

LED LINEAR LIGHT

Features

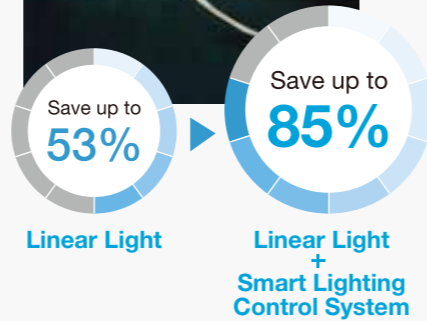
- Slim and simple design
- Various types of installations available (pendant, raceway, etc)
- Protection against dust and moisture (IP54 ↑)
- Smart lighting control and dimming available
- Long life up to 40,000 hours

Applications

- Parking lots, Factories, Warehouses, Offices, Educational facilities

Replacements

- FL 32 ~ 40W x 1 or 2
- POSCO LED 15/ 19/ 30W



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1. Cost-efficiency

- Smart lighting system turns on only when someone parks and only where people or cars pass by
- Saves up to 85% in energy costs compared to conventional lamps
- Long life and low maintenance costs

3. Safe Environment

- Spotlight effect that lights shine only on the areas where people or cars pass by reduces criminal minds

2. Modernized and Enhanced Spaces

- The small and lightweight characteristics enable products' compact design
- Improving working and living environment with highly uniform illuminance

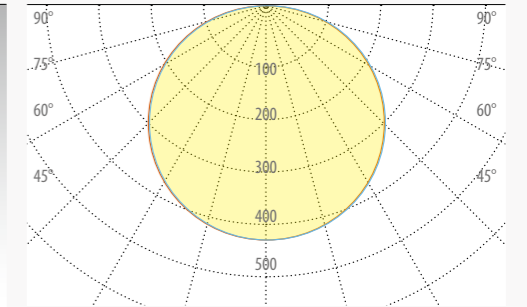
4. Differentiated Functions

- High luminous efficacy (80lm/W ↑)
- Light source protection against dust and moisture allows for preventing dust and insect inflow (IP54 ↑)

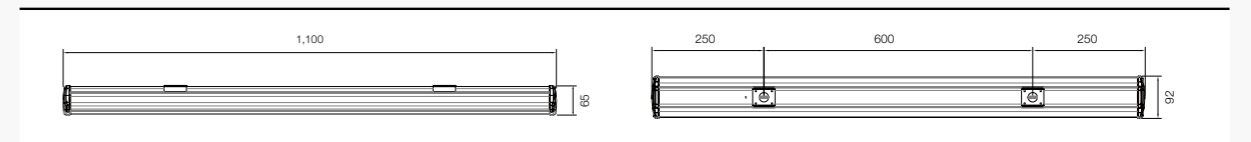
15/ 19/ 30W



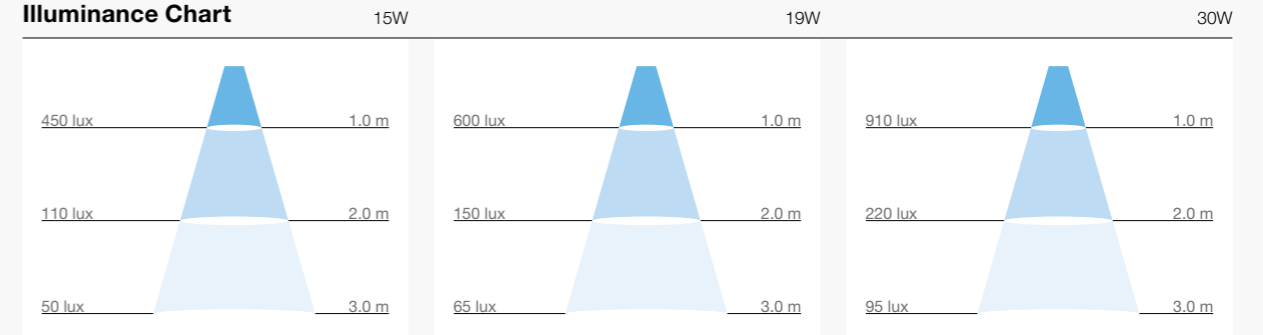
Light Distribution Curve



Dimensional Drawing (mm)



