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SOLARTDI

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ALUMBRADO SOLAR INTELIGENTE TWIN

DISEÑO PARA GRANDES POTENCIAS Y UTILIDADES COMPLEMENTARIAS COMO CCTV INTERCOMUNICACIÓN Ó ENLACES RF. CON PANEL DE DOBLE CARA Y BATERIAS DE Litio EN ALOJAMIENTO ESTANCO BAJO EL PANEL.

La Tecnología
solo es
Inteligente
cuando es Solar

Introduction

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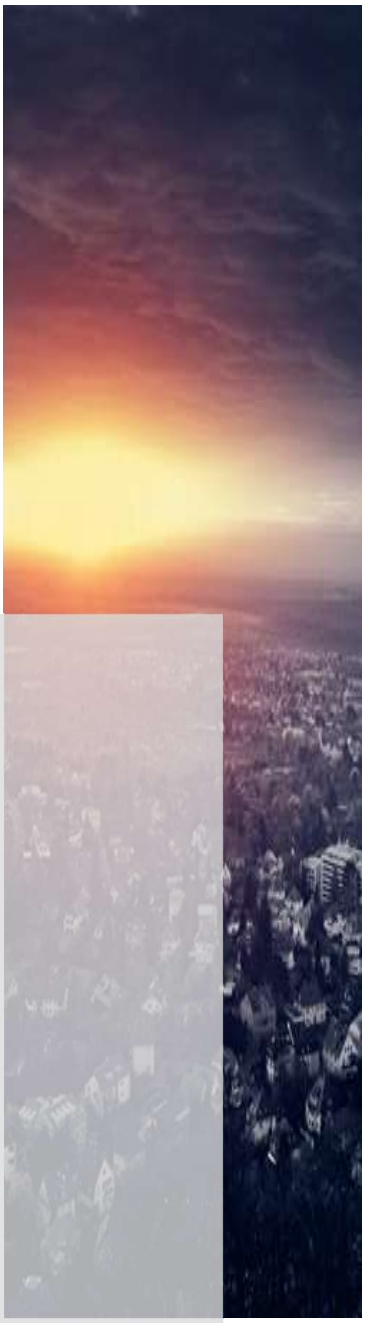

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MAIN ADVANTAGES

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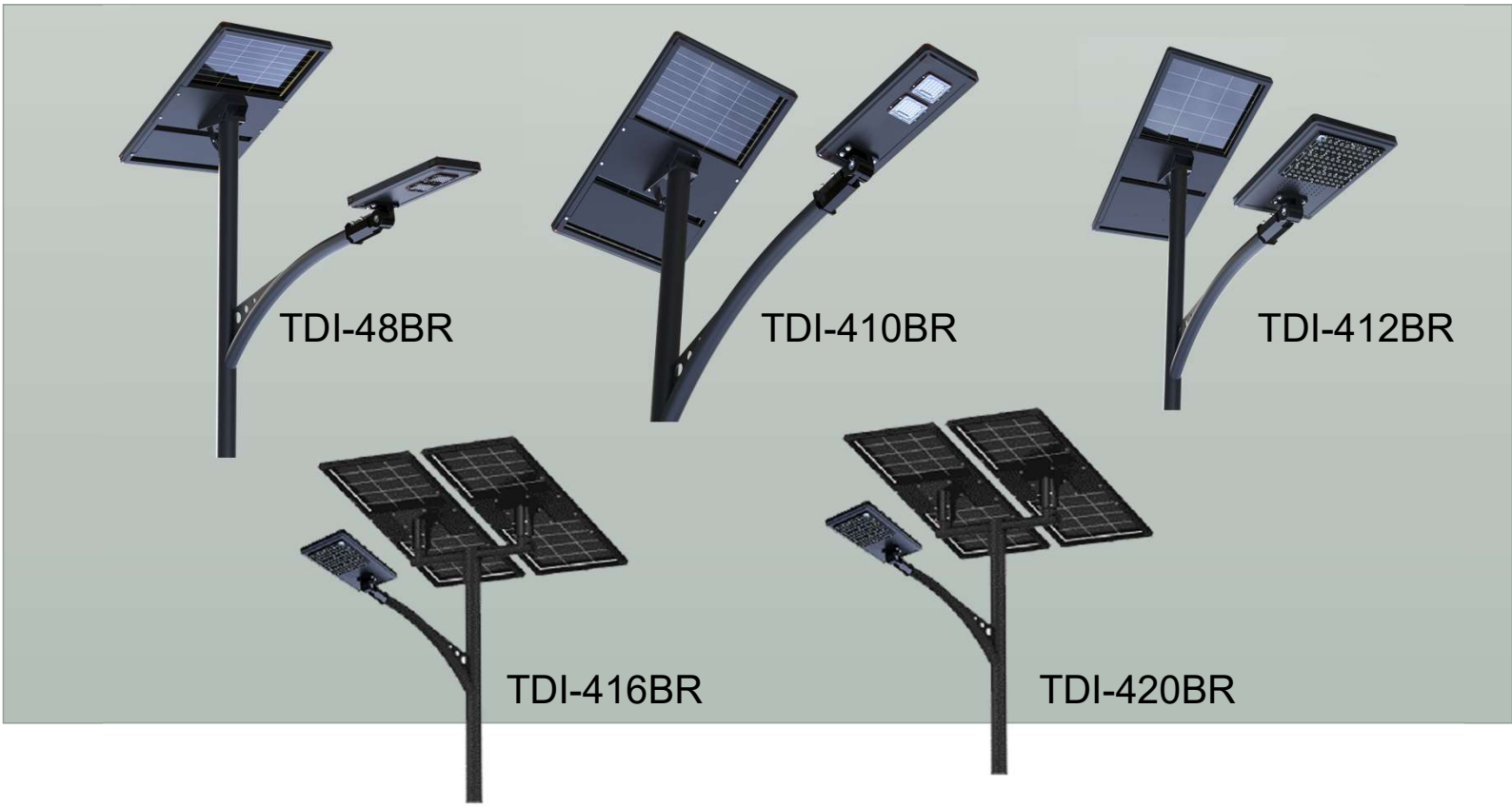

