

ZX100 SERIE

COMMERCIAL SOLAR LED LIGHTING SYSTEM



PHILIPS
LUMILEDS



The **ZX100** solar lighting system is the most advanced on the market. Ideal for **community mailboxes lighting, parking lots, public parks and pathways**. It integrates a solar module, a battery, and a smart controller all paired with the latest Philips LED lighting technology in a simple and compact design. Installation is therefore easy, quick and secure.

The **ZX100** offers several operating profiles to meet different needs. Light intensity can be dimmed when full power is not required to increase operating hours. Operating profiles can be easily modified thanks to the built-in wireless communication.

FEATURES & BENEFITS

- Solar powered commercial lighting solution;
- Automatic activation at sunset and/or before sunrise;
- Dimming options for longer operation;
- 6 days autonomy without sunlight;
- Wireless communication;
- Flexible operating profiles according to your needs, modifications via remote control.

- No power cables, no trenching;
- > 100 000hrs Philips maintenance free LED operation;
- Easy battery replacement access door;
- Powder coated aluminium housing;
- Quick, easy and safe installation.

APPLICATIONS

- Parking lots;
- Community Mailboxes;
- Public parks;
- Walking paths;
- Bicycle paths;
- Boardwalks;
- Bus shelters;
- Remote areas.



MANUFACTURED BY:

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CERTIFICATIONS



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LIGHTING SPECIFICATIONS		zX100 Solar Lighting System	
Philips Lumileds lumen/Watt		175lm/W	
Luminaire Power (Watt)		15 W	
Lumens (lm)		2625 lm	
Dimming / Programmable		Yes, see "Operating Profile" document for details.	
Light Distribution Type		2M, 3M and 5S	
Color temperature (°K)		4000°K, 3000°K	
CRI (Color Rendering Index)		70	
LED Lifespan		> 100 000 hours	
Recommended mounting height - ft (M)		10 to 18ft (3 to 5,5 meters)	
Recommended spacing factor		6 x Mounting Height	
Operation		Hours of operation can be divided between evening and morning (before sunrise). The light intensity can also be dimmed. Operating profiles can be modified via remote control, sold separately.	
SOLAR SYSTEM SPECIFICATIONS			
Solar Module (Watt)		95W	
Battery Bank Capacity (Ah)		74Ah @12Vdc (888Wh)	
Battery type		Deep Discharge GEL (Made in USA)	
Battery Overcharge/Discharge protection		YES	
Autonomy (number of days without sunlight)		6 days, with a fully charged battery	
Operating temperature range		-40°C +70°C	
MECHANICAL SPECIFICATIONS			
Solar System mounting		Top of pole installation, Pole maximum outer diameter: 5" (127mm), Square , (pole not included)	
Luminaire mounting		Horizontal tenon, 2-3/8"Ø dia. (included)	
Unit Weight - lb (Kg) (EPA)		107lb (48.7 Kg) (EPA = 4.75ft ²)	
WARRANTY & CERTIFICATIONS			
Warranty		Solar Module: 25 years Controller: 10 years Batterie: 5 years (prorata) Light Fixture: 10 years	
Certifications		Controller : CE compliant, UL listed to UL1741 and CSA C22.2 No. 107.1-16 UL listed to ANSI/ISA 12.12.01-2015 and CSA C22.2 No. 213-15 Light fixture : CE, UL, cUL, DLC, LM79, LM80	

