



INDUSTRY OPINION || LIGHTS

LIGHTING WITH AESTHETIC POLAR LIGHTING POLES



Polar Series

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 both functionality and architectural appeal. It is available in a wide 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 high-end MIG welding processes to ensure strength and durability. The control box is integral, featuring 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 arms of the polar lighting pole are integrated with an LED modular lighting system, which is classified as green lighting for its environmental friendliness. The LED lighting modules deliver higher lumen output with lower power consumption. Each module is IP68 protected, developed after extensive research to meet diverse illumination requirements for urban spaces.

The LED driver design ensures a harmonic distortion level not

exceeding 10 per cent, a power factor greater than 0.9, and built-in surge protection. Each LED module is individually rated at 60 W. The control gear tray, pre-wired with terminal connectors, an MCB, and a loop-in/loop-out arrangement, is housed within the control box integral to the pole.

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