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# SOLARTDI

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Nuevas tecnologías

## ALUMBRADO SOLAR INTELIGENTE MONOBLOCK QPP



Diseño ultrafino en  
aleación de  
aluminio



La Tecnología

solo es

Inteligente



cuando es Solar



# Introduction



**01** Main Advantages

**02** Technical specifications

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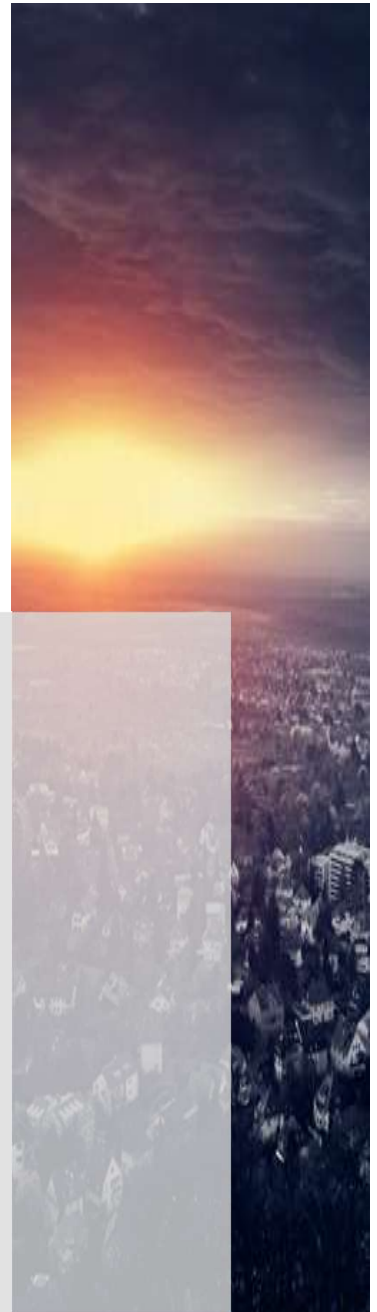
**06** Product Dimension

**07** Mounting Height and PIR profile

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**09** Packing Details

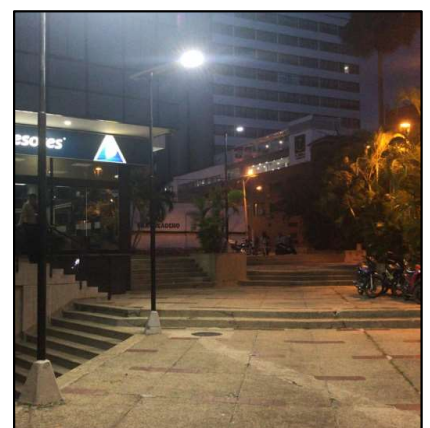
**10** Certificates





## Ultra Thin Design with Long time Antonomy

- © Aluminum Alloy housing , never fade .
- © Oxidation technology , which is suitable for the area which near with sea . Anti-rust , anti corrosion.
- © Extrusion aluminum profile technology
- © Mounting bracket : Strong and wind-resistant
- © Coeus Technology with long time antonomy
- © LED LOGO and fualty indicator
- © Microwave sensor with wide range sensitivity
- © Drawer design for easy replacement of battery and contoller



