

SMART PARKING LOT LIGHTING

Transforming Conventional Parking Facilities into Intelligent,
Energy-Efficient, Remotely-Managed Spaces



The Problem



Smart
Hardware

Wireless Mesh
Network

Cloud-Free and
Local Premise
Optional

Mobile +
SaaS App

Smart IoT-Powered Parking Lot Lighting System

Solution Overview

Stepless Dimming with Microwave Radar Sensing

How It Works?



*All the brightness values can be adjusted.

Why This Matter?



70-80%
Energy Saving



Adjustable
Sensitivity



Group/Zone
Coordination



Follow-Me
Lighting



Extended
Lamp Life

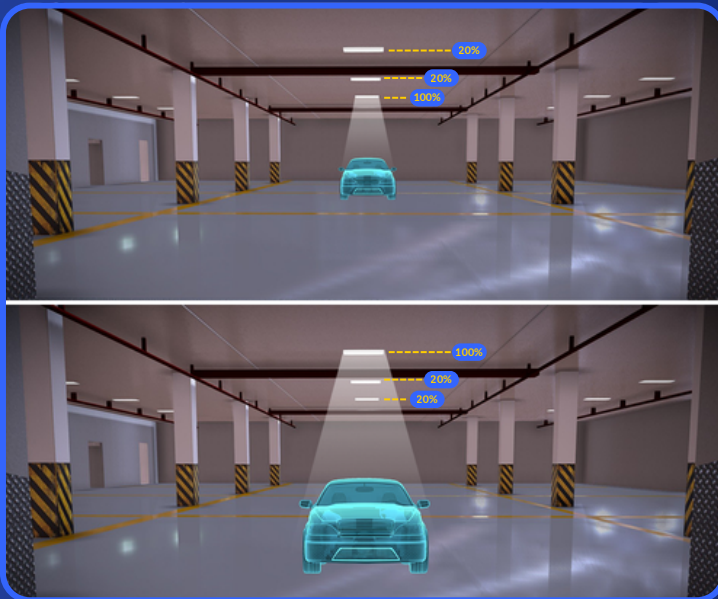
Group & Zone Sensing — Intelligent Light Guidance

Design A

Sequential Light Guidance



When a vehicle is detected, lamps ahead of the vehicle automatically illuminate one by one in sequence



Design B

Intersection Zone Lighting



When motion is detected near intersection, all lamps in the intersection zone activate



Both designs can be combined and customized. All brightness values (default 10% idle / 100% active) and timing are adjustable via the management platform.

Complete Hardware Kit — 4 Components

Primary Device

Bluetooth Mesh + Microwave
Radar T8 LED Tube



Installation Tool

IR + Bluetooth Remote
Control (T8 Pro)

Cloud Bridge

Gateway Pro
(LAN/Wi-Fi / 4G)



Energy Monitor

Smart Metering Circuit
Breaker / Electricity Meter

Cloud-Based Management & Control System

 **Sysstem
Management**



Fast, Simple Deployment



Ready to Transform Your Parking Facility?

✓ Site visit and lamp count survey

— Free



✓ Pilot installation on one floor

— Low Commitment Demo



✓ Energy savings report

— Free



✓ Management Service (After Sales)

— Free



70-80%

Energy Saved

24/7

Cloud Monitor

≤ 15 Month

Payback Period

50,000h

Lamp life

Illuvia Smart Lighting for Smart Parking

Smarter Parking.
Safer Experience.
Lower Energy.

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