

ZX60 SERIE

COMMERCIAL SOLAR LED LIGHTING SYSTEM



PHILIPS
LUMILEDS



The **ZX60** 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 **ZX60** 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

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



MANUFACTURED BY:

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CERTIFICATIONS



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LIGHTING SPECIFICATIONS	zX60 Solar Lighting System
Philips Lumileds lumen/Watt	175lm/W
Luminaire Power (Watt)	11 W
Lumens (lm)	1925 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)	8 to 16ft (2,5 to 4,85 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 Power (Watt)	63W
Battery Bank Capacity (Ah)	40Ah @12Vdc (480Wh)
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, Pole maximum outer diameter: 4" (102mm), Square or Round , (pole not included)
Luminaire mounting	Horizontal tenon, 2-3/8"Ø dia. (included)
Unit Weight - lb (Kg) (EPA)	68lb (31 Kg) (EPA = 2.75ft 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

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ZX60 ORDERING CODE

Serie	OPERATING PROFIL SELECTION	*Morning Mode	Color Temperature (°K)	Light Distribution type	Sleeve pole shape	Color
ZX60	Luminaire nominal power = 11W = 1925 lumens					
	A = Dusk 4h at 100%, then OFF	N = NO	3000 = 3 000°K	T2 = Type 2M	SQ = Square 4"x4"	BK = Black
	B = Dusk 8h at 50%, then OFF	Y = YES	4000 = 4 000°K	T3 = Type 3M	RD = Round 4"	SM = Custom
	C = Dusk to Dawn at 20% (16h max)			T5 = Type 5S		
	D = Dusk 2h at 100% + 6h at 30%					
	E = Dusk 3h at 100% + 3h at 30%					
	SM = Custom					

Example: **ZX60-11W-A-N-4000-T3-SQ-BK** (**_ZX60_** **_11W_** **_** **_** **_** **_** **_** **_** **_** **_**)

*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
ARTICULATED TENON ± 20 DEGREES	#TENART20	Allows light redirection.
REMOTE CONTROL	#RC01	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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