



# SCAE



## SUNNYLUX SL20SL

Solar-powered signaling devices for continuous operation.

These lighting signal devices are designed to operate continuously, 24 hours a day, ensuring active and effective signaling under all conditions. Powered by photovoltaic energy, they are completely independent from the electrical grid, making them ideal for installation in remote or off-grid areas where traditional power sources are unavailable.

Their compact and sturdy design allows for quick installation, making them suitable for both urban and extra-urban environments. Reliable, eco-friendly, and easy to install, these devices provide a continuous signaling solution without the need for complex infrastructure. They are particularly suitable for applications requiring constant light signaling, offering extremely low energy consumption and minimal maintenance thanks to their self-sufficiency through solar power.

[www.scae.net](http://www.scae.net)



## Main Technical Features

### Sign Panel:

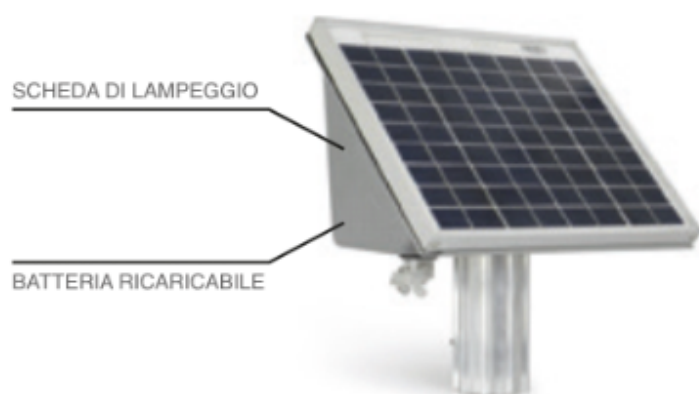
At the core of the system is a black-painted aluminum panel with a diameter of 280 mm, equipped with a Ø 200 mm LED lamp (model 20SL). The mounting bracket is compatible with poles of Ø 60 or Ø 90 mm, ensuring flexibility during installation.

### Optics and Light Performance:

The lamp uses 60 high-efficiency Primax® by Dominant® LEDs, delivering a total luminous intensity of 2100 candelas. The lenses are made of impact-resistant Altuglas DRT101® thermoplastic, a highly durable material designed to withstand both impacts and harsh weather conditions, making it ideal for outdoor use.

### Class and Standards:

The device complies with Class L2H of the EN12352 standard, certifying its suitability for road use in terms of visibility and safety.



## Integrated Photovoltaic System

The model features a built-in photovoltaic system with a 10-watt solar panel measuring 300 × 350 × 22 mm, mounted on a shock-resistant ABS thermoplastic structure positioned at the top of the pole (320 × 350 × 226 mm). The solar panel powers a 12V – 9Ah rechargeable lead-gel battery, ensuring the system's autonomy even under low sunlight conditions.

The pole mounting is achieved through a custom-designed extruded aluminum bracket system, engineered to provide maximum stability and durability, compatible with poles of Ø 60 mm and Ø 90 mm.

