








SORAA/SSL-EY632-TIO LED SOLAR STREET LIGHT SERIES

ELAP

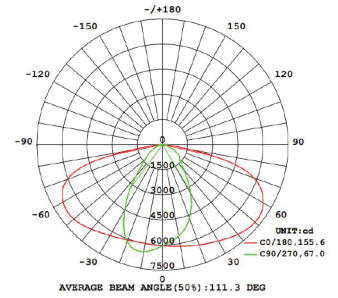
FEATURES

-  **LED Lighting**
Powerful and energy saving.
-  **100% Solar-Powered**
Solar panels with high-efficiency monocrystalline solar cells.
-  **Stable & Durable Housing**
Battery centralized the housing weight comes with the durable support arm.
-  **High LED Efficiency**
Trusted and high-power LED lumen output up to 180lm/W.
-  **Lithium-ion Phosphate Battery**
Long lasting, maintenance-free, high capacity batteries.
-  **No PIR Motion Sensor (JKR Spec)**
Sufficient light output avoid disruption by moving objects.
-  **Smart Solar (Optional)**
Attach communication hardware to build the smart city.

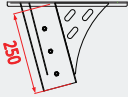


CE L-S20 COMPLIANCE

PHOTOMETRIC



POST TOP MOUNTING DIAMETER & POLE HEIGHT

| Model | 30W | 60W | 80W | 120W | 150W |
|---|--|--------|--------|----------|--------|
| Recommended Post Top, OD Standard Pole Diameter (Ø mm)* | 70~78 | 70~78 | 70~78 | 90~102 | 90~102 |
| Recommended Pole Height (m) | 5 to 6 | 7 to 8 | 7 to 8 | 10 to 12 | 12 |
| Pole Insert Depth, d (mm) | d = 250mm  | | | | |

* Other non-standard customized adaptor with different pole diameter subjected to additional charge & availability.



Bera, Pahang



Sungai Besar, Selangor

PRODUCT TECHNICAL DATA



| Model | EY632-30W | EY632-60W | EY632-80W | EY632-120W | EY632-150W |
|---|--|--|--|--|--|
| Wattage (W) | 30W | 60W | 80W | 120W | 150W |
| Lumen Output (lm) ±10% | 5,400lm | 10,800lm | 14,400lm | 21,600lm | 27,000lm |
| Lumen per watt ±5% LPW @ 3500K | 180 lm/W | 180 lm/W | 180 lm/W | 180 lm/W | 180 lm/W |
| Solar Panel (Wp) | 80Wp | 130Wp | 160Wp | 240Wp | 300Wp |
| Estimated Solar Charging Time (Hrs) | 2.85 hours | 3.5 hours | 3.8 hours | 3.8 hours | 3.8 hours |
| Battery Capacity (Wh) | 614.4Wh | 1152Wh | 1536Wh | 2304Wh | 2918Wh |
| LiFePO ₄ Battery Voltage (V) | 12.8V | 12.8V | 25.6V | 25.6V | 25.6V |
| LiFePO ₄ Battery Capacity (Ah) | 48Ah | 90Ah | 60Ah | 90Ah | 114Ah |
| Daily Consumption (Wh) | 228Wh | 456Wh | 608Wh | 912Wh | 1140Wh |
| Solar System Voltage (V) | 12V | 12V | 24V | 24V | 24V |
| Days of Autonomy (Min Days) | > min 2 days | > min 2 days | > min 2 days | > min 2 days | > min 2 days |
| Fixture Dimension (mm) (L) x (W) x (H) | 970 x 480 x 58 | 1530 x 486 x 97 | 1540 x 605 x 97 | 1850 x 700 x 97 | 1849 x 845 x 125 |
| Panel Size (mm) (L) x (W) | 959 x 456 | 1520 x 460 | 1530 x 580 | 1836 x 675 | 1840 x 820 |
| Fixture Carton Size (L) x (W) x (H) | 1020 x 545 x 140 | 1580 x 545 x 140 | 1590x 670 x 140 | 1905 x 760 x 140 | 1888x 899 x195 |
| Adapter Carton Size (L) x (W) x (H) | 470 x 270 x 280 | 470 x 270 x 280 | 470 x 270x 280 | 470x 370x 300 | 350 x 280x 350 |
| Net Weight (kg) (Fixture + Adaptor) | 18.20kg 14.25kg (Fixture) 3.95kg (Adaptor) | 30.25kg 26.30kg(Fixture) 3.95kg (Adaptor) | 36.50kg 32.10kg (Fixture) 4.40kg (Adaptor) | 50.25kg 44.70kg (Fixture) 5.55kg (Adaptor) | 60.55kg 55.60kg (Fixture) 4.95kg (Adaptor) |
| Gross Weight (kg) (Fixture + Adaptor) | 20.55kg 16.00kg (Fixture) 4.55kg (Adaptor) | 32.95kg 28.40kg (Fixture) 4.55kg (Adaptor) | 39.75kg 34.80kg (Fixture) 4.95kg (Adaptor) | 54.88kg 48.45kg (Fixture) 6.43kg (Adaptor) | 64.88kg 59.40kg (Fixture) 5.48kg (Adaptor) |
| CBM (m ³) | 0.078 | 0.121 | 0.149 | 0.203 | 0.195 |
| Adapter 2pcs Carton Net Weight (kg) | 8.50kg | 8.50kg | 9.35kg | 11.98kg | 10.43kg |
| Adapter ID (mm) | 83 | 83 | 94 | 108 | 104 |

Note 1: The above specified lumen and system efficacy based on standard CCT: 3000~3500K, Ra>70.

Note 2: All model **fulfil JKR L-S20 requirement**. No motion sensor required, with > 2 autonomy days (overcast / rainy days).

Note 3: Glass frame version (EMAL) available upon request. lm/W will be reduced.

Note 4: Customized adaptor available upon request with additional charge. (Customer must confirm size before purchase order).

APPLICATIONS

- Rural & Remote Area
- Coastal Area & Jetties
- Security & Area Lighting
- Residential & Industrial Area
- Major Road

COMPLIANCE

LUMINAIRES

- IEC 60598-2-3
- IEC 60898-1
- IEC 62471
- IES LM-79

LED CHIP

- IES LM-80

SOLAR PV MODULE

- IEC61215-2

SOLAR CHARGE CONTROLLER

- IEC 62109-1

BATTERY

- IEC 62133-2
- IEC 62619

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Official Website: : www.eyelightingasia.com (ASEAN), www.eyelighting.co.jp (Japan)