

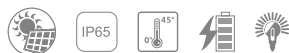
STL-9-I Street Light Series

USER MANUAL



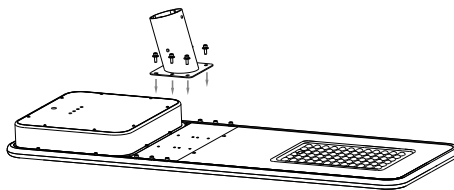
Special Features:

Monocrystalline Solar Panel
Li-ion Rechargeable Battery
Highly Efficient Operation Mode
Material: Aluminum alloy+PC+Plexiglass+PMMA

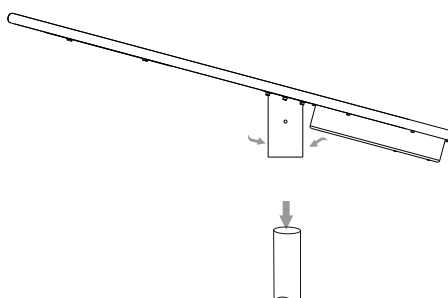


Installation Instructions

1: Fix bracket to the lamp using supplied screws



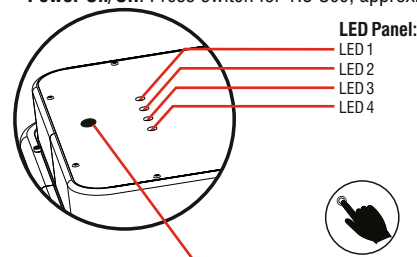
2: Fix lamp to pole using supplied screws



Solar Panel must be oriented toward sun and avoiding any shade for battery charging efficiency

Operation Instructions

Power On/Off: Press switch for 1.5 Sec, approx.



Operation Mode: 100% x 5Hrs + 20% Until dawn

Auto-Cleaning System:

Automatic sweeping. Dust and snow cleaning, 4 times per day

Battery Power Indication (Charging Process):

4 LEDs On: 100% → ● ● ● ●
3 LEDs On+LED 4 flashing: 100% to 80% → ● ● ● ●
2 LEDs On+LED 3 flashing: 80% to 60% → ● ● ● ●
1 LED On+LED 2 flashing: 60% to 30% → ● ● ● ●
LED 1 Flashing: <30% → ● ● ● ●
LEDs flashes slowly

Battery Power Indication (Discharging Process):

4 LEDs On: >80% → ● ● ● ●
3 LEDs On: 80% to 60% → ● ● ● ●
2 LEDs On: 60% to 30% → ● ● ● ●
1 LED On: <30% → ● ● ● ●
LED 1 Flashing: Low Batt. Alarm → ● ● ● ●
LED 1 flashes quickly

Internal Fault Indication:

LED 1 Flashing: Battery Fault → ● ● ● ●
LED 2 Flashing: Solar Panel Fault → ● ● ● ●
LED 3 Flashing: LED Panel Fault → ● ● ● ●
LED 4 Flashing: Power Circuitry Fault → ● ● ● ●

If multiple faults are detected, only the first will be displayed
Fault display will clear after error disappear
When there is an error, Battery Power is not Indicated

TECHNICAL SPECIFICATIONS / ESPECIFICACIONES TECNICAS

STL-9-I	02	04	06	08	10	12
Luminosity / Luminosidad (LM)	2.000	4.000	6.000	8.000	10.000	12.000
SOLAR PANEL / PANEL SOLAR						
Type / Tipo	Monocrystalline / Monocristalino					
Capacity / Capacidad (W)	37.5	37.5	60	60	75	75
Li-Ion BATTERY / BATERIA Li-Ion (14.8 Vdc / 2.6 AH Pc)						
Capacity / Capacidad (WH)	153.92	230.88	346.32	461.76	577.5	692.64
Charge & Discharge Temp. / Temp. de Carga y Descarga	0 to / a 45 °C					
Recharge Time / Tiempo de Recarga (Hrs)	4.5 H	6.7 H	6.3 H	8.4 H	8.4 H	10H
ILLUMINATION / ILUMINACION						
LED (OSRAM)	3030 72pcs	3030 72pcs	3030 144pcs	3030 144pcs	3030 288pcs	3030 288pcs
Light Color Temp. / Temp. de Color de la Luz	4000K, Ra 70+					
Efficiency / Eficiencia	190 lm/W					
OPERATION / OPERACION						
Backup (Cloudy days) / Autonomía (con Poca Luz Solar)	Up to 10 nights / Hasta 10 noches					
Operation Modes / Modos de Operación	100% x 5H + 20% Until Dawn / Hasta Amanecer					
Capacity Indication / Indicador de Capacidad	Discharging all models/Descargando todos los modelos:Charging all models/Cargando todos los modelos:					
	4 LEDs On / Encendidos: > 80%			100%: 4 LEDs On / Encendidos		
	3 LEDs On / Encendidos: 80% to / a 60%			80% to / a 100%: 3 LEDs On/Encendido + LED 4 Flashing		
	2 LEDs On / Encendidos: 60% to / a 30%			60% to / a 80%: 2 LEDs On/Encendido + LED 3 Flashing		
	1 LED On / Encendido: < 30%			30% to / a 60%: 1 LED On/Encendido + LED 2 Flashing		
	LED 1 Flashing: Low Batt Alarm / Alarma de Bat. Baja			<30% LED 1 Flashing/Intermitente		
Alarm Indication LED / LED Indicación de Alarmas	Built-In / Incluido					
IP/IK Codes / Códigos IP/IK	IP65 / IK10					
Directives / Normativas	CE (IEC60598-1 / IEC60598-2-3 / EN55015 / EN61547)					
Inst. Height & Spacing / Altura de Inst. v Separación	3 / 15 m	4 / 18 m	6 / 27 m	8 / 36m	10 / 45m	12 / 54m

