



LIGHTING



K-LITE LIGHTING THE CITY WITH FORM & PERFORMANCE

The K-LITE Surface-Mounted Polar Lighting Pole combines contemporary design, durable engineering and high-performance LED technology to create elegant, energy-efficient lighting solutions for modern urban spaces.

The 'K-LITE' Surface-Mounted Polar Lighting Pole, integrated with an LED lighting module, is an exclusive choice of designers for city beautification projects, offering an ideal combination of functionality and architectural appeal. It is available in a comprehensive range of contemporary designs, including Single Arm, Double Arm, L-Arm, V-Arm, Square Arm, and Parallel Arm configurations.

The pole is engineered to withstand adverse environmental conditions. Its sections are precisely welded using special grooving techniques and advanced MIG welding processes to ensure superior strength and durability. The control box is integral to the pole and features a built-in service door with a locking arrangement and safety chain. The mild steel pole is coated with an epoxy zinc phosphate primer and finished with an environmentally stable polyurethane-based paint. Each pole is supplied with the

necessary foundation hardware suitable for normal soil conditions.

The Polar Lighting Pole arms are integrated with an LED modular lighting system, classified under the green lighting category for its environmental friendliness. The LED lighting modules provide high lumen output with low power consumption, ensuring efficient illumination. Each module is IP68 protected and has been developed through extensive research to meet diverse illumination requirements for urban spaces.

The LED driver is designed to ensure a harmonic distortion level not exceeding 10%, a power factor greater than 0.9, and built-in surge protection. Each LED module is individually rated at 30W, 50W & 100W. The control gear tray, pre-wired with terminal connectors, MCB, and a loop-in/loop-out arrangement, is housed within the integral control box of the pole. ■

