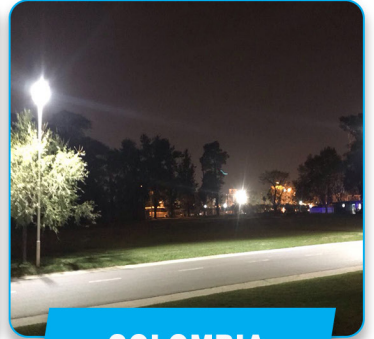
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**ARGENTINA**



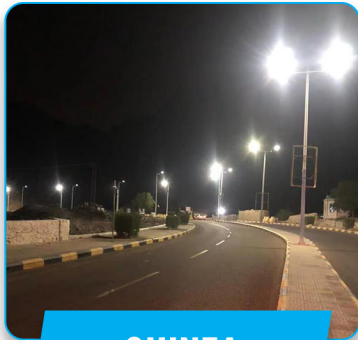
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**COLOMBIA**



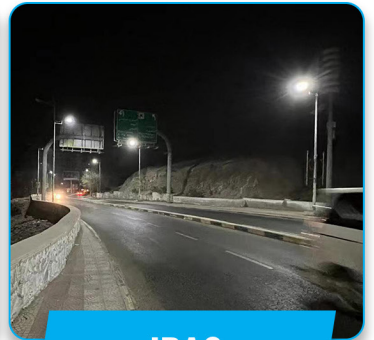
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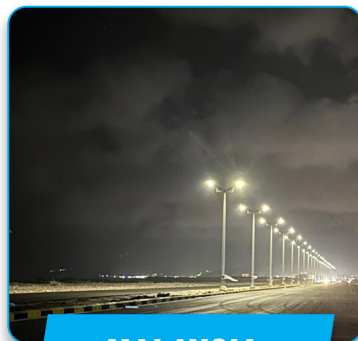
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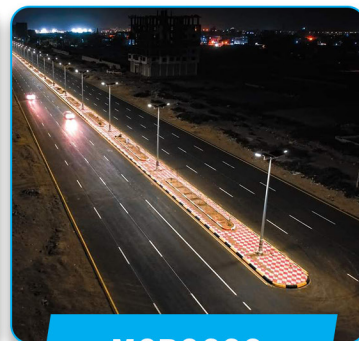
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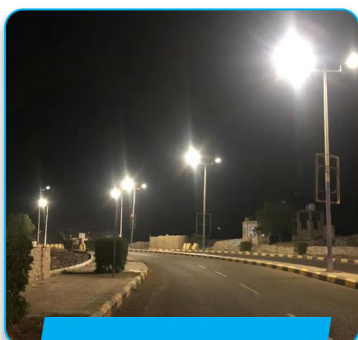
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**MOROCCO**



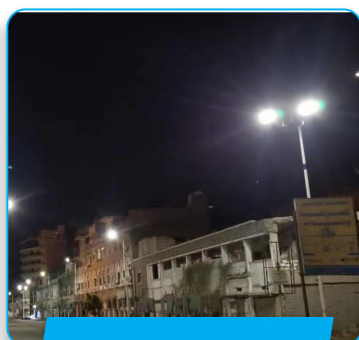
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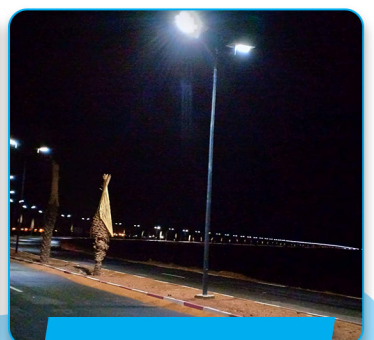
**PHILIPPINE**



**SAUDI ARABIA**



**UAE**



**UNITED STATES**