High Compact Design with Long time Antonomy

◎ Uni-case, from one moulding.
◎ Oxidation technology , which is suitable for the area which near with sea . Anti-rust , anti corrosion.
◎ Die-casting technology
◎ Solar Panel Bracket adjustable
(Up,Down, Left and right adjustable)
◎ Coeus Technology with long time antonomy

TECHNICAL SPECIFICATIONS

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B&R Series	TDI-48BR	TDI-410BR	TDI-412BR	TDI-416BR	TDI-420BR
Solar panel					
Mono-crystalline Tempered Glass Solar Panel	80W	100W	120W	160W	200W
Led					
CREE LED Number	60pcs ＞50000H	60pcs ＞ 50000H	90pcs ＞50000H	90pcs ＞50000H	120pcs ＞50000H
LED Module	2	2	3	3	4
CREE LED Emitter output (Max on peak)	40W	60W	80W	100W	120W
Efficiency	160lm/w	160lm/w	160lm/w	160lm/w	160lm/w
CREE LED illumination color	6000K	6000K	6000K	6000K	6000K
Battery					
Li-ion Battery Pack	346.32WH	461.76WH	692.64WH	808.08WH	923.52WH
Charging Time	8-10hrs by bright sunshine				
Other information					
Product Material	Aluminum alloy case with oxidation technology				
Operation Temperature	-25℃ ~ 65℃				
Sensitivity Coverage	N/A				
Lighting time	3-5nights after fully charged				
Working mode	Full bright entire night				
Intelligent power management	Yes				
Mounting Adaptor	Lamp head bracket diameter: 60mm , solar panel bracket diameter: 80mm				
Pole height/distance	4-5m/ 1 2-15m	6-8m/ 18-24m	8-10m/ 24-30m	8-10m/ 24-30m	10-12m/ 30-36m
Aux Solar Panel/ DC Adapter	Optional, 24V DC/≤5A				
Light Size (L x W)	435*226 mm	435*226 mm	500*328 mm	500*328 mm	576*328 mm
Solar panel Size (L x W)	1106*456mm	1086*566mm	1356*536mm	1106*456mm* 2pcs	996*566mm* 2pcs
IP/IK	65/08	65/08	65/08	65/08	65/08
Certificate	CE ROHS FCC ISO9001:2015				
Warranty	5years				

