



www.aceupdate.com

ACE

ARCHITECTURE CONSTRUCTION ENGINEERING

UPDATE

MAHENG/2011/38968

Vol 15 Issue 05 • Pages 60

June 1, 2025

₹ 200/- • ISSN 2456-7965

INDUSTRY OPINION || LIGHTS

LIGHTING URBAN LANDSCAPES WITH K-LITE'S INNOVATIVE POLAR POLES

Energy-efficient lighting technology, excellent construction, and innovative design are all combined in K-LITE Polar Lighting Pole, created to satisfy the changing demands of modern urban infrastructure.

Polar Poles are designed for performance, durability, and aesthetic appeal, making it excellent for streetscapes, public areas, and modern architectural environments. The following are the essential aspects of the design, construction, and lighting modules.

Design and structure

The design and structural attributes of the product reflect a refined architectural appeal, making it an ideal choice for contemporary urban environments. It is available with multiple arm configurations—including single, double, L-arm, V-arm, square arm, and parallel arm—to accommodate diverse design requirements. Fabricated from high-quality mild steel (MS) and treated with an epoxy zinc phosphate primer, the product is finished with a durable, environmentally stable polyurethane paint. Furthermore, it is supplied with appropriate hardware, ensuring secure installation under standard soil conditions.

Construction and durability

The construction and durability of the product are engineered to withstand adverse outdoor conditions, ensuring long-term performance. It features special grooving and high-end MIG welding techniques that enhance structural strength and precision. Additionally, the integrated control box includes a service door, a secure



locking mechanism, and a safety chain, all designed to facilitate safe and efficient maintenance access.

LED lighting module

The LED lighting module is designed with an eco-friendly approach, qualifying under the green lighting category, offers high efficiency by delivering higher lumens while consuming lower power. The modules are IP68-rated, providing excellent protection against dust and water ingress. Each LED module operates at 60W and includes built-in surge protection. Additionally, the system maintains a harmonic distortion of less than 10 percent and a power factor greater than 0.9, ensuring reliable and energy-efficient performance.



K-Lite Industries Private Limited

D-10, Ambattur Industrial Estate, Chennai - 600 058.

Tel.: 26257710, 48581950

M.: 95000 79797, 95000 85511.

E-mail: info@klite.in

Website: www.klite.in