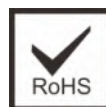


STY SERIES LED Street Light



Light up your life

www.luccalight.com

SPECIFICATION

Street Light Series STY



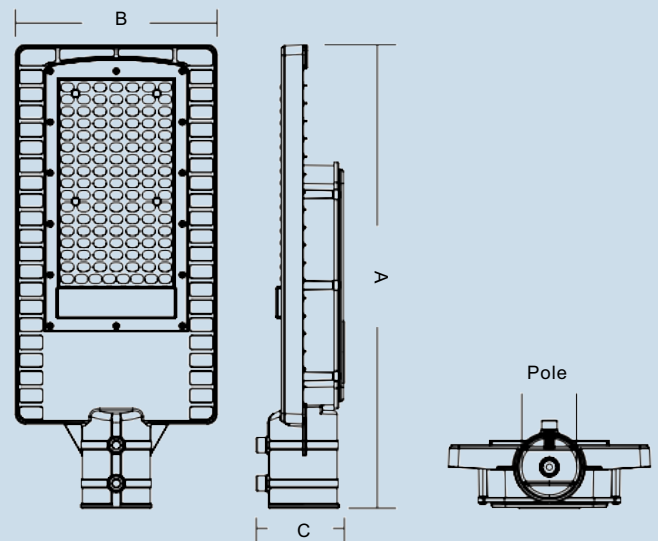
Features

- > The Luminance uniformity of the emitting surface is over 90%.
- > High light output and reduced energy consumption of up to 50%.
- > Wide angle of deflection with even light distribution.
- > No start-up time, no humming.
- > Independent LED circuit prevents complete blackout in case an LED fails.
- > Environmentally friendly, no mercury and no lead.
- > Causes no electromagnetic interference.

Application

- > Street

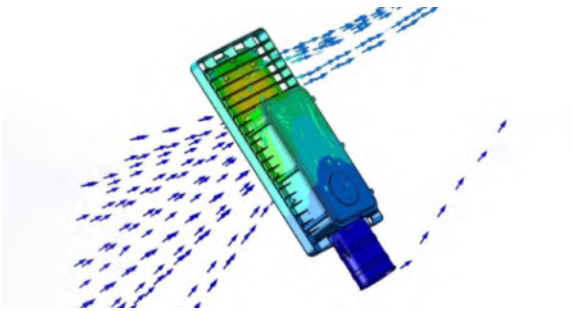
Dimension



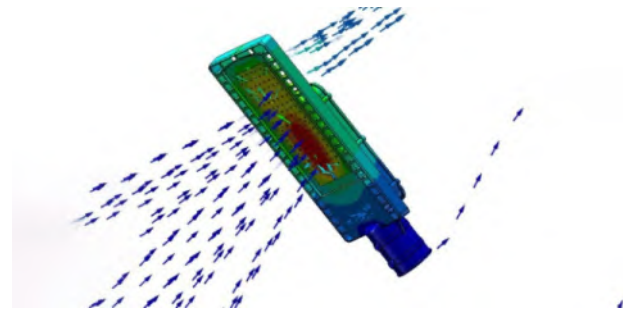
Model	A(mm)	B(mm)	C(mm)	Pole(mm)
LU-STY-30W	351	142	76	40
LU-STY-50W	405	166	79	50/60
LU-STY-100W	484	211	83	60
LU-STY-150W	580	242	83	60
LU-STY-200W	685	300	106	60

THERMAL MANAGEMENT

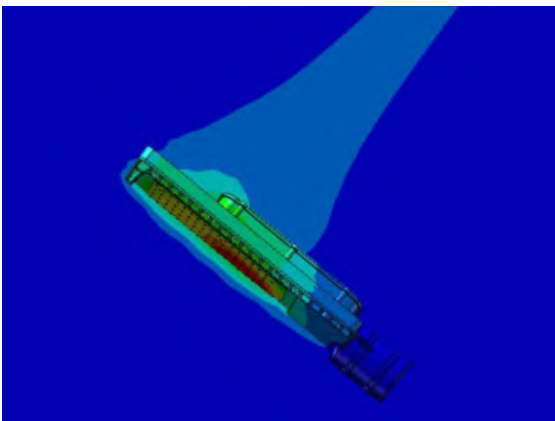
Structure is optimized by advanced FEA technology. Achieving longer lifespan at best cost-efficiency.