Product Design Process

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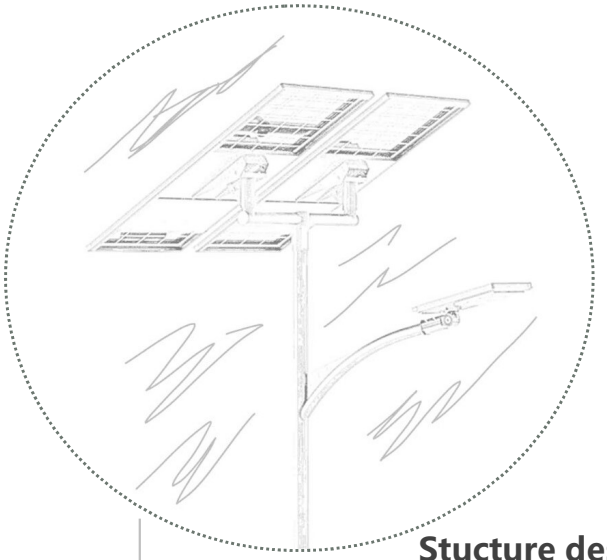
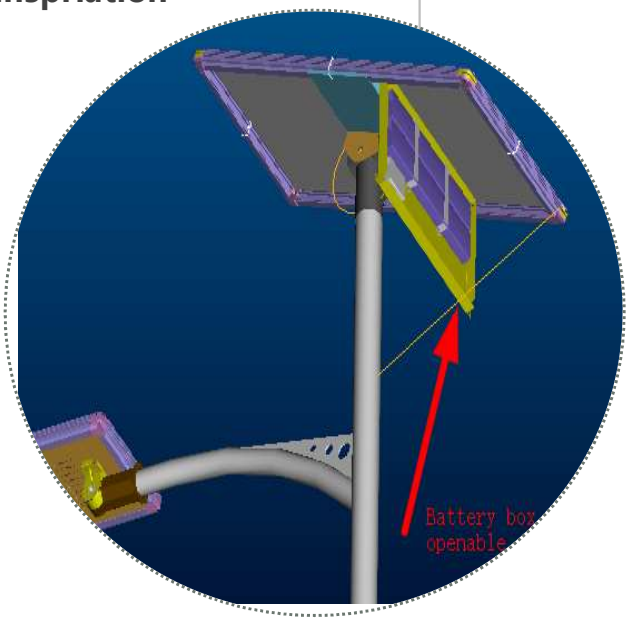