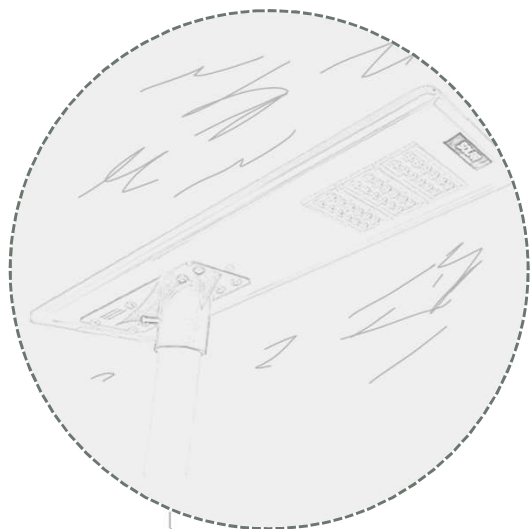
# TECHNICAL SPECIFICATIONS



EX Series	TDI-23	TDI-24	TDI-26	TDI-28
<b>Solar panel</b>				
Mono-crystalline Tempered Glass Solar Panel	43.2W	50W	80W	95W
<b>Led</b>				
CREE LED Number	24pcs >50000H	36pcs >50000H	2pcs COB >50000H	2pcs COB >50000H
LED Module	2	3	2COB	2COB
CREE LED Emitter output (Max on peak)	30W	40W	60W	80W
Efficiency	160lm/w	160lm/w	160lm/w	160lm/w
CREE LED illumination color	6000K	6000K	6000K	6000K
<b>Battery</b>				
Li-ion Battery Pack	3.7V 66AH	3.7V 75AH	3.7V 110AH	3.7V 130AH
Charging Time	8-10hrs by bright sunshine			
<b>Other information</b>				
Product Material	Aluminum alloy case with oxidation technology			
Operation Temperature	-25°C ~ 65°C			
Sensitivity Coverage	(Microwave sensor ) 3-20M			
Lighting time	3-5nights after fully charged			
Working mode	32 lighting mode by remote control (Work with microwave sensor or without)			
Intelligent power management	Yes			
Mounting Adaptor	Inner diameter 60mm , Adjustable	Inner diameter 92mm , Non-Adjustable		
Pole height/distance	3.5-4.5m/ 10-14m	4-5m/ 12-15m	6-8m/ 18-24m	8-10m/ 24-30m
Aux Solar Panel/ DC Adapter	Optional, 16.8V DC/≤5A			
Light Size (L x W )	890*328 mm	1040*328 mm	1115*438 mm	1235*438 mm
IP/IK	65/08	65/08	65/08	65/08
Certificate	CE ROHS FCC ISO9001:2015			
Warranty	3years			



