

High Performance Lighting System

The Centenario Industrial Park has a street lighting system designed to meet the highest standards in energy efficiency, operational safety, and environmental sustainability, aligned with the regulatory requirements applicable to primary roads.

Technical Specifications:

- Technology: Construlita brand LED luminaires, with an estimated useful life of 150,000 hours.
- Color temperature: 4000–5000K (optimal for human visibility).
- Luminaire power: 200 watts.
- Post height: 9-meter curved with 2-meter arm.
- Interpostal distance: 45 meters, optimized for uniform distribution.
- Color Rendering Index (CRI): High, ideal for surveillance and security.
- Instant ignition in the event of power variations or outages.
- Minimum Average Illuminance (E_{prom}): 15 lux, as required for primary roads.
- Illuminance Uniformity (U_{max}): 3.0 maximum, ensuring homogeneous light distribution and the elimination of dark areas.

Regulations and Certification:

- Compliance with NOM-013-ENER-2013 (energy efficiency in road lighting systems).
- Compliance with NOM-001-SEDE-2012 (safety in electrical installations).
- PAESE Certification (Electric Sector Energy Saving Program – CFE).