

## Poles Installation, Use and Maintenance Guidelines

### Application

K-Lite has a passion to create a distinctive atmosphere in towns & cities by using the most advanced technology to develop innovative lighting solutions. K-Lite poles can stylishly convey the identity of any landscape. The solutions offered are people centric and designed to enhance the urban beauty. Aesthetically designed and sturdy construction ensures a long life. Maintaining initial performances through the lifetime of the installation.



Note : Technical amendments reserved.

### Installation Recommendation

- This product is suitable for Outdoor application.
- Installation and maintenance of the poles should be carried out by qualified person only in accordance with good electrical practice and appropriate accessories.
- Poles should be handled with belts & proper safety equipments during installation. Dragging / Mishandling could result in damages and scratches in the GI / Paint coating, making it vulnerable to adverse climatic conditions and corrosion.
- To ensure longevity of the poles, it is best to install them on a foundation that is higher than the ground level, taking into consideration local water logging and soil condition at site.
- All parts of the product in contact with soil (Base etc.) must not be covered by soil or must not be in contact with aggressive chemical elements like fertilizers, herbicides, lime etc. In case of unknown composition of the soil a soil analysis should be done before installation. Suitable measures must be carried out to ensure proper installation and avoid corrosion damage.
- Clean parts of product near the soil (foundation bolts and base) for additional protection an Anti corrosion (3M) tape could be applied to the root section of the pole up to 250mm above ground level. This tape provides protection against corrosion in the base area.
- It is very important to follow these instructions to enable the poles to be installed correctly. Failure to follow this will void all warranty on the product. Please retain installation guidelines for future reference.

### Safety

For Safety, always ensure power supply is disconnected during Installation and before regular maintenance.

Installation and operation of this pole are subject to national safety regulations. The manufacturer is discharged from liability when damage is caused by improper use or installation.

Any modification to this pole without authorization will void all warranty and the persons responsible for the modification shall be considered as manufacturer.

# Technical Specifications

## Control Gear Box

- Integral control gear box with in-built frame work.
- Die cast aluminium door is contoured to the shape of the pole with silicon rubber gasket.
- SS link is provided to interlink the pole with the door cover to eliminate the possibility of theft / misplacing during regular maintenance.
- User friendly control gear tray is prewired with MCB connector and loop in loop out terminal block.

## Foundation Details

- Our poles are designed with a surface mounting base plate, dimensions and thickness of which are determined based on the pole design and wind load.
- Provision of gussets and the circumferential fillet welding of base plate with the pole shaft, from inside and outside have been done from the ruggedness and stability point of view.
- The foundation bolt holes in the base plate are designed to be elongated for fine adjustments / alignment of the pole during installation.
- Hot dip GI foundation bolts and nuts are supplied with the poles.

## Bracket Options

- Our poles can be designed to suit single or multi arms brackets in order to install one or more light sources. Wall mounted options are also available under this series.
- Our unique demounted bracket construction and pole orientation, ensures easy transportation and simple self-assembly and installation.

## General Installation Guidelines :

- Poles should be handled with belts & proper safety equipments during unloading and installation. Dragging / Mishandling could result in damages and scratches in the GI / Paint coating, making it vulnerable to adverse climatic conditions and corrosion.
- Depending on the mode of application, the size and weight of the luminaire, the pole must be stably fixed on a foundation.
- The size of the foundation depends on the topography, condition of the soil, wind load and must be determined based on site condition.
- Height of foundation above ground level (150mm) may be revised to suit the site conditions especially considering the expected water level stagnation.
- Template supplied is suggested to be used for locating the centre to centre (CC) distance of foundation bolts.
- Foundation bolts have to be oriented (located), while casting the foundation such that the door of the electrical junction box face the required direction for easy installation and maintenance.
- Use only hot dip galvanised foundation bolt & nuts in order to avoid corrosion.
- UG cable has to be routed through the bottom base plate (cable entry hole).
- Please ensure that the wires are connected to the right polarity [Phase, Neutral & Earth]. For 3Phase Loop-in Loop-out connections, use appropriate Red, Yellow, Blue for Phase, Black for Neutral and Green for Earthing Terminal. Loose connections, wrong polarity connections will damage the luminaire and can cause electrocution.
- Door Keys and Allen Keys for the entire lot of poles supplied are packed and kept inside the base pole (Indicated by colour sticker)
- While mounting the luminaires / brackets, tighten all the stainless steel grub screw/bolts evenly to ensure that, the luminaire / bracket is in correct alignment with the base pole. Don't over tighten.
- Lock and unlock the screws following an alternative sequence, tightening all screws evenly.
- Install luminaire as required ensuring that the direction of the light distribution is correctly positioned.

## Final Check's and Maintenance :

- Please remove the packing material from pole after installation before commissioning. Do not use knife or sharp blades on the painted surface.
- If paint has been scratched or chipped off during installation please ensure that the touch up is done at site after proper surface cleaning as soon as the installation is complete.
- Failure to do so will make the pole vulnerable to adverse climatic conditions and corrosion.

## Cleaning and care :

- Approximately once a year, check the overall condition of surfaces and if necessary restore damaged parts. During inspection, check that all fixing elements (screws/nuts) are securely fastened.
- Pole should be wiped and cleaned at regular intervals.
- Building dust, residues from pressure-sensitive adhesives, paint splatter and rust film must be completely removed. Never use cleaning implements made of normal steel, steel brushes or steel wool because they cause extraneous rust to form.
- Cleaning agents containing hydrochloric acid and chlorides should never be used.
- Do not use high pressure cleaners

## Accessories

- Hot dip GI foundation bolts and nuts are supplied with K-Lite poles.
- Foundation template is provided on request.

## Storage

If site is not ready for installation, store the material in proper warehouse facilities. K-Lite is not responsible for the damages caused due to the mishandling of material at site.



### Important Note

To ensure proper installation, kindly translate / communicate the installation instructions to the local qualified electrician in their respective local language. Warranty is void if the installation is not done as per recommended guidelines.

## Customer Service

If Klite agrees to receive back some poles for Lab Testing and further analysis please ensure to disconnect the power line and ship the product as is unless otherwise specified.

Please contact [customercare@klite.in](mailto:customercare@klite.in) for more information.