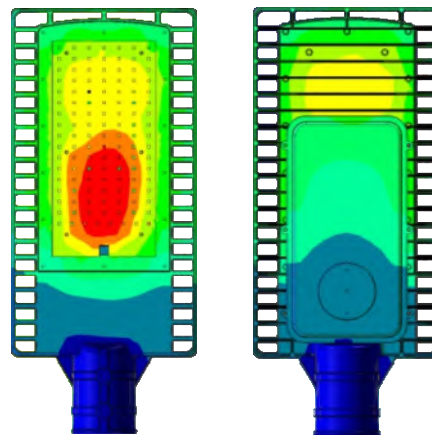
Thermal Air Convection



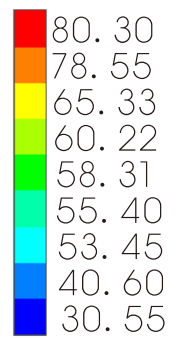
Thermal Air Convection



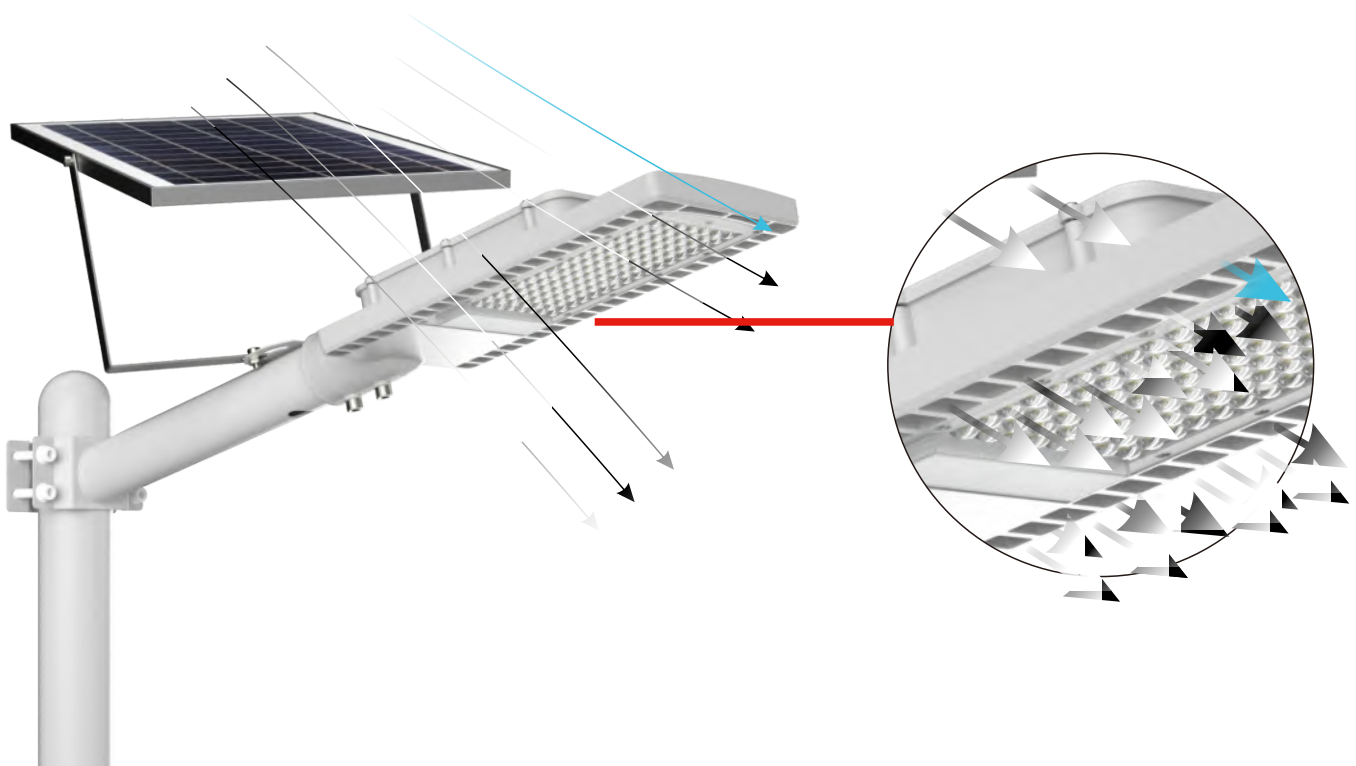
Thermal Effects to Air



Thermal Conductivity



Unit: °C



EXPLODED

Optional with Photocell Sensor

Die-casting Aluminum Housing

Silicon Rubber

