



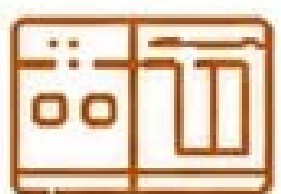
Daylight Harvesting (Natural Light) with LX1!

Smart Lighting Control Based on Natural Daylight in Warehouses

In large warehouses and industrial halls, a significant portion of natural light enters through windows or skylights. The LX1 lux sensor, by continuously measuring natural light intensity, sends information to the PLC so that the lighting system can be adjusted via LED control accordingly and only when needed. This approach significantly reduces energy consumption in the artificial lighting system.



Continuous measurement of natural ambient light



Automatic control of LED lighting fixtures



Suitable for industrial halls and warehouses

Reduced artificial lighting energy consumption



Integration with PLC or BMS



Preserves standard illuminance levels





LX1: Illuminance Measurement For Maintaining Workplace Safety Standards in Factories

In many industries, minimum safe lighting levels are defined for the work environment. The LX1 sensor measures the ambient light level and, if the light falls below the specified limit, activates a warning or emergency lighting system.



HMI System Warning



Suitable for Industrial Environments



Emergency Lighting Activation

Reduced Workplace Hazards



Continuous Ambient Light Monitoring



Maintaining Safe Lighting Standards



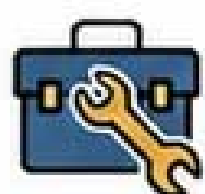
LX1



Performance Monitoring of Industrial Lighting

LX1; Lux (Natural Light) Modbus Transmitter

In factories, a gradual decline in natural light can cause dim or flickering lighting fixtures. The LX1 lux sensor, by continuously recording ambient light data, assists the maintenance system to replace or repair faulty lamps before light intensity drops.



Scheduled maintenance

Reduced downtime



Increased lamp service life

Detection of gradual light reduction



Support for the lighting system operation

Data logging in the maintenance system





LX1: Precise Light Intensity Measurement For Ensuring Accurate Test Results in Material Laboratories

In industrial laboratories where color or material testing is performed, light intensity must be precise and stable. The lux sensor, with feedback to the control system, helps maintain the light intensity at a specified level.



Reduced Error in Test Results



Suitable for Research Environments



Connection to Laboratory
Control System



Monitoring of Enclosed Light



Maintaining Test Standards



Precise Control of
Laboratory Lighting

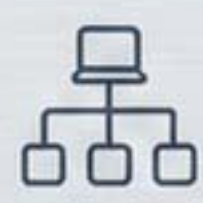


LX1: Precise Light Intensity Measurement to Protect Sensitive Goods

Some goods, such as medicines, food products, or chemicals, are sensitive to light. The lux sensor can monitor warehouse light intensity and, if light levels become excessive, activate the shading system or switch off the lights.



Continuous Lighting Monitoring



Connection to Warehouse Control System



Suitable for Pharmaceutical and Food Industries

Warehouse Light Intensity Control



Reduced Risk of Light Damage



Protection of Sensitive Goods





LX1: Illuminance Measurement

For Integration into Datacenter Management Systems

In datacenters, light control is important for maintenance and equipment security. The Lux sensor can monitor the light intensity of corridors and racks and send the data to the datacenter management system.



Energy Consumption Reduction



Server Environment Monitoring



Increased Datacenter Management Efficiency

Datacenter Lighting Monitoring



Connection to DCIM System



Improved Equipment Maintenance Conditions





LX1; Light Stabilization for Machine Vision Systems

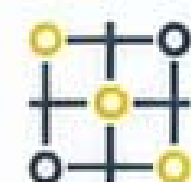
On production lines where machine vision is used for quality inspection, fluctuations in ambient lighting can cause errors in image processing. The LX1 lux sensor, with continuous monitoring of ambient light, allows the control system to regulate the intensity of vision lighting, keeping lighting conditions constant.



Consistent illumination
output quality



Control of vision lighting
brightness



Control of unwanted ambient
light interference



Monitoring of ambient
light variations



Reduced risk of inspection
errors



Performance support for
the vision system





LX1; Precise Light Sensing for Smart Parking Lighting Management

In covered or enclosed parking facilities, using light sensors to control lighting based on natural light improves energy efficiency. Whenever ambient light is sufficient, lamps dim or turn off, and lighting becomes active in dark or crowded hours.



Extended lamp lifespan



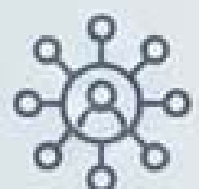
Reduced energy consumption



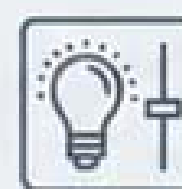
Suitable for covered parking facilities



Day and night light detection



Connection to building management systems



Automatic lighting control



LX1: Precise Light Intensity Measurement For Optimized Cold Storage Lighting

In cold-storage facilities, keeping the lights on continuously leads to additional energy consumption and heat generation. With the LX1 sensor, lighting is activated only when needed and turned off after the operator leaves, reducing energy consumption.



PLC Connection



Smart Lighting Control



Prevention of Additional
Heat Generation

Increased Lamp Service Life



Reduced Cold Storage
Energy Consumption



Suitable for Cold Industrial
Environments





LX1: Precise Light Intensity Measurement To Optimize Plant Growth in Smart Greenhouses

In industrial greenhouses, natural light intensity varies throughout the day. The Lux sensor measures the actual light and, if natural light decreases, activates the artificial lighting system to maintain the necessary light levels for plant growth.



Creating Stable Lighting Conditions



Greenhouse Energy
Consumption Reduction



Direct Connection to Agriculture
Automation

Increased Plant
Growth Efficiency



Precise Ambient
Light Monitoring



Artificial Light Activation
During Deficit