# Product Design Process



**Structure design**



**Assembly work**

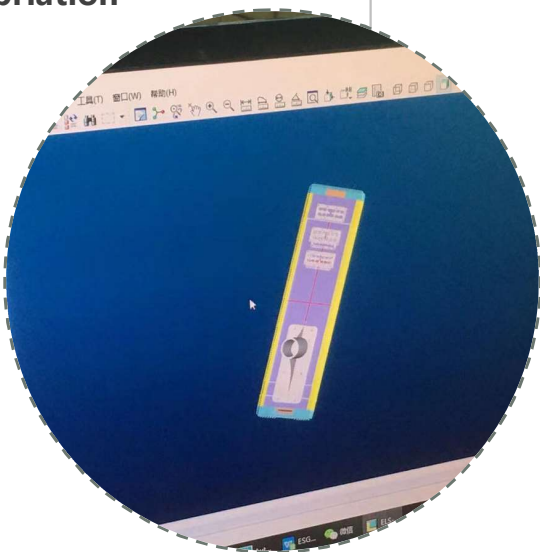
*First Step*

*Second Step*

*Third Step*

*Fourth Step*

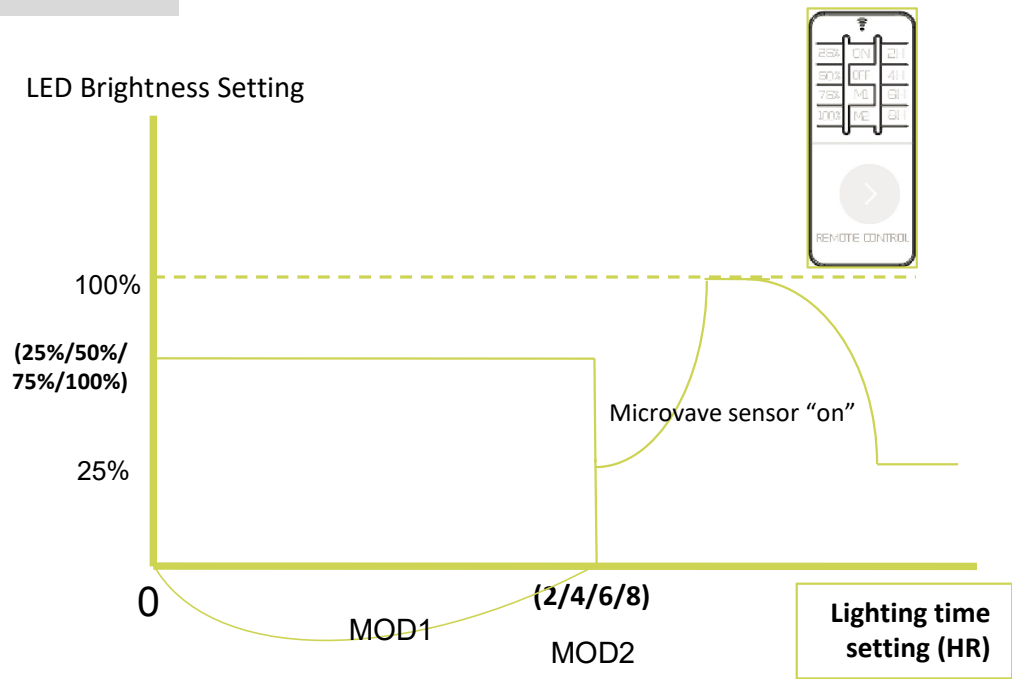
**Design Drawing  
from inspiration**



**Electronic design**



# Working Solutions

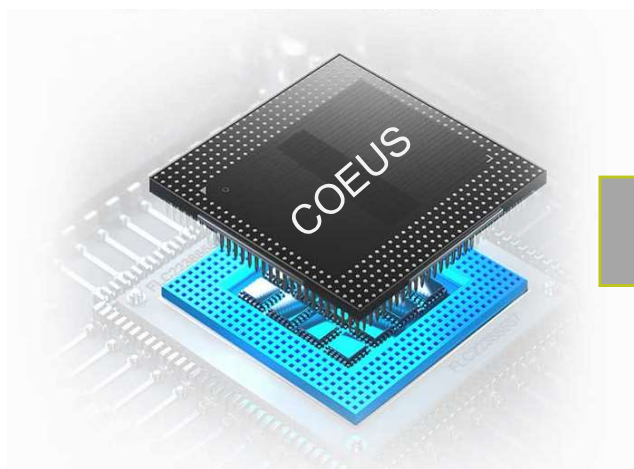


## MOD 1

( **No Microwave sensor work** ) After lighting time finished ,it will be off totally .(16 Kinds Lighting Modes)

## MOD2

( **With microwave sensor work** ) After lighting time finished , it will be enter into microwave sensor working mode .  
Refer Woring Step 4 . (16 Kinds Lighting Modes)



USA  
Chips and  
Program

Intelligent

Self-Detection

Protection Setting

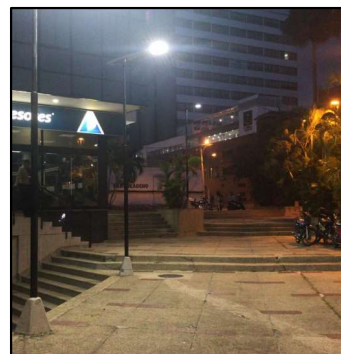
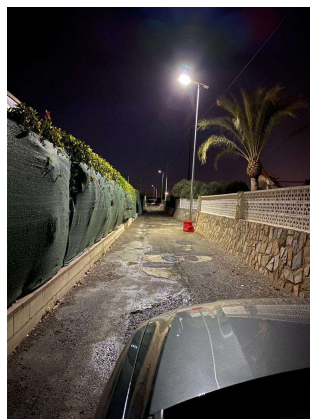
Engergy Saving