Driver Fixed Plate

Aluminum PCB

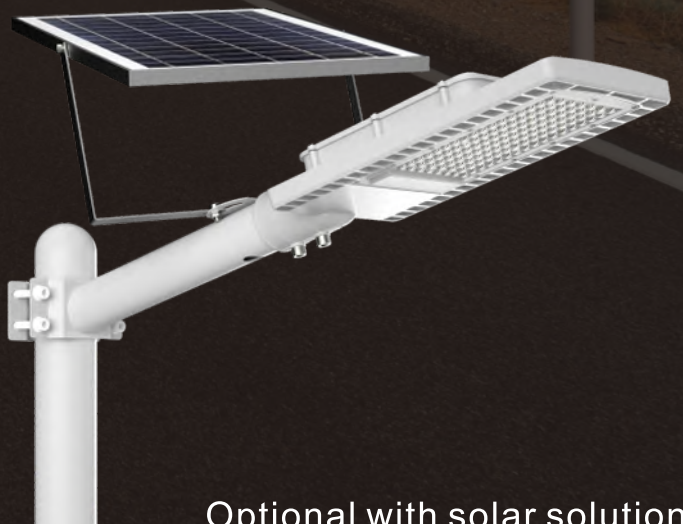
IP65 Waterproof LED Driver

Die-casting Aluminum Housing

2835/3030 SMD LED Chips

Waterproof Silicon Rubber

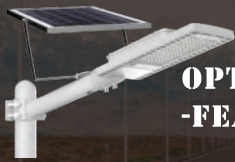
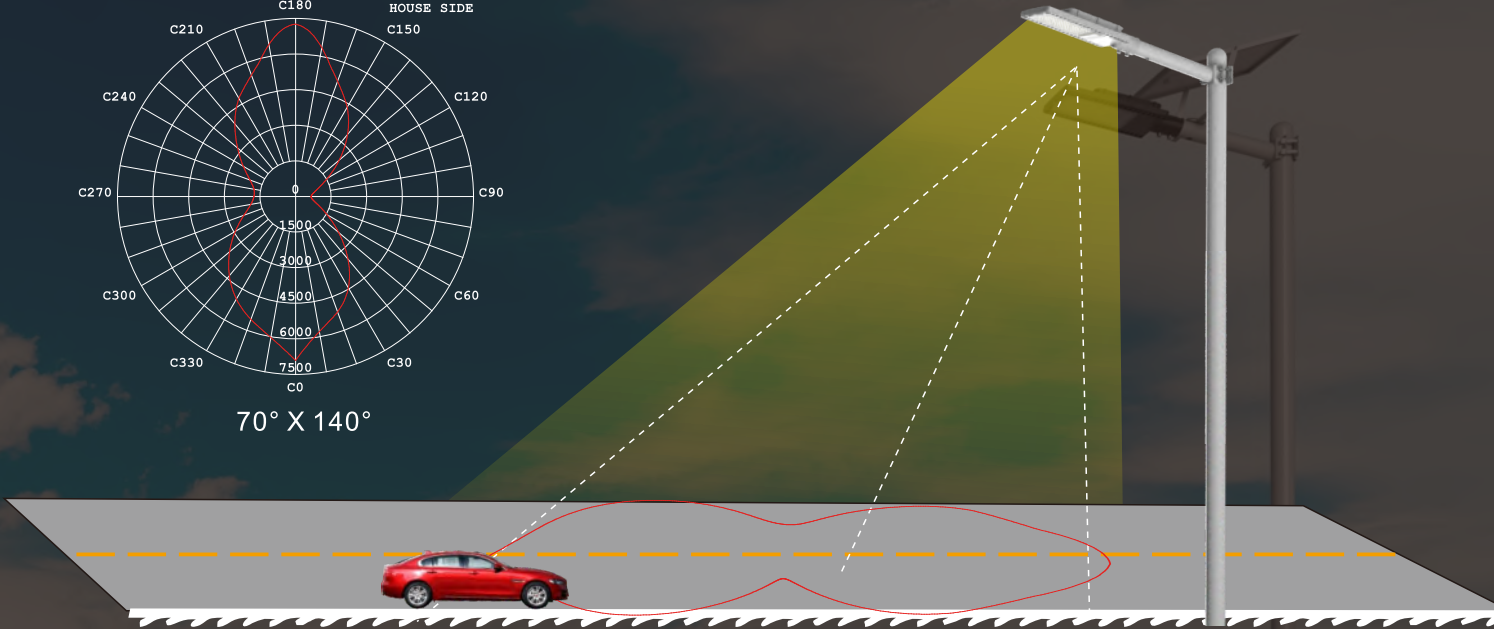
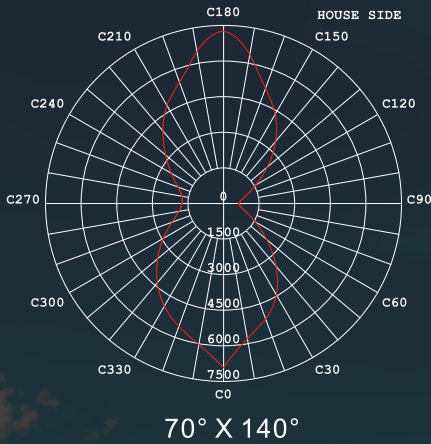
UV-proof PC Optical Lens



