



AUTONOMOUS ELECTROLUMINESCENT GUIDE LINE
- TYPE LS STANDARD -
SECURITY EQUIPMENT FOR SUBAQUATIC AND ON GROUND USE



- INTRODUCTION -

This **LS** equipment uses electric energy to produce autonomous, **intensely bright linear markings** covering **long distances**, for **marking out, guiding and identifying** over long periods when visibility is low or zero. It offers valuable aid to operators who require guide and visual markers, enabling them to carry out successive operations on the same site without losing time.

- DESCRIPTION -

Comprises 2 connected sub-units:

- A. A **luminescent cable** of variable length connectable to the pack, coded **Wxxx**
- B. A 200m leaktight, rechargeable **battery pack** coded **LSP**.

The **LSP battery pack** is a cylindrical unit fitted with a handle and including an electric module and electronics. The LSP is equipped with a rotating contactor, a low-battery indicator, a pin for external charging, a pressure safety valve and a leaktight connector for the cable.

The **Wxxx luminescent line** emits continuous cold LED that is very bright and intense along its entire length. One end of the 5mm line is fitted with a reinforced, watertight male connector and a wrist strap socket, and the other end is doubled with a 50cm stainless steel cable ending with a buckle and snap hook. The line is available in 20m lengths up to 140m. All lines are interchangeable, whatever the length. Standard color is lime (green yellow).

Autonomy: autonomy between charging depends on the length of the line connected and ranges from 4 to 7 hours.

- OPTIONS -

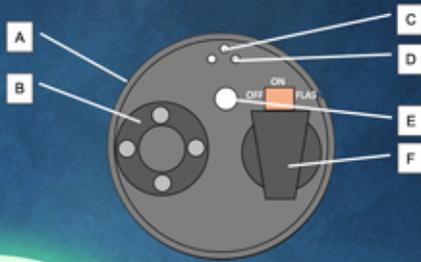
- Long-length LS model devised for operating lines over 140m up to 300 m
- For significant tractive force > 100KG, a reinforced aramid line is available for traction up to 1500N (150KG)
- Quick draws
- Other colors: blue, white, pink
- 12V battery using cigar lighter

- USE -

The LS kit can be used under water in depths of up to 200m, and any other environment outside the water. It is not appropriate for direct exposure in the fire and high temperature environment. This equipment is designed as security and visual marking and has to be used for this purpose only. Contact us for any other requirement, especially with mechanical constraints.

- MAINTENANCE -

LS material is designed for intensive use. It requires no particular care except for rinsing with clear water after use, especially in seawater.



- LSP PACK-

- A. Anodized aluminium body with 2 leak tight screw ends
- B. Connector with a stopper cap to be removed before connecting the line
- C. White point : locating key for charging connector
- D. External charging pins
- E. Charge indicator using diode + pressure valve
- F. Rotating contactor with 3 positions: (clockwise) ON-OFF-FLASH

- SUPPLY -

LS equipment = LSP + LINE Wxxx to length + AC/220V mains charger + instructions

- MAIN FEATURES -

a. Luminescent line: Wxxx (xxx = length in metres)

- Standard temperature for use: -20°C / +70°C
- Maximum temperature for use: +120°C
(in which case, return to factory for checking)
- Recommended tractive force: 100N (10KG) / maximum 200N (20KG)
- Nominal radius elbow: 60mm / Minimum: 35mm
(risk of deterioration)
- Usage pressure: up to 20 bars (200m depth)
- Lifespan: 1,000 hours or 3 years (under normal conditions)
- Line weight: ± 0.035KG/m
- Color : lime (green yellow)

b. Battery pack: LSP

- Battery NiMH – 13.2V / 4.5A
- Maximum battery autonomy: 4 to 7 hours depending on line length
- Number of cycles: > 500 charges
- Charge: mains supply 110-220VAC
- Minimum charge duration 4 hours (full charge using rapid charger)
- Factory return for checking after using 500 times or for 3 years
- Weight: Air 1,500g / Water 750g
- Electric discharge control

