

LX25 SERIES

COMMERCIAL SOLAR LED LUMINAIRE



The **LX25** 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 **LX25-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 **LX25-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 : solar module, controller, battery, motion sensor and lighting;
- **Weather adaptive technology;**
- Dimming options for longer operation;
- Automatic activation at sunset and/or before sunrise;
- Integrated 360° PIR presence detector;
- >100 000 hrs **Philips LUXEON** maintenance free LED operation;
- **Wireless communication;**
- Flexible operating profiles according to your needs, modifications via remote control, sold separately.
- No power cables or wiring needed;
- Universally recognized **common battery group sizes**, easily sourceable locally;
- Easy battery replacement access door;
- Powder coated aluminium housing;
- Quick, easy and safe installation.

APPLICATIONS

- Public parks;
- Walking paths;
- Bicycle paths;
- Boardwalks;
- Camping sites;;
- Parking lots;
- Remote areas.



MANUFACTURED BY:

Solar Vision inc.
www.solar-vision.ca
info@solar-vision.ca
T. : 819-729-0450



LICENSED FOR
CANADIAN WINTERS

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| LIGHTING SPECIFICATIONS | LX25 SERIES | | | | | |
|--|--|---------------------------|---------------------------|------------------------------|------------------|-------------------|
| Model | DIM-10 | DIM-15 | DIM-20 | DIM-D2D | DS-10 | DS-15 |
| Luminaire Power - Watt (lm/W) | 8 W (153lm/W) | 10 W (150lm/W) | 13 W (145lm/W) | 6 W (154lm/W) | 5 W (147lm/W) | 12 W (142lm/W) |
| Lumens (lm) (low/high intensity) | 500/ 1224 | 500/ 1499 | 499/ 1892 | 431/ 924 | 736 | 1698 |
| Operation, see "Operating profile" document for details. | 8h dimming with detection | 6h dimming with detection | 6h dimming with detection | All night light with dimming | Detection only | Detection only |
| Maximum hours per night at high intensity | 3h | 2h | 1.5h | 2.5h | 5h | 2h |
| Morning mode | Available (Before sunrise reactivation) | | | | | |
| Light Distribution Pattern | Type 2 (Pathway) or Type 4 (Area) | | | | | |
| Color temperature (°K) | 4000°K, 3000°K, 590nm PC Amber | | | | | |
| CRI (Color Rendering Index) | 70 | | | | | |
| LED lifespan (Philips Lumileds) | > 100 000 hours | | | | | |
| Recommended mounting height (ft) | 8-14ft | 8-16ft | 8-16ft | 8-14ft | 8-14ft | 8-16ft |
| Recommended spacing factor | 6 x Mounting Height | | | | | |
| PIR Occupancy/Motion sensor radius | 20 feet (6m) | | | | | |
| Occupancy sensor time delay | 30 seconds (5 minutes or more available on special order) | | | | | |
| Operating Profile | Hours of operation can be divided between evening and morning (before sunrise). Operating profiles can be modified via remote control sold separately. | | | | | |

| SOLAR SYSTEM SPECIFICATIONS | |
|--|---|
| Solar Module (Watt) | 40 Watts |
| Battery Bank Capacity (Ah) | 24Ah @12Vdc (288Wh) |
| Battery type | Deep Discharge AGM |
| Battery Overcharge/Discharge protection | YES |
| Autonomy (number of days without sunlight) | 10 days with a fully charged battery |
| Operating temperature range | -40°C +50°C |

| MECHANICAL SPECIFICATIONS | |
|-----------------------------|--|
| Mounting type | Top of pole installation, Pole maximum outer diameter: 4" (101 mm), Round or Square (pole not included) |
| Unit Weight - lb (Kg) (EPA) | 32 lb (14.6 Kg) (EPA = 1.2ft ²) |
| Body material / Coating | Aluminium / Polyester Powder Coating |

| WARRANTY & CERTIFICATIONS | |
|---------------------------|---|
| Warranty | Solar Module: 25 years Controller: 10 years Battery: 5 years (prorata) LEDs: 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 |

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| LX25 ORDERING CODE | | | | | | |
|--------------------|---------------------------|----------------|------------------------|--------------------|--------------------------|--------------------|
| Series | Operating profile & power | *Morning Mode | Color temperature (°K) | Light Distribution | Pole sleeve shape | Color |
| LX25 | DIM-10 | N = No | 4000 = 4000°K | T2 = Type 2 | RD = Round 4" | BK = Black |
| | DIM-15 | Y = Yes | 3000 = 3000°K | T4 = Type 4 | SQ = Square 4"x4" | SM = Custom |
| | DIM-20 | | 590 = 590 nm | | | |
| | DIM-D2D | | | | | |
| | DS-10 | | | | | |
| | DS-15 | | | | | |

Example: LX25-DIM-20-N-4000-T2-RD-BK (LX25-_____-_____-_____-_____-_____-_____-)

* Note : When morning mode is selected, 1 hour from the evening segment will be transferred to the morning segment (1 hour of lighting before sunrise). Not applicable for DIM-D2D & DS profiles.

** "Weather adaptive technology" is activated by default, the light output is modulated according to the environmental conditions.

| ACCESSORIES SOLD SEPERATLY | | |
|----------------------------|-------------|---|
| DESCRIPTION | PART NUMBER | NOTES : |
| 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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