Optional with solar solutions

OPTICS

Tech. Support: Tell us the road length, width and pole height. We have engineer team to respond the DIALUX simulations for lights quantity calculation and effects. .ies files are available upon request.



OPTIONAL WITH SOLAR SOLUTIONS -FEATURES BELOW

Lighting Mode: Light Induction + Remote Controller

Auto Working Mode: 0-30 minutes 100% light; then each 3 minutes the light will be darken 1%

Cut-off lighting distribution design
Not Dazzling



Invalid Button

On Switch

Invalid Button

Turn Bright

Half Light Mode

Timing 3 hours, after the light working 3 hours, it will turn off automatically

Timing 8 hours, after the light working 8 hours, it will turn off automatically



Off Switch

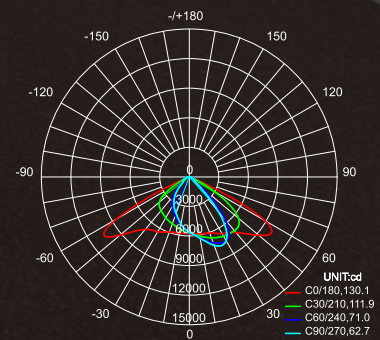
Full Light Mode

Turn Dark

0-30 minutes 100% light, then each 3 minutes the light will be darken 1%

Timing 5 hours, after the light working 5 hours, it will turn off automatically

LIGHTING DISTRIBUTIONS



75° X 160°

PARAMETER



Model No.	LU-STY-30W	LU-STY-50W	LU-STY-100W	LU-STY-150W	LU-STY-200W
Rate Power	30W	50W	100W	150W	200W
LED Qty	30pcs	60pcs	100pcs	180pcs	240pcs
Pole size	φ40mm	φ50/60mm	φ60mm	φ60mm	φ60mm
Lamp Size(mm)	351*142*76	405*166*79	484*211*83	580*242*83	685*300*106
Material	Die-casting aluminum Body + PC Lens				
Finished	Grey / Black				
Chips	Epistar SMD				
Driver	Hahga Driver				
Input Voltage	AC100-277V				
T.H.D.	<15%				
P.F.	>0.95				
Luminous Efficiency	120lm/W / 140lm/W				
Luminous Flux(120lm/W)	3600lm	6000lm	12000lm	18000lm	24000lm
Luminous Flux(140lm/W)	4200lm	7000lm	14000lm	21000lm	28000lm
CRI	>70Ra / >80Ra				
Beam Angle	60/90/120/T2M/T3M/T4M				
IP Level	IP66				
IK Level	IK10				
Input Wire	SJOW17AWGx3C&H05RN-F 1.0m ² (30cm)				
Warranty	3Year (36,000hr) / 5year(50,000hr)				
Optional Function	Photocell / Motion sensor / 0-10V / DALI ...etc				

PACKAGE



Model	Package Size(mm)	Pcs/Ctn	20'GP/pcs	40'GP/pcs	40'HQ/pcs
30W	470*410*375	15	5604	11624	13707
50W	420*365*430	10	4390	8930	10300
100W	525*260*115	1	1812	3687	4250
150W	630*295*115	1	1380	2809	3238
200W	730*350*140	1	805	1638	1888

