

LIGHTING SET FOR FIELD USE

PURPOSE:

The lighting set for field use is intended for:

- areal lighting of external and internal spaces;
- working lighting in external and internal spaces;
- lighting with intensity of 50 lx minimal in horizontal plane 1 m above the ground;
- navigation lighting for movement control of vehicles and persons;
- lighting independently on electrical distribution net - for 1.5 h minimally.

The lighting set for field use is modular and could be easily enlarge and thus one can create required configurations of the illuminated area and working places.

LIGHTING SET CONSISTS OF:

The lighting set for field use consists of the following components:

- a) field electrical energy distribution (TITANEX cables with BALS plugs, rubber portable adapters with secured and unsecured outputs, winding drum).
- b) lights (fluorescents and discharge lights, LED head lights, traffic lights, orientation fluorescent lights, emergency lights, fixing material (universal stands, holders with magnets, portable frames for halogen head lights, stands for traffic lights).

CONDITIONS OF USE - POSSIBILITIES:

- The distribution part of lighting set for field use is made as 3/N/PE with using of electrical power source 3 x 400 V, 50 Hz and as 1/N/PE with using of electrical power source 230 V, 50 Hz (or in case of transmission from three-phase to single phase) and it fulfils the requirements of the Czech technical standard ČSN EN 33 2000-4-41.
- The distribution part of lighting set for field use is universally connectable to the distribution nets with any electrical shock protection system and to all types of generating sets used by the Czech Army.
- The distribution part of lighting set for field use is sized in such a way that the voltage drop on the cables ends is not higher than 5% of rated voltage.
- The distribution part of lighting set for field use has IP 67. The IP code of the lights corresponds to the prescribed use, minimum is IP 23.
- The lighting set could be used for ambient temperatures from -30 °C up to +50 °C.
- The lights and other parts are mechanically resistant.
- The lighting set is modular and it is designed for transport and storage in standardised boxes.