Safety

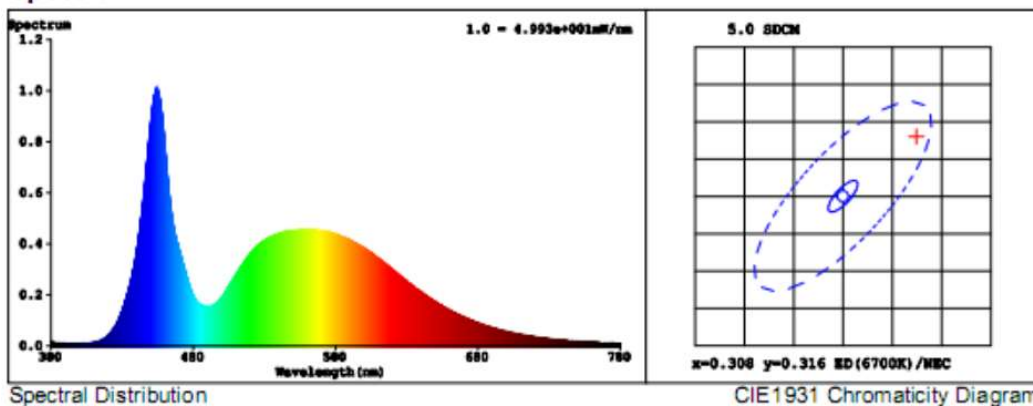
Stabilizing





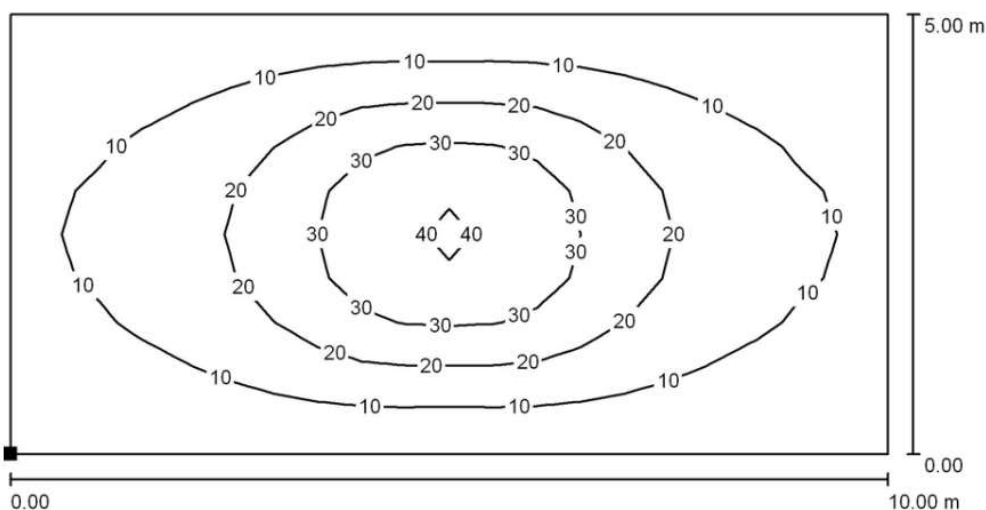


## Spectrum



## Colorimetric Parameters

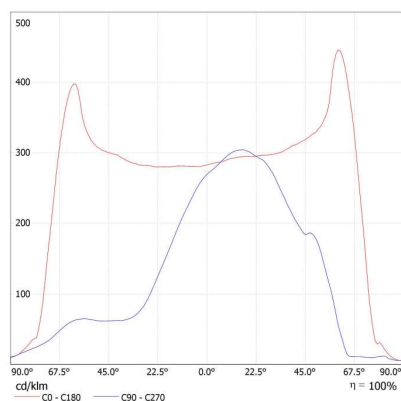
Chromaticity Coordinate:  $x = 0.3154$   $y = 0.3240$  /  $u' = 0.2016$   $v' = 0.4660$  ( $duv = -7.85e-04$ )  
CCT= 6390K Prcp WL:  $\lambda_d = 484.7\text{nm}$  Purity=6.8%  
Peak WL:  $\lambda_p = 454\text{nm}$  FWHM:  $\approx 21.6\text{nm}$  Ratio: R=13.4% G=81.6% B=5.0%



