



RAIL LOWERING AND RETRACTABLE SYSTEM

Since 2013, **LUXSOLAR®** (a brand of C&E SRL), world leader in Aircraft Warning Lights, has started the production of a **Rail Lowering and Retractable System (LXS-LWS-R)**.

This innovative system is the final solution for the installation of equipment on elevated structures, otherwise barely reachable without specific safety measures.

The **LUXSOLAR® LXS-LWS-R** Rail Lowering and Retractable System has the advantage of allowing an **easier and safe maintenance** of the equipment installed at height, minimizing the risk of falls, exposition to fumes and high temperatures.

In the standard configuration, the Lowering and Retractable System (**LXS-LWS-R**) is manufactured in aeronautical aluminium profiles, to provide maximum strength with minimum weight (about: **7kg/meter**).

The System is also available in stainless steel and adaptable to extreme conditions of use (e.g. high/low temperature).

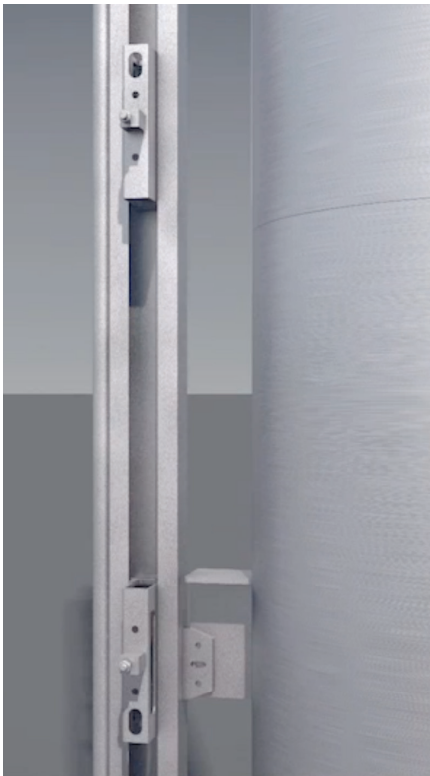
The Rail Lowering is applicable to move several equipment from the worktop to the operational height (up to **200m**) such as:

- Aircraft Warning Lights;
- Smoke analysis apparatus;
- Lighting projectors;
- Radio and Wi-Fi antennas;
- Cameras;
- Radars;
- Antennas;
- Etc.



The structure and the cable are extremely resistant and can move up to **300kg**.

Operation



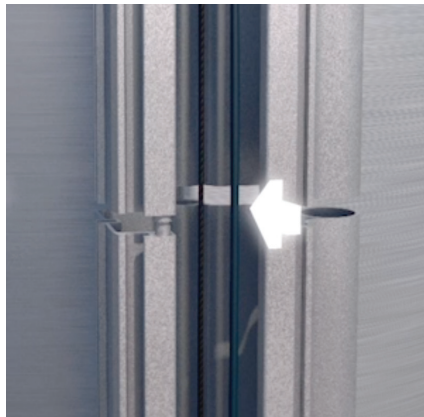
The equipment to be moved is fixed to **one or more stainless steel mobile trolleys**, equipped with a system of wheels designed to avoid any possible jam along the route.

The aluminium track is constituted by a **series of modules**, each approximately **6m long**, having two fixing plate to the structure: the lower slotted sliding, the upper fixed.

Each module is fixed and aligned to the next by **guide pins** that allow the absorption of metal thermal expansion.

In addition, upon request, it is possible to provide the aluminium rail with a housing for sliding belts and hooks for removable stairs.

To prevent the power cord and the signal cable from oscillating outside the track in areas subject to strong wind, the device is equipped with **guide tracks** located at intermediate level (**one about every 25m**).



When the trolley on which the device is mounted reaches the operating dimension, it automatically hooks in position by means of a metal **locking system**; from this moment on, the equipment is ready for operation.

To bring the equipment back to the work surface in total safety, it

is sufficient to unfasten the trolley anchored by the locking system and **operate the winch manually or electrically**.

The **steel cable** remains inside the track during the handling, the breaking load of the standard cord is 1500kg.

Other additional elements ensure a safe installation: a chain hooked to the lifting rope allows safe removal of the winch and a transverse bar at the worktop ensure the end position of the trolley. **The lifting, coupling and electrical cables of the equipment run into separate housings to prevent interference with the correct handling of the trolley.**

With the **LXS-LWS-R Rail Lowering and Retractable System**, **the installation and maintenance of equipment at heights can be carried out in total safety, making stairs and access platforms unnecessary.**



LET'S KEEP IN TOUCH

Address

Via per Dolzago, 21
Oggiono (LC) - Italy

Phone/Fax

+39 0341 260926
+39 0341 577747

Web/E-mail

www.luxsolar.com
lxs@luxsolar.com

