



## CONNECTED AND PROTECTED LIGHTING SIGNALS

High-performance connectors for road, construction site, and vehicle applications in dynamic and challenging environments

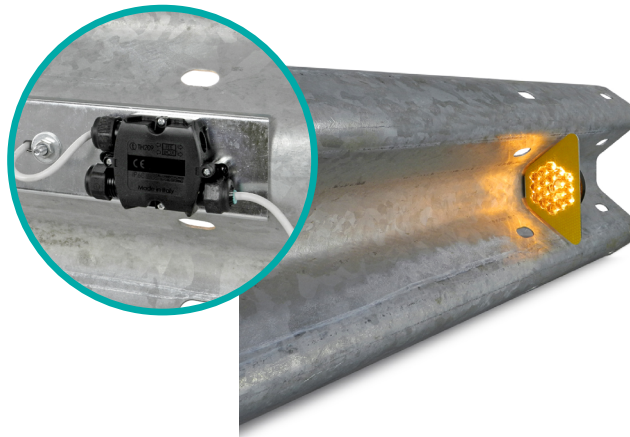


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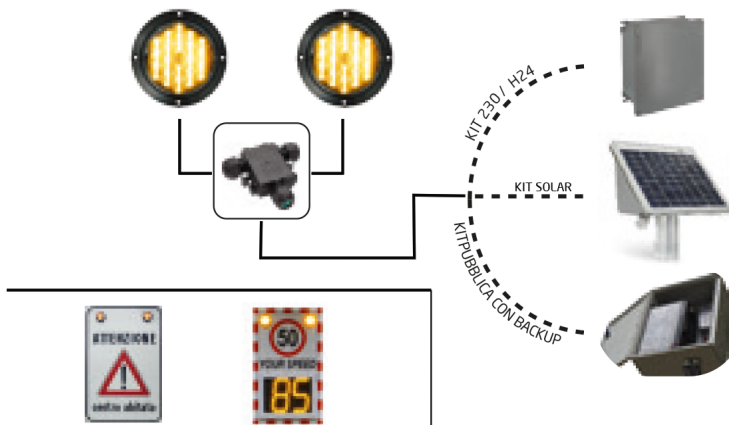
Prealux, an Italian company specialising in LED lighting solutions for road and construction site signalling, chose **Techno's connection solutions** to ensure maximum reliability in their devices. Applications include LED systems powered by photovoltaics, vehicle signal lights, mobile panels, traffic barriers, and construction trailers. In such contexts, durability, safety, and quick installation are key factors.

 **Client**  
Prealux S.r.l.

 **Application**  
LED traffic signals



### Application example



### THE REQUIREMENT

Prealux applications are designed for outdoor use, often in mobile or harsh climatic conditions.

The main technical requirements included:

- IP66/IP68 protection for continuous outdoor use.
- Resistance to vibrations, shocks, and frequent movement (trailers, panels, mobile setups).
- Quick and reliable connections, ideal for rapid field interventions.
- Compatibility with LED and photovoltaic systems, ensuring continuous power supply.
- UV-resistant materials capable of withstanding temperature fluctuations and dust.
- Modular and flexible solutions, adaptable to a wide range of devices.

# Connected and protected lighting signals

## THE SOLUTION



### TH200

Mini 3-way junction box.



### TH219

3-way junction box with internal walls for resin encapsulation.

## BENEFITS



### Consistent electrical reliability:

even in critical weather and operational conditions.



### Simplified installation and

**maintenance:** thanks to quick and intuitive connectors.



### Mechanical resistance:

to vibrations and stress during transport or mounting.



### Improved operational efficiency:

with devices always ready and safe to use.