Values in Lux, Scale 1 : 72

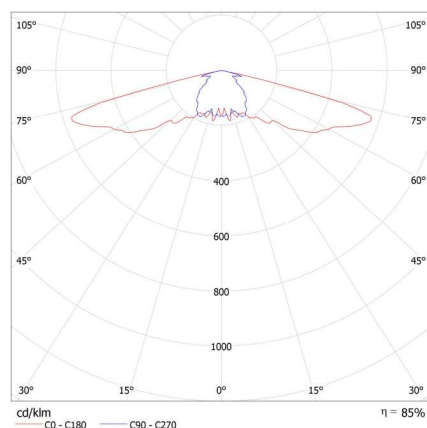
/ LDC (Linear)

Luminaire:  
Lamps: 1 x



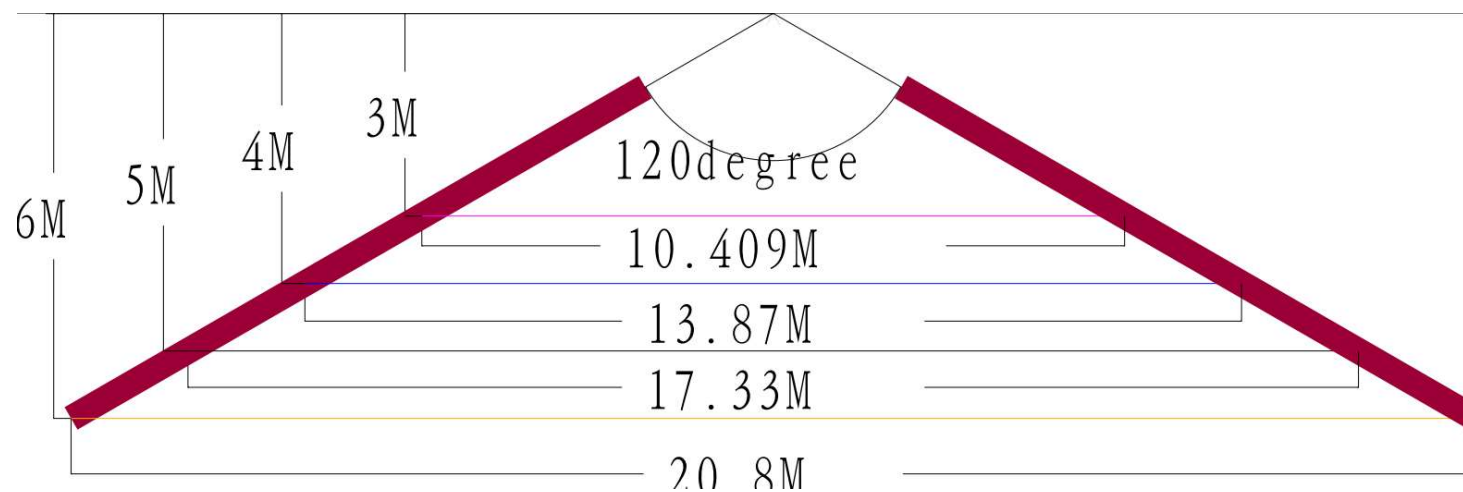
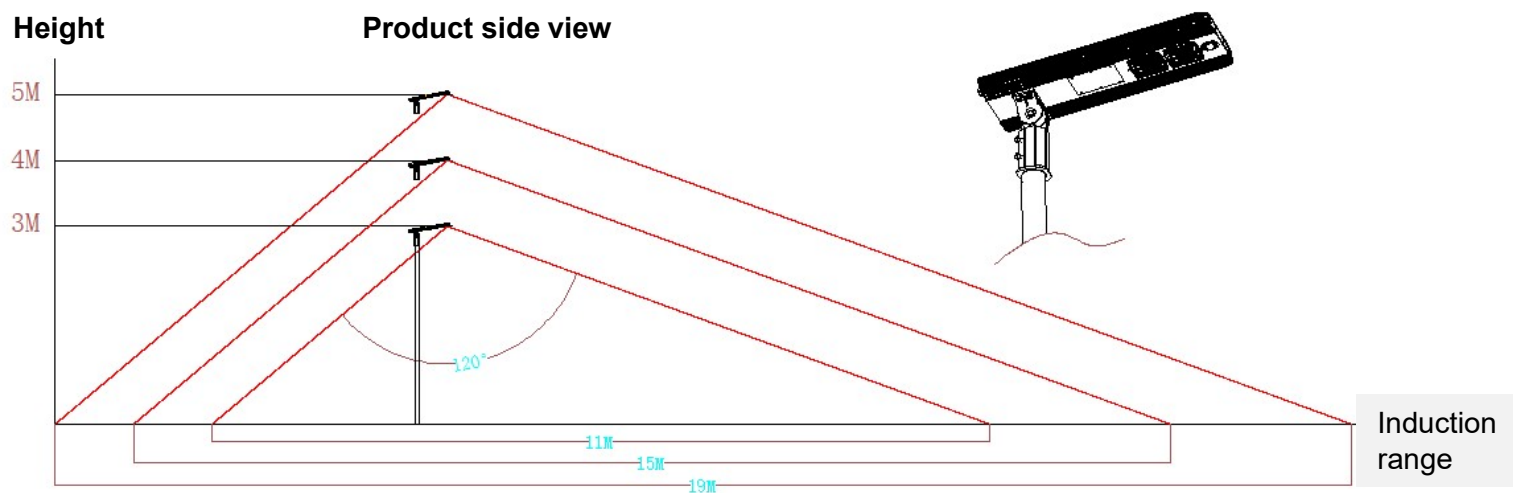
/ LDC (Polar)