Stucture design

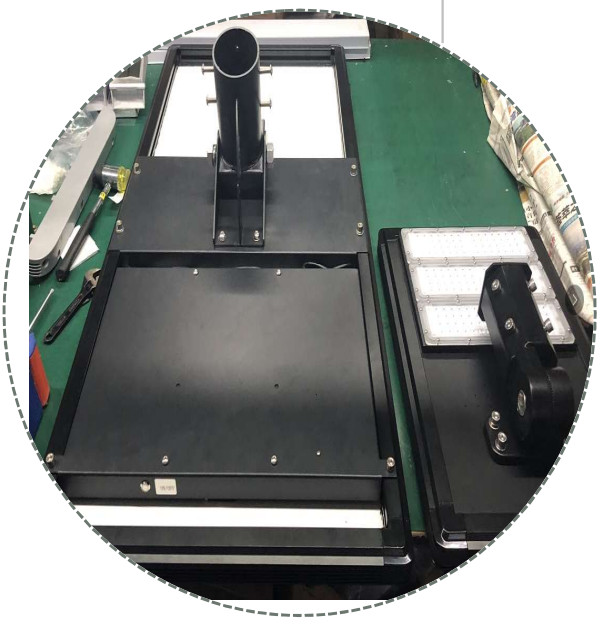
Assembly work

First Step *Second Step* *Third Step* *Fourth Step*

Design Drawing
from inspriation



Electronic design



Working Solutions

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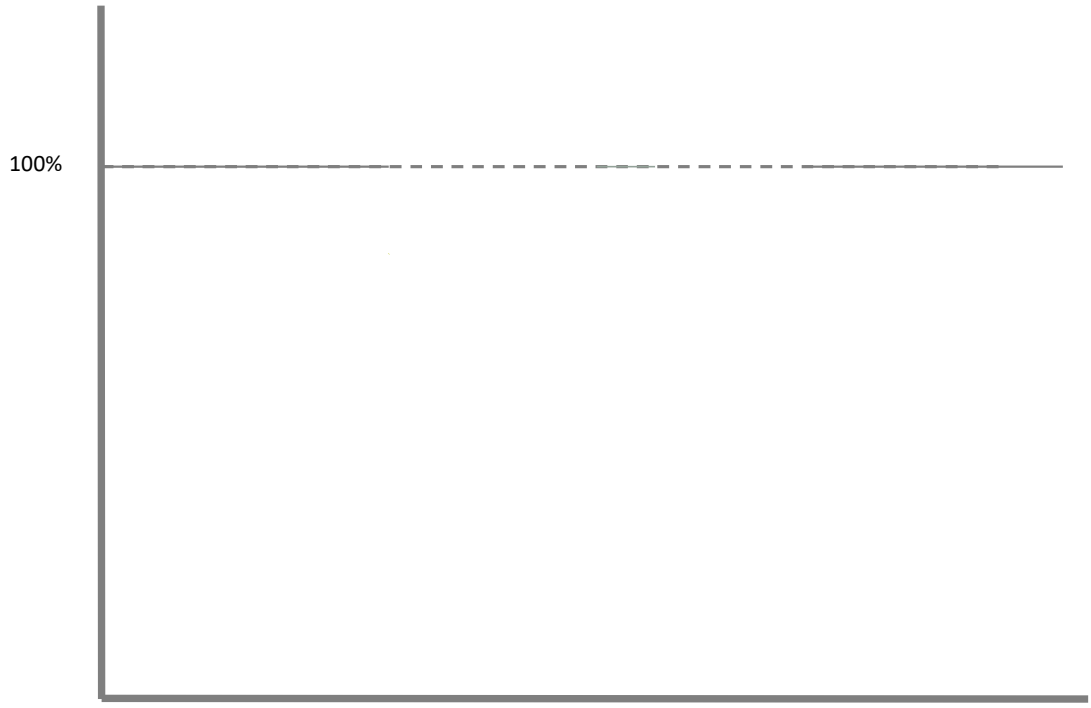
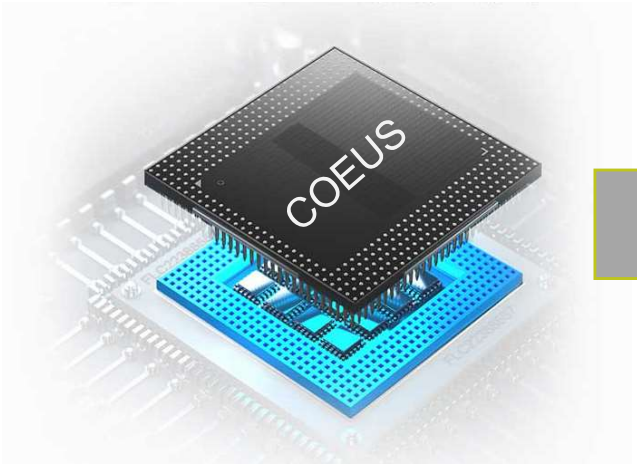
Entire night Constant Lighting .





USA
Chips and
Program

- Intelligent
- Self-Detection
- Protection Setting
- Engergy Saving
- Safety
- Stabilizing

Product Details

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Lamp and Solar panel all in aluminum material

Battery & controller inside

Up and down , left and right adjuatable

Optical Figure

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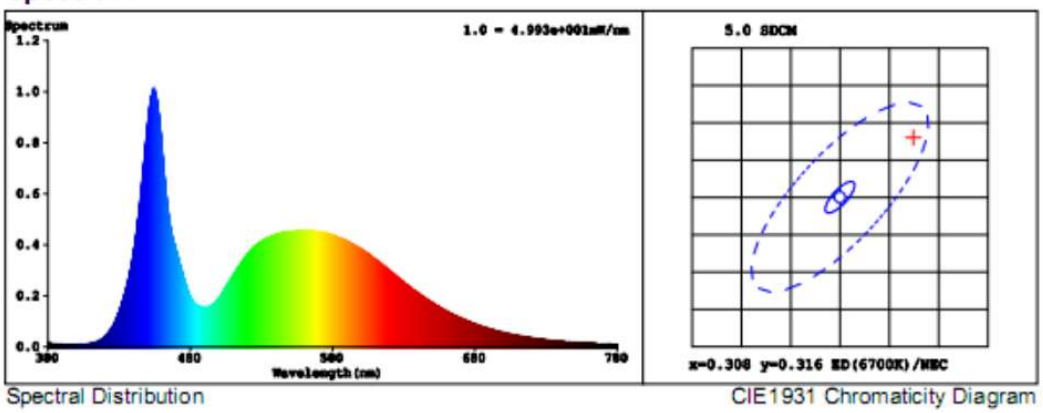
Spectrum



