

Designed for Energy Efficiency

SPS300 | SPS310 | SPS320 | SPS330



Smart Lighting System

The Kyla Smart Lighting System consists a network of wireless nodes with built-in smart controllers, enabling efficient lighting use while ensuring user safety and security.

Designed to intelligently manage lighting based on demand, it achieves high energy efficiency, reduces electrical consumption, and extends the lifespan of your luminaires.

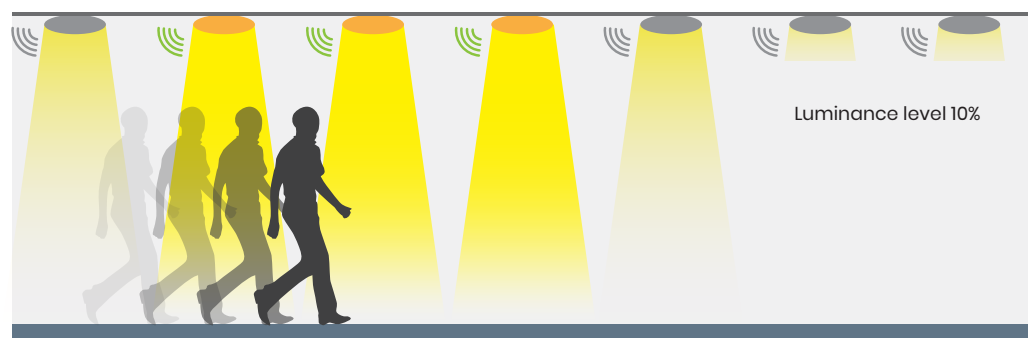
Kyla

Discover whole new Lighting Control Solutions

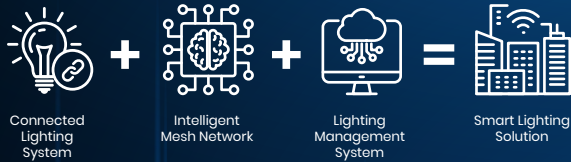


The Smart Lighting System integrates a Smart Lighting Controller with energy-efficient LED luminaires to deliver a sustainable and cost-effective lighting solution. Using intelligent sensors, the system detects movement, predicts direction, and adjusts brightness based on real-time conditions, ensuring energy is used only when and where needed.

According to the Building and Construction Authority (BCA), smart LED systems can achieve energy savings of 30% to 60% compared to conventional lighting systems. By combining advanced technology with eco-friendly practices, the Smart Lighting System offers a reliable, energy-efficient solution.



Kyla Smart Lighting Solution



Key Features & Benefits

- **Smart Lighting Controller**
The system integrates a Smart Lighting Controller with an LED luminaire to deliver an adaptive and efficient lighting solution.
- **Intelligent Motion & Photo-Cell Sensors**
Motion sensors detect movement and predict directional flow of pedestrians or vehicles.
Photo-cell sensors automatically adjust brightness based on ambient light conditions, ensuring optimal luminance at all times.
- **Automated Dimming & Energy Savings**
Lights gradually dim after a set period of inactivity, significantly reducing power consumption. Advanced algorithms balance energy savings with consistent visibility.
- **Wireless Communication & Real-Time**
Lights communicate wirelessly, enabling real-time data transmission to a central system. Operational data is logged for performance analysis, and remote diagnostics streamline maintenance. Faults and alerts are reported via email or the Lighting Management System for quick resolution.
- **Fail-Safe Mechanisms For Uninterrupted Lighting**
Built-in security features ensure security is not compromised in the event of sensor failure.

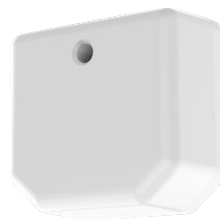
Key Solutions:

Hardware

LED Luminaire
Smart Lighting Controller

Software

IoT Platform
Central Management system



SPS300



SPS320



SPS310



SPS330

Kyla Smart Lighting System Project Reference:

- Smart Cities
- Commercial & Industrial Parks
- Residential Communities
- Highways & Roadways

Applications

- Multi-story or basement
- Lift lobby
- Void Deck
- Corridor/staircase
- Covered walkways

