

LX50 SERIES

INTELLIGENT SOLAR LIGHTING PHILIPS LUMILEDS



for public parks, walking paths, bicycle paths and remote areas.



The **LX SERIES** solar LED lighting fixture combines the latest in LED lighting technology from Philips Lumileds, infrared motion sensor, solar module and battery into a single compact and stylish housing. There is no wiring or electrical connections. Installation is fast, easy and secure.

The **LX50-DIM** models operate at different light intensities depending on the traffic and the time of night. For the first portion of the night, the lights turn on automatically at low intensity thus providing basic lighting. The light intensity changes to high intensity when a presence is detected. The *Morning Mode* allows the light to be reactivated early in the morning before sunrise when this option is selected.

The **LX50-DS** models operate on occupancy sensing only. The light intensity is always at full power on detection. The *Morning Mode* also allows the light to be reactivated early in the morning before sunrise when this option is selected.

FEATURES & BENEFITS

- Solar powered commercial lighting solution;
- All-in-one design;
- Dimming options for longer operation;
- Automatic activation at sunset and/or before sunrise;
- Integrated 360° PIR presence detector;
- Wireless communication;
- Flexible operating profiles according to your needs, modifications via remote control, sold separately.
- No power cables or wiring needed;
- >100 000hrs Philips maintenance free LED operation;
- Easy battery replacement access door;
- Powder coated aluminium housing;
- Quick, easy and safe installation.

APPLICATIONS

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



MANUFACTURED BY:
SOLAR VISION INC.
www.solar-vision.ca
info@solar-vision.ca
T. 1-819-729-0450



CERTIFICATIONS



Révision: 2.6

LX50 SERIES

INTELLIGENT SOLAR LIGHTING PHILIPS LUMILEDS



for public parks, walking paths, bicycle paths and remote areas.

TECHNICAL SPECIFICATIONS	LX50 SERIES					
MODELS	DIM-10	DIM-20	DIM-30	DS-10	DS-15	DS-30
Lumens (Low / Medium / High intensity)	500/ 724/ 1224	500/ 1392/ 1892	500/ 2003/ 2503	1017	1698	2587
Operation	10h Dimming with Detection	6h Dimming with Detection	6h Dimming with Detection	Detection Only	Detection Only	Detection Only
*Morning mode	*Available (Before sunrise reactivation)					
Maximum hours per night at high intensity	3.5 h	3 h	2.5 h	7.5 h	4 h	2.5 h
Power (Watt)	8W	13W	18W	7W	12W	19W
Light Distribution	Type 2 (Pathway) or Type 4 (Area)					
Color temperature (°K)	4000°K, 3000°K, 590nm PC Amber (more options available)					
CRI (Color Rendering Index)	70					
LED lifespan	> 100 000 hours					
PIR Occupancy/Motion sensor radius	20 feet (6m)					
Occupancy/Motion sensor time delay	Adjustable : 30 seconds to 30 minutes					
Recommended mounting height	10 to 18 feet (3 to 5.5 meters) according to lumen output					
Recommended spacing factor	5.5 x Mounting Height					
Solar Module Power (Watt)	63W					
Battery type / Capacity	Deep Cycle : GEL 40Ah @12Vdc (480Wh)					
Battery Overcharge/Discharge protection	YES					
Autonomy (number of days without sunlight)	5 days (with a fully charged battery)					
Operating temperature range	-40°C +70°C					
Body material / Coating	Aluminium / Polyester Powder Coating					
Dimensions - LxW inches (mm)	24.8" x 20.9" (630mm x 531mm)					
Pole Mounting - inches (mm)	Top of pole installation, Pole maximum outer diameter: 4" (101mm), Round or Square					
Unit Weight - lb (Kg) (EPA)	62 lbs (28 Kg) (EPA = 2.65ft²)					
Warranty	5 years					

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.

ORDERING CODE								
Series	Operating profile & power	Mode 1 or 2	*Morning Mode	Color temperature (°K)	Light Distribution	Pole sleeve shape	Planned mounting height	Color
LX50	DIM-10 ; DIM-20	Mode 1 = Eco.	N = No	4000 = 4000°K	T2 = Type 2	RD = Round 4"	14 = 14' to 18'ft	BK = Black
	DIM-30 ; DS-10	Mode 2 = All Night Detection	Y = Yes	3000 = 3000°K	T4 = Type 4	SQ = Square 4"x4"	10 = 8' to 12'ft	SM = Custom
	DS-15 ; DS-30			590 = 590nm				
	SM-X = Custom							
Example: LX50-DIM-30-1-N-4000-T2-RD-14-BK (_____)								

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



MANUFACTURED BY:
SOLAR VISION INC.
 www.solar-vision.ca
 info@solar-vision.ca
 T. 1-819-729-0450



CERTIFICATIONS

