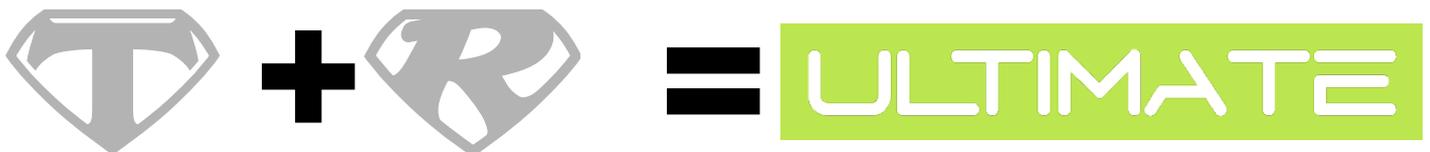


10-year warranty on the entire Ultimate range

Luminous flux over 2.000lm

Smart Pack Titanium Battery,
with built-in BMS circuit

Expandable AT-LG-LGFM-DALI electronics
that can be reconfigured and updated remotely



Autoripara + Titanium: the safety of never being in the dark

The evolutionary advancement of LED sources made it possible for emergency luminaires to reach luminous fluxes and useful life unthinkable until a few years ago. Up until now, the critical point was the energy accumulator that must ensure maximum efficiency and long operating time in the event of a blackout. The battery, the only

source of power in the event of a blackout, determines the performance limit of the luminaire in terms of both reliability and charging time.

The ULTIMATE project eliminates this problem transforming it into a resounding plus: Titanium Dioxide storage elements enclosed in a Smart pack with built-in BMS

circuit (Battery Management System), driven by an electronics that makes it possible to double the smart pack of the luminaire while still guaranteeing the power supply in the event of an emergency, doubling the luminaire's performance.



Expandable AT-LG-LGFM-DALI electronics that can be reconfigured remotely

The electronic board installed as standard on all ULTIMATE luminaires was designed to ensure maximum flexibility in the programming and use of the luminaires.

The design includes a built-in Logic circuit (LG) intended to centralise the configuration and control functions and also features remote control and Dali Module slots. Therefore, the software can also be updated remotely.

Immediately after installation, the Ultimate luminaire will be set to AT. If there is a Logic Control Unit connected, the product switches automatically to the centralised version (LG).

Emergency lighting guaranteed for 10 years



Titanium Smart Pack: the reason behind the 10-year warranty

The new Beghelli Titanium battery differs from normal storage cells by its built-in charge control and balancing system (BMS).

1 - Fast charging:

Ultimate luminaires charge to 80% in 3 hours of charging

2 - Extreme temperatures:

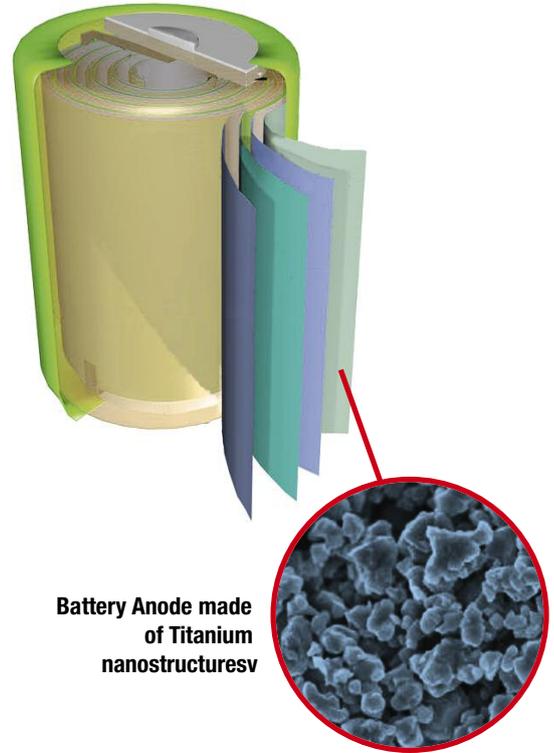
the LTO technology is tested for temperatures between -30°C and +75°C; installed on the luminaires, it ensures the correct operation of the same at ambient temperatures from -20°C to +50°C.

3 - Long life with built-in BMS circuit:

7,000 charge cycles, thanks to the electronic balancing and charging/discharging phase control with short-circuit protection (Battery Management System).

4 - Cell safety guaranteed under any stress:

The materials used in the LTO cells do not react in the presence of a short circuit, humidity or other accidental events.



Battery Anode made of Titanium nanostructures

10 YEAR WARRANTY



Additional Autoripara (Self-repair) battery: unprecedented luminous flux

Thanks to the Autoripara Battery System, by adding a second Titanium Smart Pack it is possible to enable the Long Operating Time function and double the Autonomy (up to 6h).

The luminaire can be set to High Flux using a jumper; the energy surplus is converted into luminous flux, reaching an extraordinary value of 2,000 lm.

The example on the right shows a Logica ULTIMATE luminaire (order code 19410) set to an operating time of 1 hour, highlighting the effects of changing the position of the jumper while the Autoripara battery is connected: double flux or, alternatively, double operating time.

Long operating time

1h with one battery



1100 lm with one battery

2h with two batteries



2000 lm with two batteries

High Flux