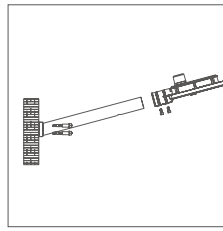
SAFETY PARAMETER

Protection	
Output Short Circuit Protection	Burp,Auto-recover
Output Over-Voltage Protection	
Output Open Circuit Protection	Output Voltage<60Vdc
Over-heat Protection	
Safety Standard	GB19510.1,GB19510.14; EN61347-1,EN61347-2-13; UL8750,CSAC22.2No.250.13-12
Dielectric Strength	P-S:3750VAC/5MA/60s P-E:1500VAC/5mA/60s
Insulation Resistance	I/P-O/P:>50M Ohms / 500VDC/ 25°C /70%RH
Leakage Current	<0.25mA for Class 2 at max Input Voltage
EMI	GB17743,GB17625.1; EN55015,EN61000-3-2,EN61000-3-3,FCCClassB.
EMS	EN61000-4-2,3,4,5,6,8,11,EN61547.
Surge Immunity	6KV
Operating Temperature	-40°C~ 60°C
Operating Humidity	20 ~ 90 %RH
Storage Temperature	-40°C~ 85°C
Storage Humidity	20 ~ 90 %RH

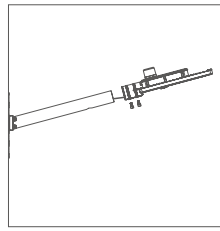
SOLAR LED STREET LIGHT ADVICE

LED Power	Battery	Solar Panel	Real Power	Woring Time
30W	15AH	20W	8-10W	20-24H
60W	20AH	25W	10-12W	20-24H
120W	25AH	30W	15-18W	20-24H
150W	30AH	35W	20-22W	20-24H

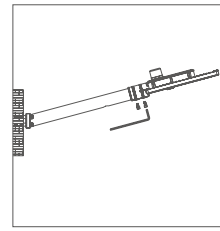
INSTALLATION



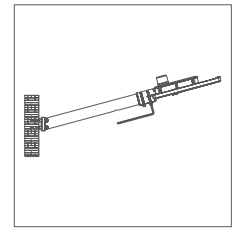
1 Use screws to fix the lamp holder on the wall.



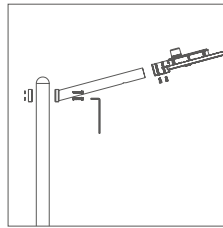
2 Connect wire and put the lamp on the lamp holder.



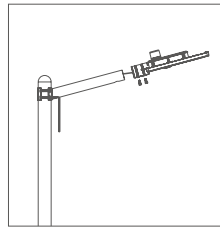
3 Fasten the screws.



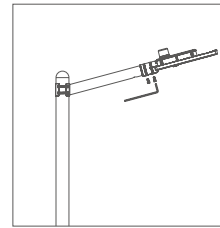
4 Installation completed.



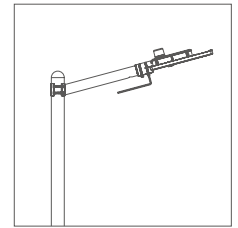
1 Mount the lamp holder on the pole.



2 Connect wire and put the lamp on the lamp holder.



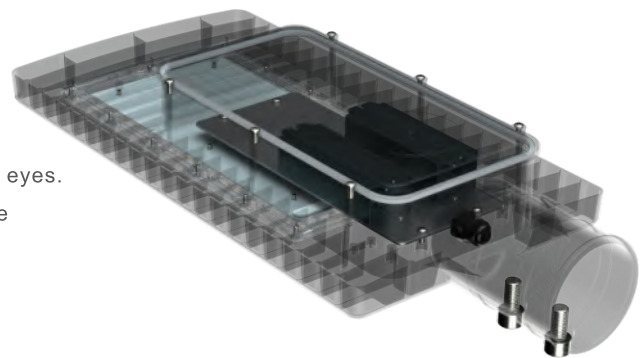
3 Fasten the screws.



4 Installation completed.

CAUTIONS:

1. Installation must be done by professional electricians .
2. Do NOT take apart the product. It may be dangerous.
3. Do NOT stare at the light with naked eyes. It is harmful to eyes.
4. For outdoor lighting, waterproof measurements must be done for the cable terminals.



WARRANTY

1. All LED Street Lights are warranted by the manufacturer to be free of defects in material and workmanship for 3 or 5 years(as per sale contracts).
2. Warranty becomes void if the products is modified, improperly installed or used, damaged by accident or neglect, or if any parts are improperly installed or replaced by the user.
3. During the warranty time, if the products fails at normal environment and applications, we should decide by our own to repair or replace without any charge.