

# ZX100 SERIE

## COMMERCIAL SOLAR LED LIGHTING SYSTEM



PHILIPS  
LUMILEDS



LM-79  
LM-80

IP66  
IK08



CE CB

RoHS  
Compliant



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 <b>GEL</b> (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: <b>5” (127mm), Square</b> , (pole not included)
Luminaire mounting	Horizontal tenon, <b>2-3/8”Ø dia.</b> (included)
Unit Weight - lb (Kg) (EPA)	107lb (48.7 Kg) (EPA = 4.75ft²)
WARRANTY & CERTIFICATIONS	
Warranty	Solar Module: 25 years Controller: 10 years Batterie: 5 years (prorata) Light Fixture: 10 years
Certifications	<b>Controller</b> : 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 <b>Light fixture</b> : CE, UL, cUL, DLC, LM79, LM80

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### ZX100 ORDERING CODE

Serie	OPERATING PROFIL SELECTION	*Morning Mode	Color Temperature (°K)	Light Distribution type	Sleeve pole shape	Color
<b>ZX100</b>	Luminaire nominal power = <b>15W</b> = 2625 lumens					
	<b>A</b> = Dusk 4h at 100%, then OFF	<b>N</b> = NO	<b>3000</b> = 3 000°K	<b>T2</b> = Type 2M	<b>SQ</b> = Square 5"x5"	<b>BK</b> = Black
	<b>B</b> = Dusk 8h at 50%, then OFF	<b>Y</b> = YES	<b>4000</b> = 4 000°K	<b>T3</b> = Type 3M		<b>SM</b> = Custom
	<b>C</b> = Dusk to Dawn at 30% (16h max)			<b>T5</b> = Type 5S		
	<b>D</b> = Dusk 2h at 100% + 8h at 30%					
	<b>E</b> = Dusk 3h at 100% + 5h at 30%					
	<b>SM</b> = Custom					

Example: **ZX100-15W-A-N-4000-T3-SQ-BK** ( **ZX100** - **15W** - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ )

\*Note : Morning mode, 1 hour from the evening segment will be transferred to the morning segment (1 hour of lighting before sunrise).

### ACCESSORIES SOLD SEPERATLY

DESCRIPTION	PART NUMBER	NOTES :
ELLIPTICAL POLE ARM, 2 FT LENGHT	<b>#RE2MA</b>	Otherwise, a standard side of pole tenon is provided for the luminaire installation. See <i>Installation Guide</i> for details. (EPA = ZX + 1.5pi²)
ARTICULATED TENON ± 20 DEGREES	<b>#TENART20</b>	Allows light redirection.
REMOTE CONTROL	<b>#RC01</b>	Not required for system installation and operation

Contact us to determine which product suits your needs and specific location or for customized solutions. These data are based on the worst month of the year according to the mean daily global insolation provided by Natural Resources Canada for Montreal with solar module facing south.



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**CERTIFICATIONS**