WARNING ⚠

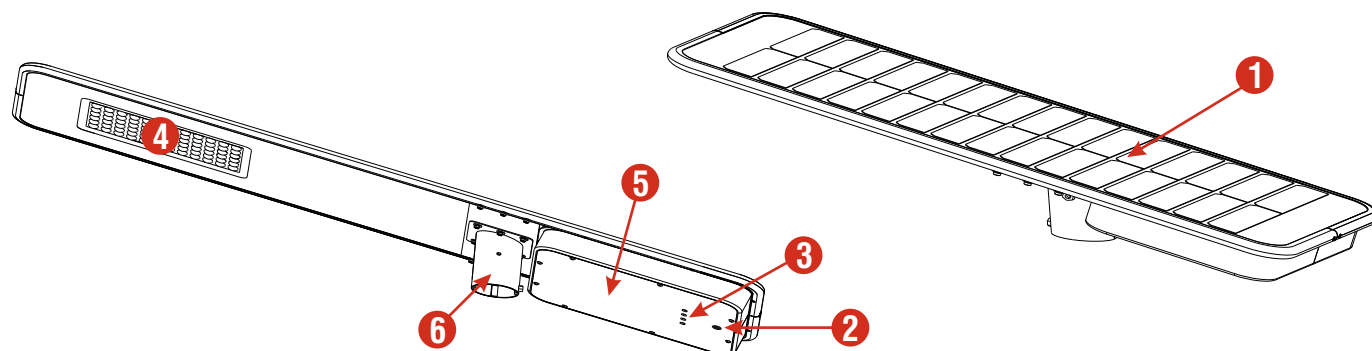
- Keep the device away from fire and fire risk
- There are no replaceable parts in the lamp. If disassembled warranty will be void.
- Do not remove battery for any other use. If backup time is too short, battery pack needs to be recharged under bright sunlight
- Clean solar panel regularly for more efficient operation and longer backup (Suggestion: At least every 6 months)
- Long term storage might cause battery damage and leakage. Leakage might cause battery spontaneous combustion.
- Operation temperature for this lamp must comply with Technical Specifications

IMPORTANT NOTES:

- Use standard installation accessories
- If stored, charge the lamp every 3 months, to avoid battery damage
- If stored for more than 1 year without charging, make a charge & discharge process to assure battery is in good condition, otherwise it is not allowed to use.

CE RoHS

Detailed View / Vista Detallada



Parts ID / Identificación de Partes

1. Solar Panel / Panel Solar	4. LED Lamp / Lámpara LED
2. Switch / Interruptor	5. Battery Pack / Baterías
3. Indicator LEDs / LEDs Indicadores	6. Bracket / Soporte

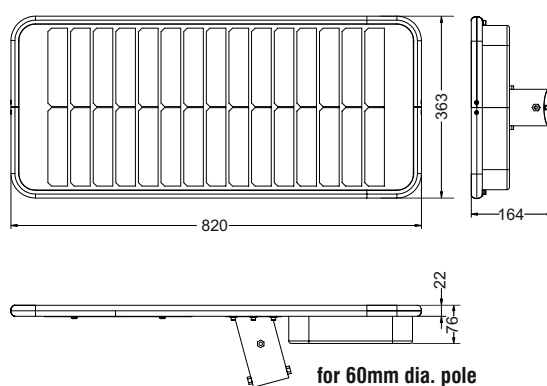
Packing Information / Información de Empacado:

Model / Modelo	Pcs x Box Pzs x Caja	Boxes x Carton Cajas x Cartón	Dimensions / Dimensiones (mm)		Carton Weight / Peso Cartón (Kg)	
			Box / Caja	Carton / Cartón	Net / Neto	Gross / Bruto
STL-9-I-02 / 04	1	1	913 x 158 x 443	915 x 160 x 445	7.8	9.1
STL-9-I-06 / 08	1	1	1138 x 158 x 443	1140 x 160 x 445	10.5	12
STL-9-I-10 / 12	1	1	1372 x 158 x 445	1374 x 160 x 447	13.5	15
Bracket / Soporte	1	8	15.5 x 13 x 12	32.5 x 27.5 x 26	5.2 (1 Pz= 0.65)	6.4 (1 Pz= 0.8)

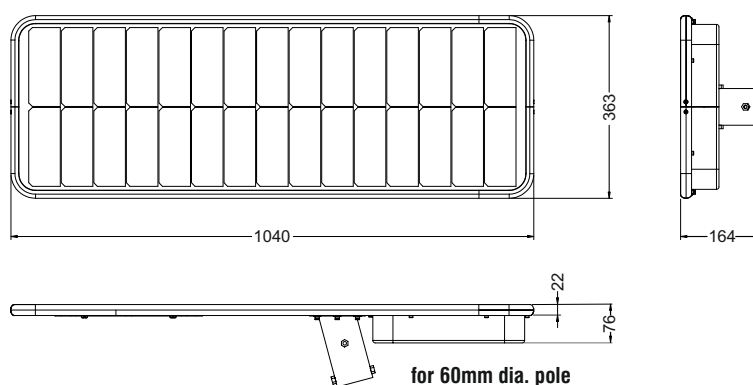
Net and Gross weight information is for reference purposes only / La información de pesos Neto y Bruto, es solo referencial

Dimensions / Dimensiones

Models / Modelos: 02 / 04



Models / Modelos: 06 / 08



Models / Modelos: 10 / 12

