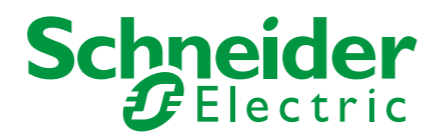




Life Is On



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Villaya Lighting

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Life Is On



The best technology at the service of energy access!

1.06 billion people do not have access to electricity*

*Global Tracking Framework 2017

In developing countries, the lack of reliable, affordable off-grid solar public lighting is a major challenge

Public lighting is key for the development of local communities at night: free movement of people and goods, opportunity for economic activities, security on the roads, and social gatherings. Currently, for off-grid applications there is only one real choice: Solar Street Lights. They offer a practical and low-cost solution where grid connection is not available, and in situations where grid energy is limited and needs to be conserved or better used.

Villaya Solar Street Lights

Solar streetlighting is an obvious choice where there is an abundant source of free solar energy and the opportunity to remove the energy consumption and associated infrastructure from the grid. Together with our partners we have already successfully installed Schneider Electric Solar Street Lights (SSL) in many countries responding to different needs and use cases.



Schneider Electric, the global energy management specialist, proposes a high quality, robust and innovative solution to meet street, area, perimeter and security lighting requirements.



6-year warranty



LED solar streetlight

Stand-alone product: no electricity bill, no grid connection. Up to 30% fewer poles compared to other solar street lights.



Connected product

Bluetooth enabled for product registration, remote monitoring, troubleshooting, and lighting profile management.



Versatile and powerful lighting

Lumens output of 1600 to 6400. Complies with street lighting standards. Comply with street lighting standards.



Very long lifetime

Innovative high heat resistance NiMH battery, advances natural cooling & intelligent lighting management.



Tiltable LED optics

Tilt from 0 and 30° with 10° steps to match local lighting requirements.



All-in-one solution

Plug & play for easy installation in a few minutes. Completely autonomous solution, easy to move at a later date (e.g. construction, natural disasters, public events).



Motion sensor option

Increases light intensity automatically when movement is detected to ensure security and energy conservation.

These features are backed by Schneider Electric's local presence and expertise in, solution integration, after sales service and support to ensure confidence and peace of mind for our customers.

Our Villaya Lighting offer

Our Access to Energy Solar Street Lights provide safe, reliable and economical road and area lighting to populations living in rural communities, peri-urban and urban communities. Our lighting solutions provide a high level of lighting output to increase visibility and security for everyone (pedestrians, cyclists, women, children, secondary road users, refugee camps, communities, businesses, markets etc.) without the need for grid connection.



Villaya Lighting SSL 01: cost effective

Applications

- **Road lighting:** Integrated Solar Street Light Type 1 AEC-SLI10-U12
- **Area lighting:** Integrated Solar Street Light Type 1 with motion sensor: AEC-SLI10-U25-S
- **Perimeter lighting:** Integrated Solar Street Light Type 1 with motion sensor: AEC-SLI10-U25-S

Features

- Cost effective solution for rural applications

Technical characteristics

- Lighting efficacy: 164 Lumen / Watt
- Luminous flux: 1600 to 2800 lumens
- Solar panel: 50 Wp
- Battery: 120 Wh NiMH
- IP Rating: 65
- Height: 3 to 5 meters



Villaya Lighting SSL 02: light in any direction

Applications

- **Road lighting:** Integrated Solar Street Light Type 2, Aligned LEDs AEC-SLI20-U25-A
- **Area lighting:** Integrated Solar Street Light Type 2, Aligned LEDs with motion sensor AEC-SLI20-U50-SA / Integrated Solar Street Light Type 2, Opposite LEDs with motion sensor: AEC-SLI20-U50-SO for area lighting
- **Perimeter lighting:** Integrated Solar Street Light Type 2, Opposite LEDs AEC-SLI20-U25-O

Features

- Aligned LED lights for road and perimeter lighting
- Opposite LED lights for area lighting

Technical characteristics

- Lighting efficacy : 164 Lumen / Watt
- Luminous flux: area configuration 1600 to 2800 lumens (per side) - road configuration: 3200 to 5600 lumens
- Solar panel: 80 Wp
- Battery: 240 Wh NiMH
- IP Rating: 65
- Height: 5 to 7 meters





Contact your local
Schneider Electric
representative for
more information!

Villaya Lighting SSL 03: light for any location

Applications

- **Road lighting:** Non-Integrated Solar Street Light Type 3: AEC-SLN30-U25
- **Area lighting:** Non-Integrated Solar Street Light Type 3 with motion sensor: AEC-SLN30-U50-S
- **Perimeter lighting:** Non-Integrated Solar Street Light Type 3 with motion sensor: AEC-SLN30-U50-S

Features

- For all regions (inclination of the solar panel)
- Compatible with international streetlighting standards
- Very versatile offer: compatible with different LED lanterns

Technical characteristics

- Lighting efficacy: 164 Lumen / Watt
- Luminous flux: 3200 to 5600 lumens
- Solar panel: 80 Wp
- Battery: 240 Wh NiMH
- IP Rating: 65
- Height: 5 to 7 meters



Villaya Lighting SSL 04: superior light output

Applications

- **Road lighting:** Integrated Solar Street Light Type 4: AEC-SLI40-U40
- **Area lighting:** Integrated Solar Street Light Type 4: AEC-SLI40-U40
- **Perimeter lighting:** Integrated Solar Street Light Type 4: AEC-SLI40-U40

Features

- Superior light output for road lighting applications

Technical characteristics

- Lighting efficacy: 164 Lumen / Watt
- Luminous flux: 6400 lumens
- Solar panel: 160 Wp
- Battery: 480 Wh NiMH
- IP Rating: 65
- Height: 6 to 8 meters