Luminaire:  
Lamps: 1 x

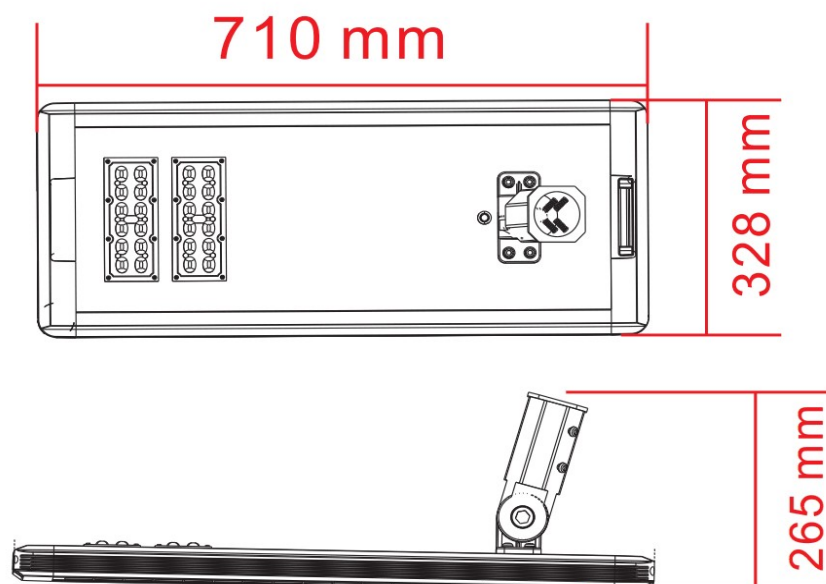




# Mounting Height and PIR Profile



