

MOUNTING SYSTEMS

For Elevated Lights



General

Typically, elevated lighting fixtures are installed at ground level by means of base plates or alternatively into a conduit elbow. The base plate is mounted either directly onto the pavement or onto a FAA L-867 light base, where the isolating transformer is just beneath the light fixture. A pedestal with a breakable coupling is screwed into the tapped hole of the base plate or conduit elbow, with the elevated light fixture mounted onto the pedestal.

Base Plate MF 1932

ERNI base plate type MF 1932 are with 2"/11.5 NPS thread. Other threads are available on request. The base plate is painted in RAL-1003 aviation yellow. They can be mounted either directly onto the pavement or onto an FAA L-867 deep base. All base plates are provided complete with flat gaskets and a retainer for FAA L-823 Style 8 receptacle.

Frangible standard pedestals

The STF-N30 is a non adjustable pedestal, suitable for all ERNI bi- and omnidirectional elevated light fixtures. The pedestal comes with 2"/11.5 NPT thread. Other threads can be made upon request.

Adjustable pedestals with frangible coupling

The STR-N30 pedestal is adjustable 360° horizontal and 0–10° vertical and suitable for both unidirectional and bidirectional elevated light fixtures. These pedestals can easily be mounted onto most known frangible approach masts. The pedestal comes with 2"/11.5 NPT thread. Other threads are available upon request.

Adjustment tools

All STR-N30 pedestals must be oriented and adjusted with an adjustment jig to assure the light beam direction and light characteristic is in conformance with ICAO recommendations. ERNI recommends use of an original ERNI adjustment jig for easy alignment.



Extended pedestals

STF-N30 and STR-N30 pedestals are available with extensions. If the height permits, the extension is made with an intermediate SPX extension tube. However, for certain heights, the extension is combined with the pedestal. Both, the non adjustable STF-SPX pedestal and adjustable STR-SPX pedestal are available up to a height of 750 mm and are supplied as a one piece assembly.

SPX pedestal extensions

In some cases, the approach lighting fixtures must be installed at a certain height to compensate for the unevenness of the ground. ICAO recommends such mounting systems have to be light and frangible. Up to 1.8 m from ground level, an aluminium SPX pedestal extension, fixed in a breakable coupling can be used. The breakable coupling itself is screwed into a standard base plate.

The elevated light fixture will be mounted onto the extension by means of a standard STF-N30 or STR-N30 pedestal.

For installation heights above 1.8 meters, elevated light fixtures have to be mounted onto frangible safety approach masts. ERNI light fixtures can be mounted onto all known safety approach masts by using an interface which allows the fixation of the STR-N30 and STF-N30 pedestal.

As an option SPX pedestal extensions can be supplied with a secondary extension cable. The cable will be made in accordance with the height of the pedestal extension and will be equipped with a FAA L-823 Style receptacle and FAA L-823 Style plug for easy connection of the transformer secondary cables with the light fixture.

Subject to change

ERNI Licht-Technik AG, Stationsstrasse 31, CH-8306 Brüttisellen, Switzerland

Phone +41 (0)44 835 33 43, Fax +41 (0)44 835 33 42

info@erniairlight.com



www.erniairlight.com