

RELIAZEN REFLECT PVT. LTD.

Data Sheet – **Solar Stud:-Model- 'SS-AL10'**—Road Safety Division

A more fundamental approach to road and driver safety is now being taken care with the introducing of the SOLAR STUD Model "SS-AL10".

These solar - powered environment friendly, LED based Intelligent Road Studs are specifically used to improve safety, reducing accidents on the road by providing information to drivers about the road ahead directly in their natural field of vision. Solar Road Stud specifically used to save lives and reduce accidents on the road by providing up to a ten-fold increase in visibility, as well as better durability in the most demanding conditions. Solar studs have been able to find a suitable place on approach roads in INDIA.

Benefits include:

Additional "Preview" time for drivers on sharp bends roads.

Ability to see road delineation reduced visibility caused by fog, rain or surface spray.

Visible delineation on wet roads where white lines become invisible due to reflected light.

These simply installed, maintenance free, highly robust in- pavement studs use state of art SMD technology to effectively convert sunlight using on board solar panels into stored energy.

Energy consumption is managed using a microprocessor so that just 2 hours of sunshine will provide enough battery to last 4 days - more than enough to ensure the system keep working.

Product Specifications:

- | | |
|--|---|
| <ul style="list-style-type: none">▪ Construction : Aluminum-alloy shell▪ 100% water proof design according to Ip65.▪ Dimension:120mm x 120mm x 25mm (Shank 50mm to be Embedded)▪ High Efficiency Mono-Crystalline Solar Panel 2.4 V / 0.3 Watt.▪ One Ni-Mh or NI-cd Rechargeable Battery (1.2V / 1600 MA).▪ Six Super Bright LEDs with 10,000 to 18,000 mcd (Millicandela).▪ View Distance: upto 800 meters.▪ Flash Rate: 2Hz or according to customers requirements▪ Bearable Weight: 10 Tons approx.. | <ul style="list-style-type: none">▪ Color: Red and Yellow.▪ Working Time: 3 to 4 days after fully charged battery.▪ Charging Time: 5 to 6 hours from direct sun light.▪ Working Temp: 10° ~ 75° C▪ Life Span : three to five years.▪ Easy installation, no maintenance▪ Unbreakable poly carbonate clear facing designed for maintenance free operation.▪ Automatically turns on at night and turns off at dawn.▪ High visibility LED's ensure easy and safe night driving |
|--|---|

Solar Stud:-Model- SS-AL10

