SunLite SL100 All-Weather High-Power LED Lighting Solutions

Traditional lighting:

1. Frequent bulb replacement.
2. Poor light quality.
3. High operating temperature.
4. High wattage and voltage.
5. Not easily dimmable.
6. Continuing operating expenses.
7. Not environmentally safe.
8. Long warm-up time.
9. Not easily recyclable.
10. Low systems efficiency.

Onstate LED lighting solutions:

1. Long life, low maintenance.
2. High quality white light.
3. High efficiency.
4. Easily dimmable.
5. Instant light. No warm-up time.
6. Environmentally safe.
7. External sensor controllable.
8. All-weather applications

High-brightness LED technology for general lighting is an alternative solution for present and future lighting needs with savings of up to 80% in lighting costs. The SunLite Series of LED lighting solutions features Onstate's proprietary Inverse Light™ optical system*, thermal management, advanced opto-electronics and high-power LED technology in an all-weather, integrated unit. The result is higher systems efficiency and lower maintenance and operating costs.

Features of Onstate LED lighting:

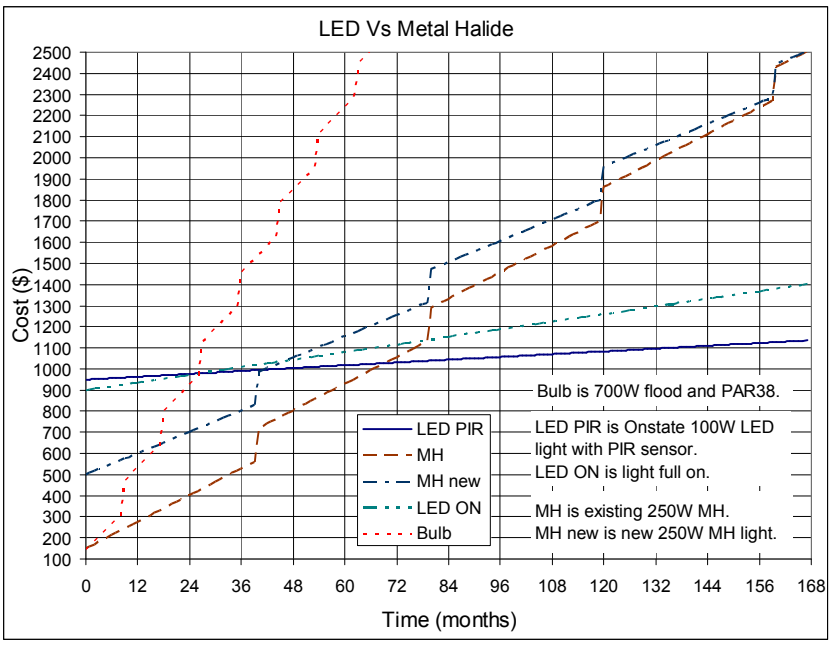
- Inverse Light™ optical system
- Advanced, high brightness LED technology
- Environmentally friendly and safe operation
- Low power consumption
- Runs cool, safe to touch
- Consistent/even light quality and beam pattern
- All-weather indoor or outdoor use
- Low cost of ownership
- No UV/IR rays to affect animals and objects
- No heavy metals or toxic substances
- Long life, low degradation
- Robust, rugged design and construction
- Integrated lighting solution
- Compatible with standard electrical fixtures
- Certified to CSA and UL standards
- Designed and made in Canada

Applications:

- For good colour definition and contrast lighting requirements.
- Architectural, industrial, residential, commercial outdoor long-term lighting.
- Walkways, roads, signs, security, freezers, cold weather, solar and power limited lighting.
- Motion activated occupancy or intermittent switch controlled lighting.

* Onstate's proprietary Inverse Light™ optical system uses specifically designed lens/collimators and LEDs to provide a beam pattern with more light on far objects and less light on near objects for an evenly light scene. The optical system reduces the effect of light reduction with distance known as the inverse square law.

Cost of Ownership



LED light cost of ownership comparison. Based on similar useful lumens on scene for outdoor applications. LED PIR is dual brightness at 1/3 power at standby and full with PIR on at 1/10 time. Electricity cost is $0.1/kWh rate. Use is 10 hours/day. Bulb life is average. Application is general lighting with moderate service cost. Difference in cost after 50k hours against LED PIR: MH and MH new=$1368, LED ON=$266. LED life for LED PIR lighting solution can easily exceed 50k hours due to intermittent full power usage.

SunLite SL100 Series Specifications:

All-weather, white light LED lighting solution.

Power:	90-264Vac, 100W.
LEDs:	90W, 36 high-power white LEDs
Lumens:	Natural white (5600K) 5200lm.
Dimension:	16.3” (L) x 10.5” (W) x 3.6” (D)
Material:	Heavy-duty die-cast aluminum,
Window:	¼” high-quality optical acrylic.
Finish:	Black, painted
Mounting:	Standard- U-bracket mount.
Weight:	6.36kg (14lb)
Standards	UL1598, UL Subject 8750, CSA C22.2 No. 250, RoHS
Temperature:	-40°C to +50°C
Cable:	outdoor 18/3, L/N/G wires.
Warranty:	5 years. Made in Canada.
Beam Angles:	IESNA types, wide/high-bay, street/road/area, directional/spot, low-bay, pathways/narrow areas.
Accessories:	Pole mounting bracket, Hi/Lo LED control board for PIR/switch

Part code. SL100xy-z x= LED light type, y= beam pattern distribution, z= optional accessories
See technical specifications for full part codes and data.