Illuminance Chart



Specifications

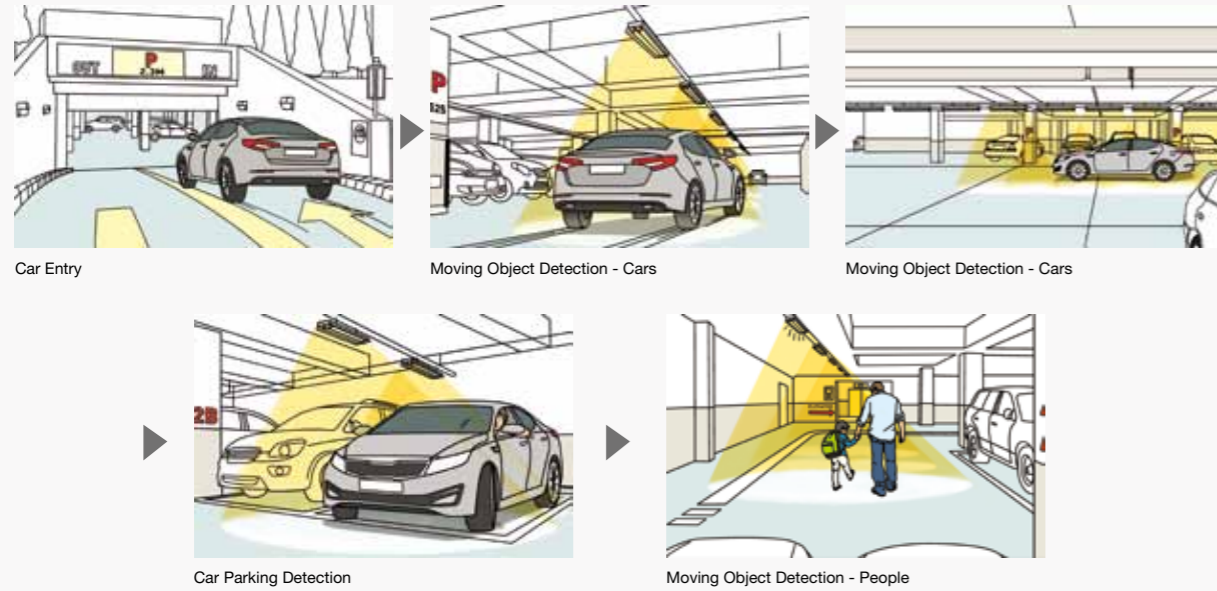
Product Code	Watts (W)	Vin (V AC)	CCT (K)	Lumens (lm)	Efficacy (lm/W)	Beam Angles (deg.)	CRI (Ra)	Weight (kg)	Dimensions (LxWxH)mm
PPLRW154C2C00	15	100 ~240	6,500	1,300	83 ↑	120	75 ↑	1.5	1,100 x 92 x 65
PPLRW194C2C00	19	100 ~240	6,500	1,600	83 ↑	120	75 ↑	1.5	1,100 x 92 x 65
PPLRW304C2C00	30	100 ~240	6,500	2,500	83 ↑	120	75 ↑	1.5	1,100 x 92 x 65



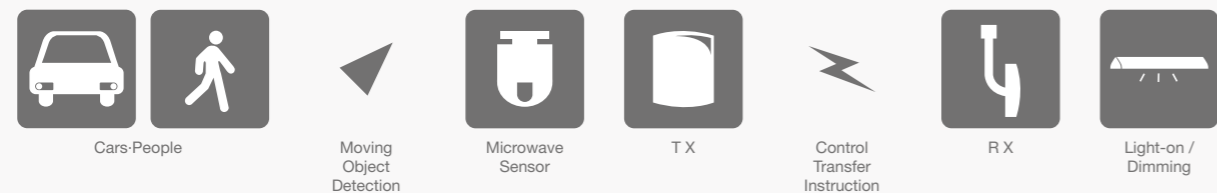
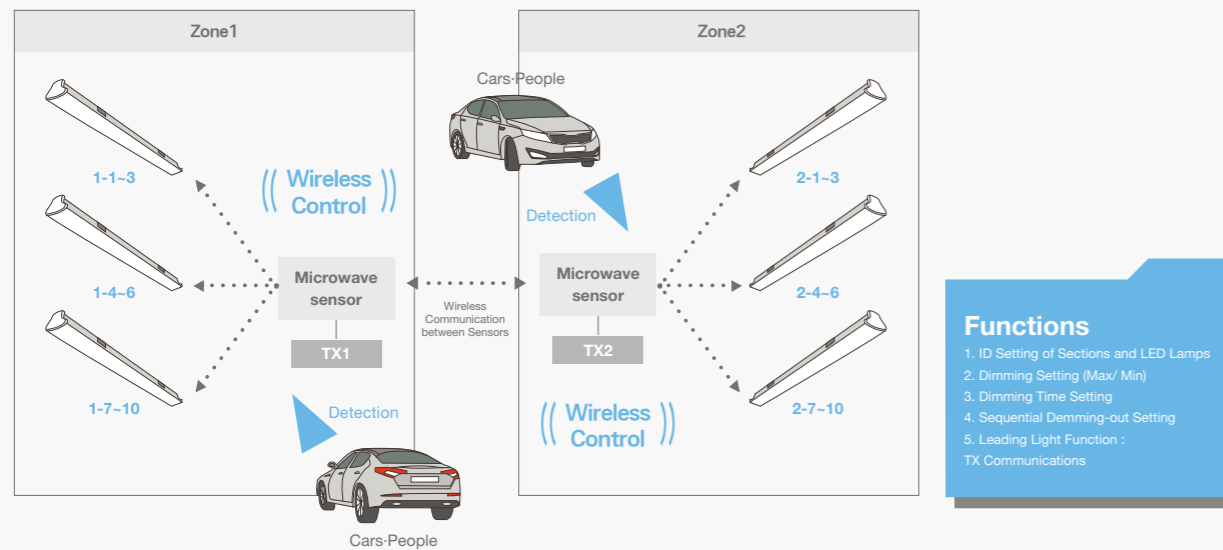
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Smart LED Lighting System



Operating Principles of Smart Lighting System



ENERGY SAVING 53%

TREES 1,515 trees ↑

CO₂ 30,308 kg ↓

ENERGY 71,482 kWh ↓

COST 6,498 USD ↓

The annual effects of replacing 240 conventional lamps with POSCO LED products

Note : Values based upon 12month, 22days/months, 10hrs/day, electricity cost = 90KRW/kWh, exchange rate : 1USD = 1,100KRW, annual CO₂ absorption/ tree = 20kg

POSCO ICT Smart Building

POSCO ICT Smart building annually saves 6,498USD and 71,482kWh of electricity by replacing about 240 conventional lamps with energy-efficient and eco-friendly POSCO LED lights. Furthermore, it reduces 30,308kg of CO₂ emission per year, which is equivalent to planting 1,515trees a year.



	Existing Lights	POSCO LED Lights	Replacement
kWh/ year	134,553	71,482	• FL 32 ~ 40W x 1 or 2 • POSCO LED Linear Light 15/ 19/ 30W
Energy Saving		53 %	
CO ₂ reduction (kg) per year		30,308	
Energy cost saving (₩) per year		7,148,160	