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POWER BRAND

K-LITE unveils Polar Lighting Pole, a stylish, energy-efficient urban beautification solution

The lighting arms are integrated with an LED modular lighting system, which is environmentally- friendly under the green lighting category.



The 'K-LITE' has introduced a cutting-edge surface-mounted Polar Lighting Pole that seamlessly integrates with a state-of-the-art LED Lighting Module. This lighting solution stands out as the preferred choice for designers seeking to blend city beautification with architectural appeal. The pole's design versatility caters to a comprehensive range of contemporary styles, offering single arms, double arms, L-arms, V-arms, square arms, and parallel arms.

Engineered to withstand adverse conditions, the pole sections undergo a meticulous welding process employing special grooving techniques and high-end MIG welding. The result is a robust structure designed to endure the challenges of urban environments. The integral control box further enhances functionality, featuring a built-in service door, locking arrangement, and safety chain. The pole's construction involves a multi-step process, including epoxy zinc phosphate primer coating for corrosion resistance and an environmentally stable polyurethane-based paint finish, ensuring longevity and aesthetic appeal.

A distinctive feature of the Polar Lighting Pole is its integration with an

LED modular lighting system, placing it in the environmentally friendly category of green lighting solutions. LED technology is known for its efficiency, providing higher lumens output with significantly reduced power consumption. The LED module itself boasts an IP 68 protection rating, ensuring durability and reliability in various weather conditions. The selection of LED drivers is a result of careful consideration, focusing on factors such as harmonic distortion level (not exceeding 10 percent), power factor greater than 0.9, and surge protection.

The LED modules are individually rated at 60 watts, reflecting a commitment to providing ample illumination for urban spaces. This tailored approach is a result of extensive research and a deep understanding of the specific illumination requirements of diverse urban environments. The lighting arms, seamlessly integrated with the LED modular system, contribute to a cohesive and aesthetically pleasing design.

The control gear tray is prewired with terminal connectors, MCB (Miniature Circuit Breaker), and a loop-in loop-out arrangement. This streamlined

setup is located within the integral control box of the pole, enhancing convenience during installation and maintenance. The inclusion of essential features like surge protection and a power factor greater than 0.9 underscores the commitment to delivering a reliable and efficient lighting solution.

The 'K-LITE' Polar Lighting Pole is not only a testament to modern design and engineering but also addresses the increasing emphasis on sustainability. The focus on green lighting, coupled with the efficiency of LED technology, aligns with contemporary environmental considerations. The pole is supplied with the necessary foundation hardware for normal soil conditions, and its unique design adds a distinctive touch to urban landscapes.

To conclude, the 'K-LITE' Polar Lighting Pole with integrated LED Lighting Module stands out as a comprehensive and forward-thinking solution for city beautification. Its combination of design versatility, robust engineering, and environmentally conscious features positions it as a top choice for designers and urban planners aiming to create visually appealing, efficient, and sustainable lighting installations. ⚡