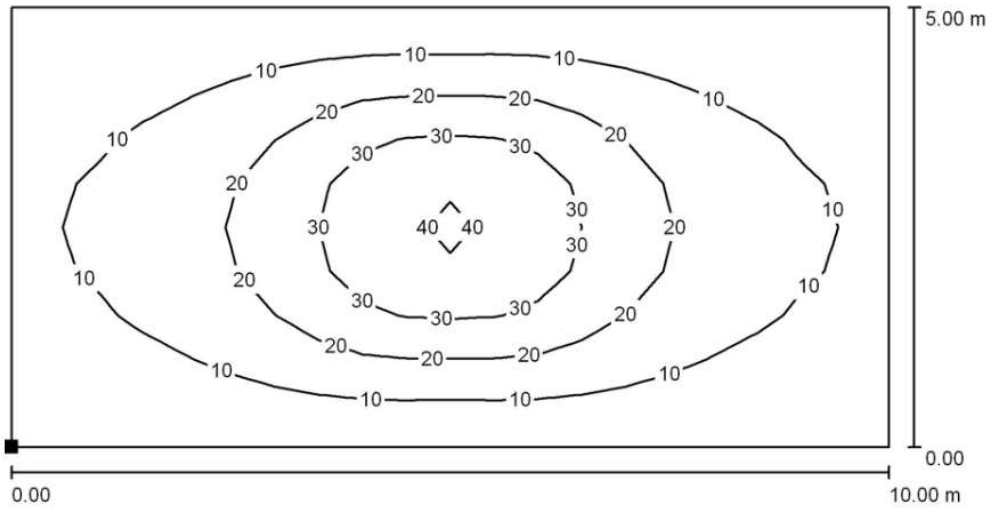
Spectral Distribution CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.3154 y = 0.3240 / u' = 0.2016 v' = 0.4660 (duv=-7.85e-04)

CCT= 6390K Prcp WL: Ld=484.7nm Purity=6.8%

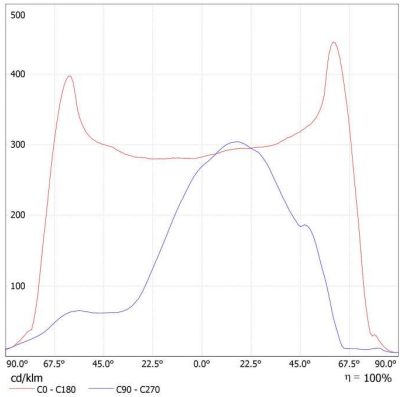
Peak WL: Lp=454nm FWHM: =21.6nm Ratio:R=13.4% G=81.6% B=5.0%



Values in Lux, Scale 1 : 72

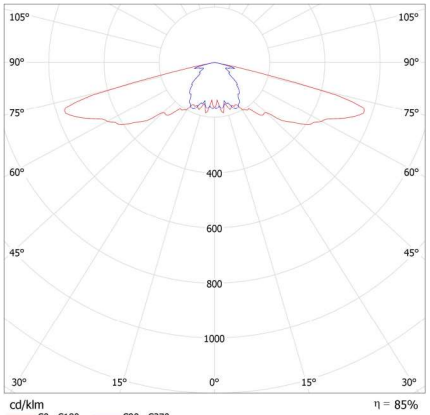
/ LDC (Linear)

Luminaire:
Lamps: 1 x

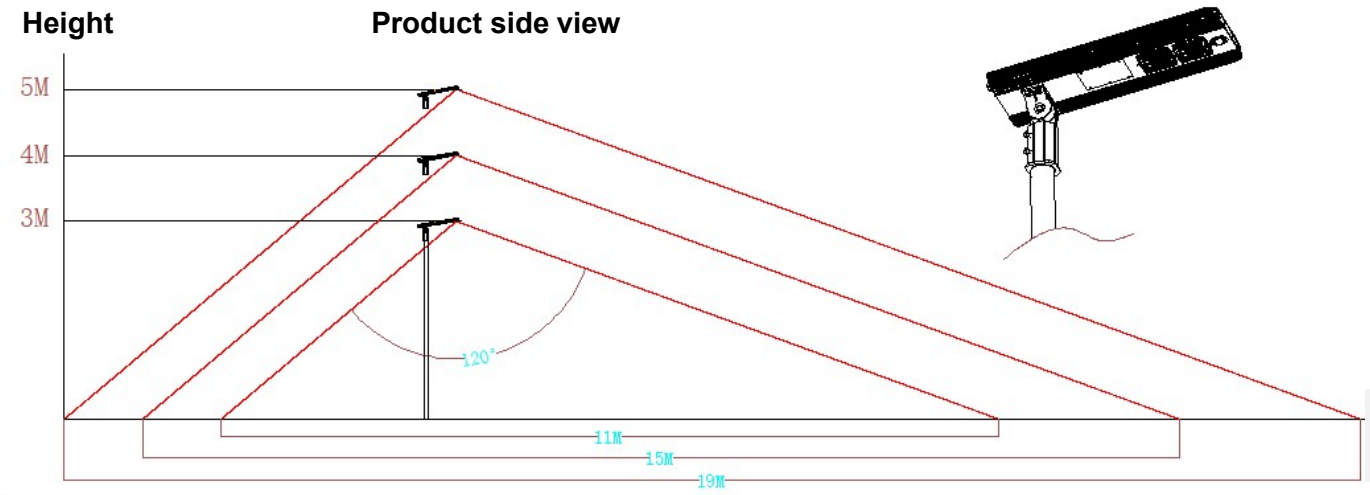


/ LDC (Polar)