# Product Dimension

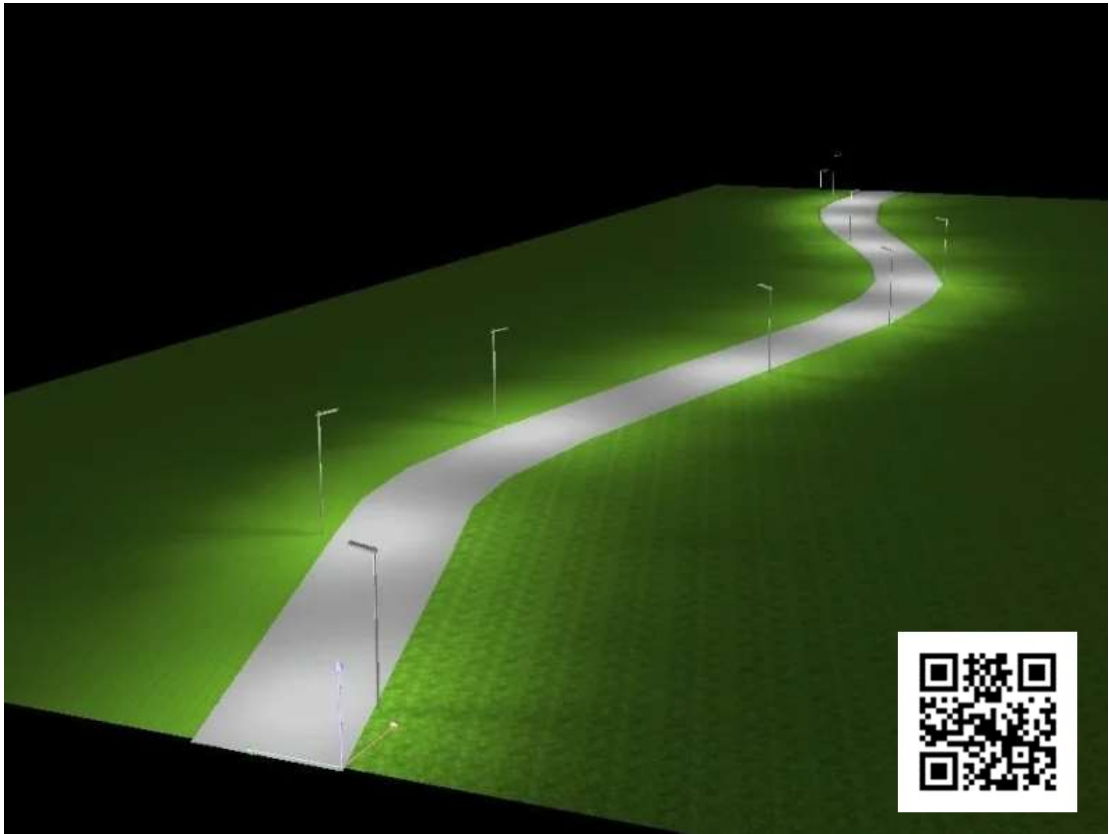
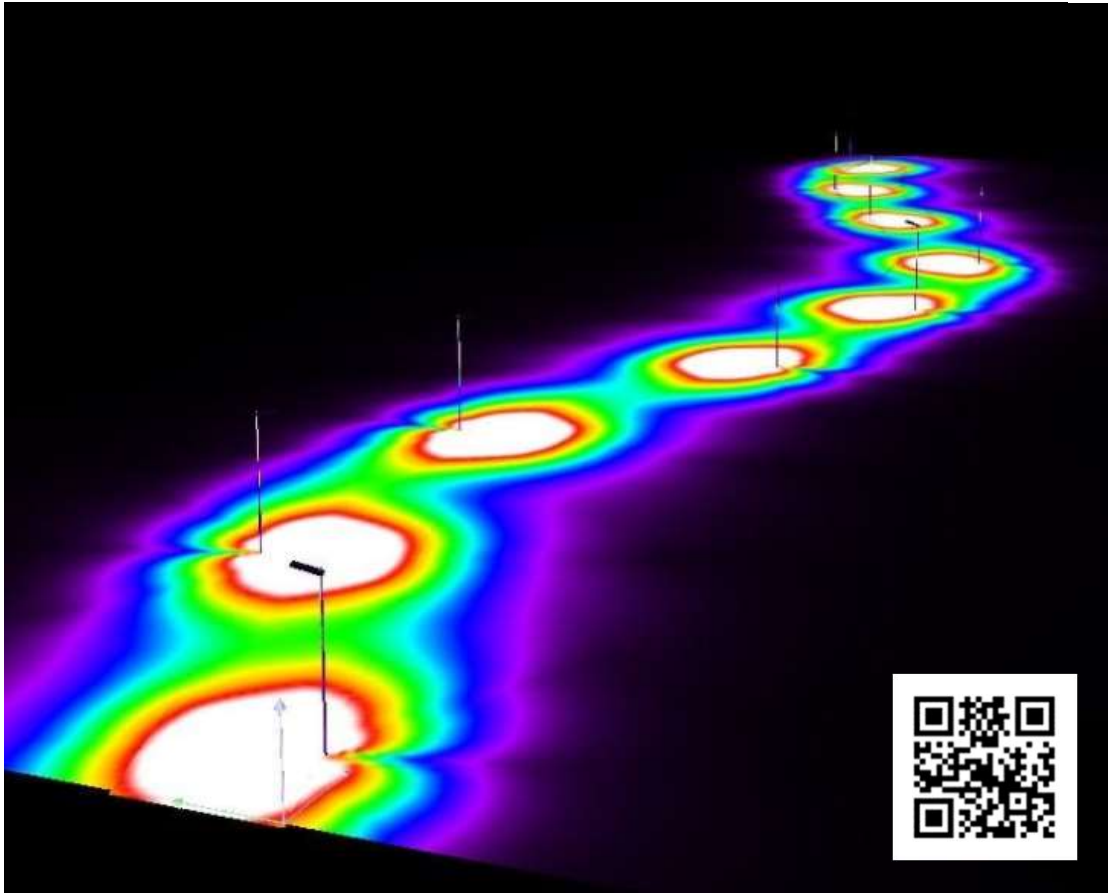


