

# Avanti Ladder with Safe-Step light system

Introducing the new Avanti ladder with the integrated Safe-Step light system from IED Green Power.

It uses a power efficient and durable LED light strip that is embedded in the length of the ladder itself to make climbing safer for the technician by improving visual awareness.

It uses a distributed battery backup (instead of a individual battery pack) for situations when there is a power cut and no external power is available.

The replacement of the battery is easy, fast and safe, as it is done at platform level, instead of at heights.



## Benefits of the Avanti ladder with Safe-Step light system

- Improved safety due to better visual awareness in the tower.
- Optimal lighting distribution along the ladder fully illuminating it uniformly.
- Power efficiency. The system focalizes light and reduces power consumption by 35%.
- Easy installation. The power box does not require opening for attachment to the ladder or can be delivered preassembled on the ladder.
- Multiple savings along supply chain due to integration of lightning system into the ladder system. Standarization of item lists, simplification of engineering work and supply of components.
- +50% reduction of installation time at tower factory
- +90% cost reduction during lifetime in inspection, maintenance and turbine electricity production.



#### **SPECIFICATIONS:**

- 20 lux in service and emergency mode
- Led strip powered with 36V by Power box
- Power supply 120-277 V, 50/60 Hz.
- IP67 for Power box and IP54 for led strip with connectors
- IK08 impact resistance level
- Working temperature -30°C - +50°C
- CE and UL
- Remote monitoring: access to luminaire status information from main switch or integrated with alarms system
- Power box installed in each platform, is powered by tower 2,5mm section cables, and provides power to 15m led strip up and 15m led strip down. Power box also includes the battery pack, easily accessible through a cover.
- 13 years lifetime of battery