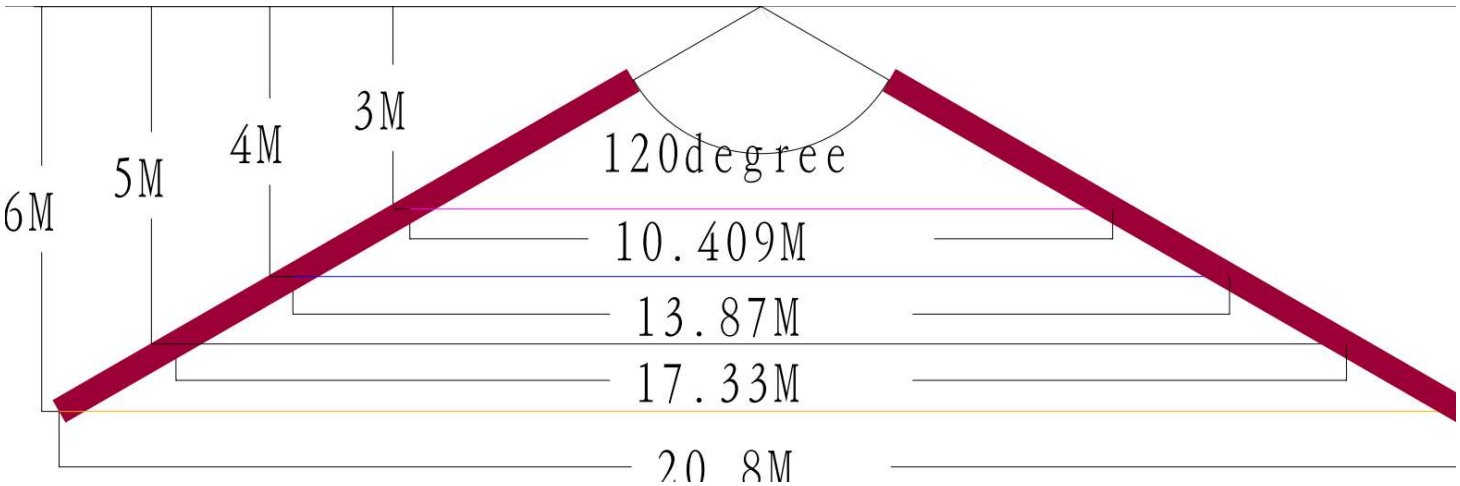
Luminaire:
Lamps: 1 x



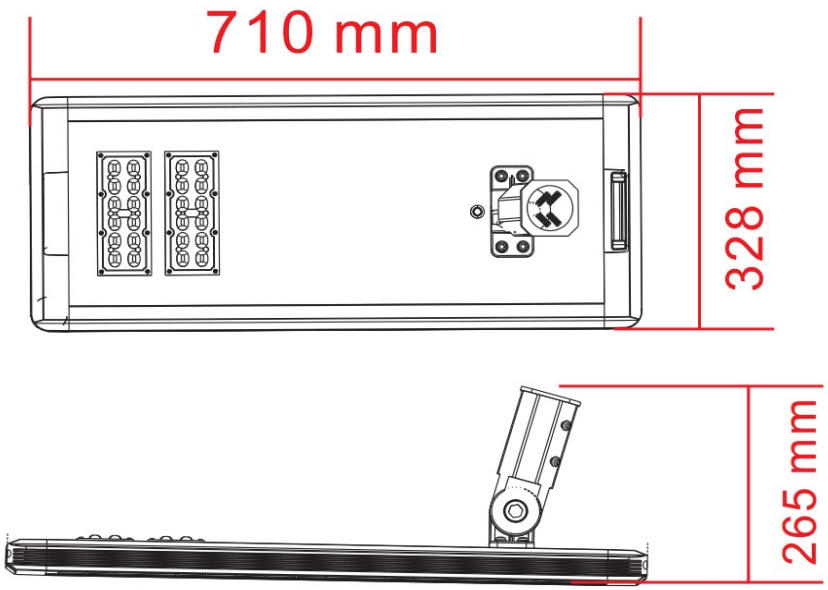
Mounting Height and PIR Profile



Induction range



Product Dimension



370*276mm

610*276mm

800*276mm

3D Photometric Simulation

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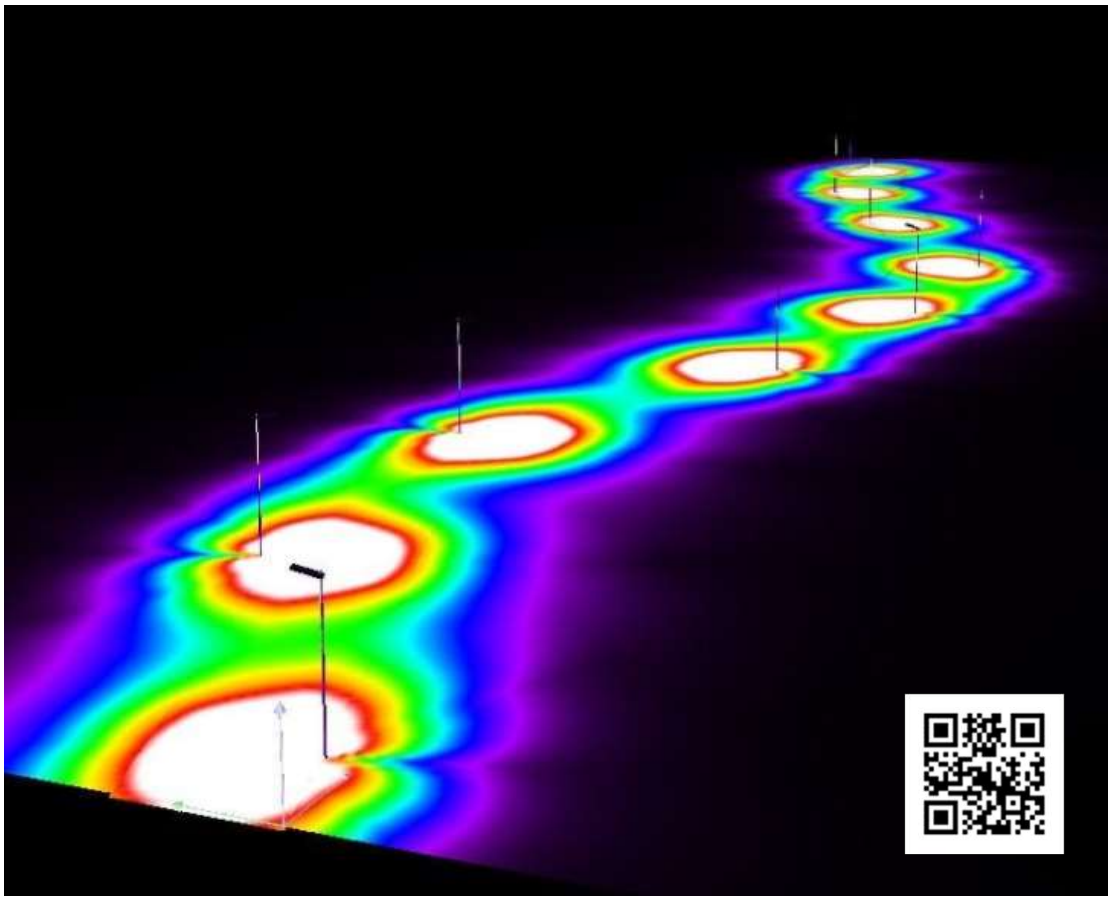
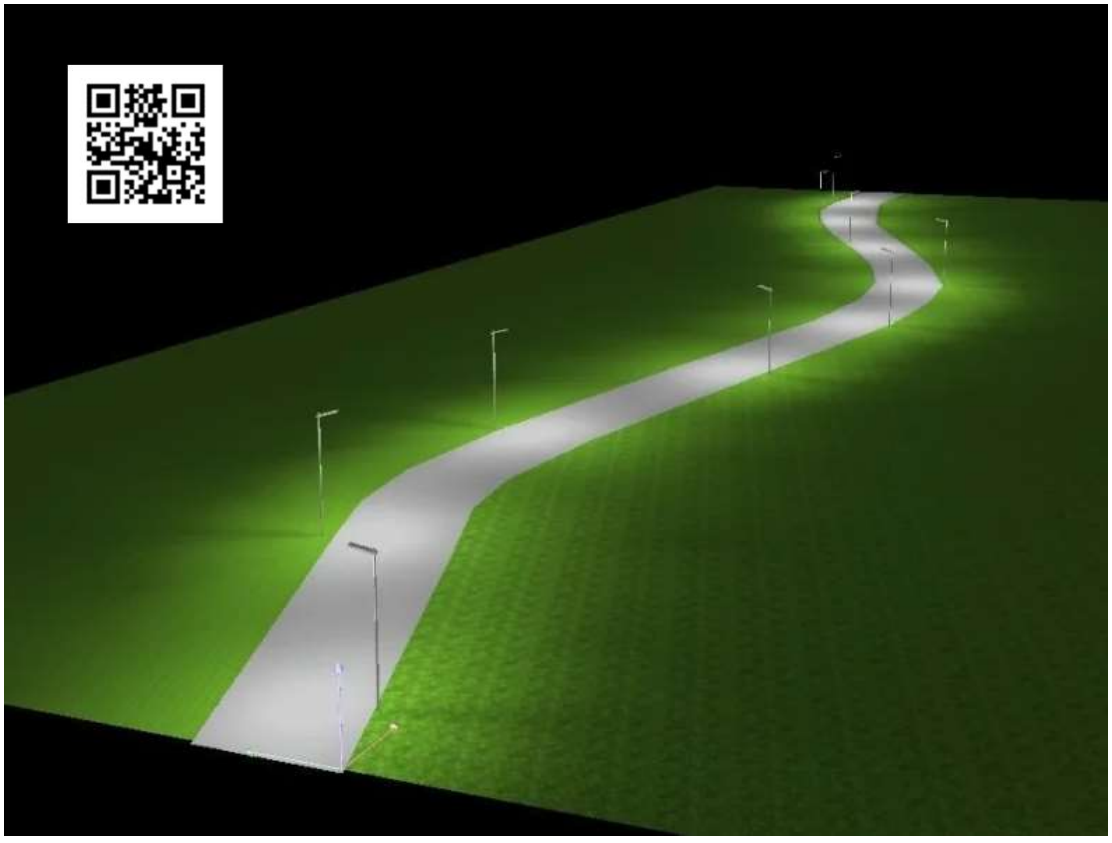
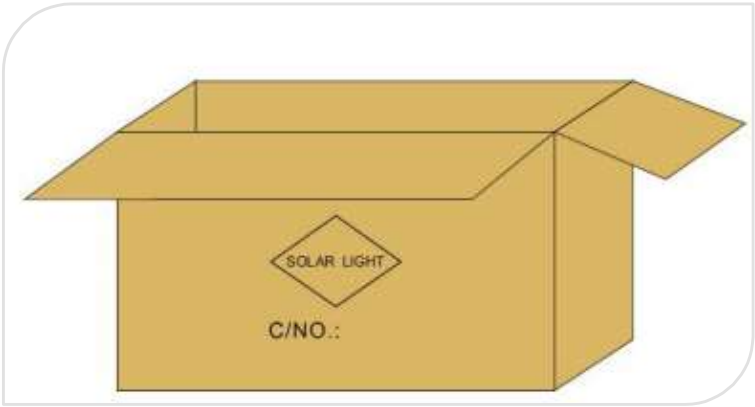




Packing details

Pearl cotton for protection



5-layer corrugated paper

	TDI-48BR	TDI-410BR	TDI-412BR	TDI-416BR	TDI-420BR
Packing details	1) LED Light Package : 52*32*19CM 4.0KG/4.5KG 2) Solar panel package : 115*60*20CM 20KG/21KG 3) Bracket package : 25*19*16CM 2KG/2.5KG	1) LED Light Package : 52*32*19CM 4.0KG/4.5KG 2) Solar panel package : 115*60*20CM 22KG/23KG 3) Bracket package : 25*19*16CM 2KG/2.5KG	1) LED Light Package : 52*32*19CM 4.0KG/4.5KG 2) Solar panel package : 115*60*20CM 22KG/23KG 3) Bracket package : 25*19*16CM 2KG/2.5KG	1) LED Light Package : 60*40*20CM 5.5KG/6.2KG 2) Solar panel package : 115*60*40CM 40KG/42KG 3) Bracket package : 90*60*25CM 7.0KG/7.5KG	1) LED Light Package : 67*40*20CM 6KG/6.8KG 2) Solar panel package : 115*60*40CM 44KG/46KG 3) Bracket package : 90*60*25CM 7.0KG/7.5KG

Wooden package extra cost according to actual COST