370\*276mm

610\*276mm

800\*276mm



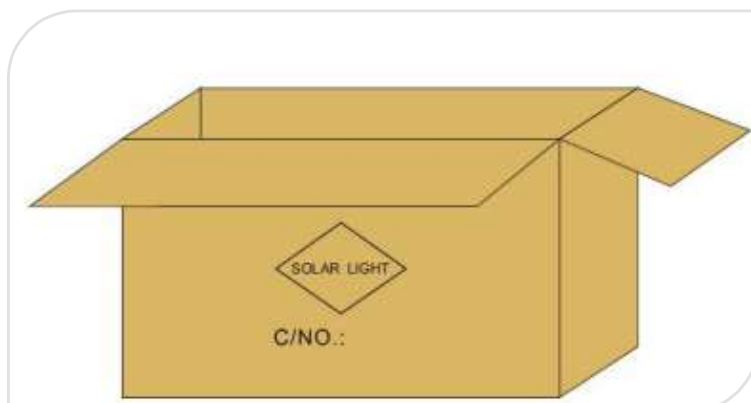




## Packing details



Pearl cotton for protection



5-layer corrugated paper

	TDI-23	TDI-24	TDI-26	TDI-28
Packing details	1PC/CTN	1PC/2CTN	1PC/2CTN	1PC/2CTN
Ctn Size (CM)	100*40*20	112*40*13 42*20*22	122*53*13 42*20*22	135*53*13 42*20*22
Gross weight	10KG	11kg	19.5kg	26.5kg
20GP load	350pcs	350pcs	280pcs	250pcs
40GP load	725pcs	725pcs	570pcs	520pcs
40HQ load	850pcs	850pcs	670pcs	618pcs

