

SSL-45 Solar Powered LED Streetlight



The SSL-45 is a solar powered streetlight. It provides even illumination for an area approximately 100' by 40' when mounted at a height of 20'. The system's solar powered light uses high efficiency LEDs, an efficient solar-power charging circuit, and a microcontroller to maximize the light's performance during extended dark or rainy periods.

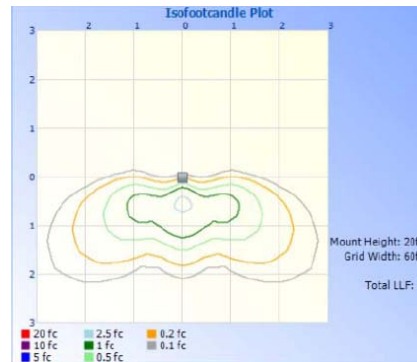
Energy from the sun is gathered by a solar panel and stored in a special deep cycle AGM battery. Microcontroller circuitry monitors the condition of the battery and the ambient light; it also modulates the power consumption and intensity of the LED light modules. Under normal circumstances, during typically sunny daylight periods, the system turns the LED modules ON to full intensity at dusk. The lights remain at full intensity until about midnight. The light is then reduced in intensity to conserve battery power. At about 5:00 am, the microcontroller turns the lights back up to full intensity for early morning use. During several consecutive cloudy days, the intensity of the light is automatically lowered to conserve battery power. If the battery condition goes below its threshold, the lights are turned off completely to prevent battery damage. When the solar panel is again able to recharge the battery, the lights resume normal operation.



System includes SL-45 Streetlight, Solar Panel, Battery & Control Unit, & Pole Mounting Bracket

Features:

- High Efficiency LEDs
- 2500 Lumens (at full battery charge)
- Even illumination area



- Isofootcandle Plot (at 20' mounting height)



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