



LED STREET LIGHTING  
FOR HIGHWAY



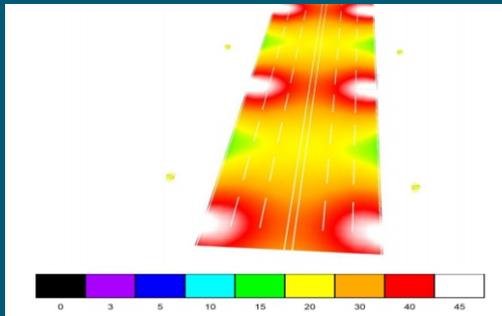
Urban-Pro Series  
30W to 300W Range

The Urban-Pro range has a variety of options which have been developed specifically for street and road lighting environment. The system offers exceptional optical performance, thermal management, flexibility and high efficiency.

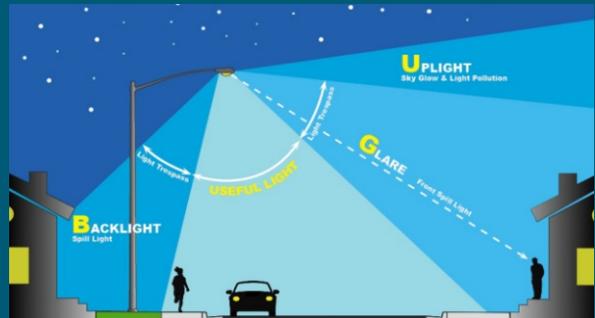


# PERFECT LIGHT FOR HIGHWAY

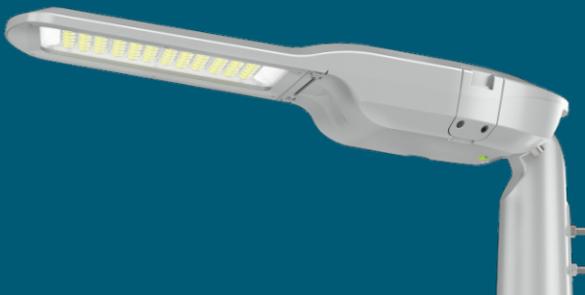
Needless to say, having reliable lighting for highways is extremely important. Our LEDs provide the necessary lumens for safety considerations while keeping energy costs and environmentally harmful emissions at a minimum.



ME2 STANDARDS



LIGHT CONTROL



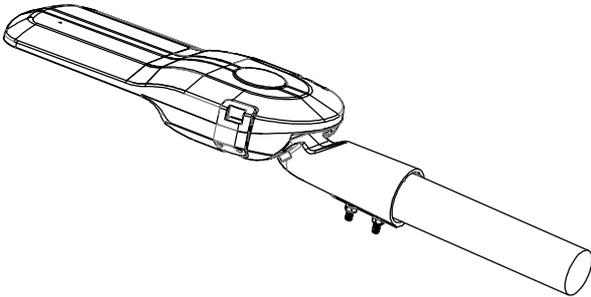
## Most Possibility for Projects



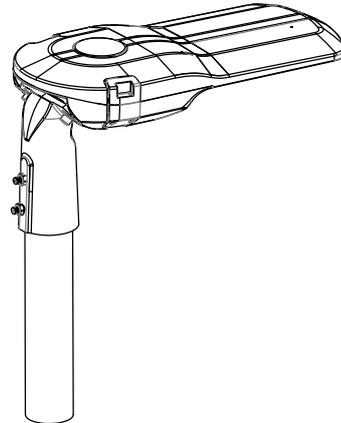
- Tool-less access
- Easy, fast wiring and installation
- Contractor-friendly maintenance



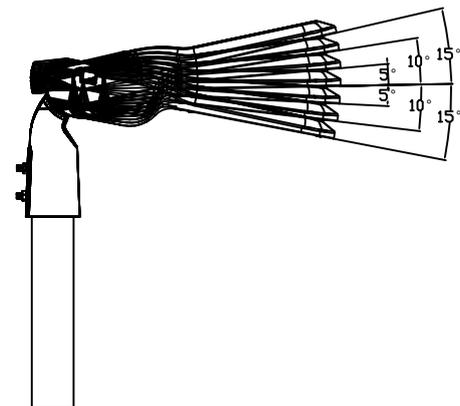
- Quick replacement for LED and Driver compartment
- Automatic electrical isolation when opened
- Easy electrical testing without altering wiring



Side Entry  
40/50/60mm



Post Top  
40/50/60mm



The lamp head could be rotated by  $\pm 15$ DEG, which is flexible enough to fit for your projects requirements



## LED Street Light

### Key Advantages

- Tempered glass with 94% light transmittance
- High intensity die-cast aluminum body with an IK10 impact grade and tempered glass cover rated IK08.
- High product reliability by applying 13 steps painting process.
- High efficiency coating. Paint and metal parts successfully passed the 500 hours salt spray test.
- Modular optical lens design, easy to upgrade in the future.
- Detachable design and use of fast turn off power protector render this luminaire convenient and safe for maintenance.
- 10kV Surge Protection Device included.
- Available with Electrical Protection Class I or Class II.
- Cost-effective and efficient lighting solution for a fast return of investment.
- 4 sizes for flexibility
- Easy installation and maintenance
- Programmable Drivers - Smart-ready
- ENEC CLASS I + CLASS II

### Characteristics

<b>Power consumption</b>	30W - 300W
<b>Typical Luminaire output flux</b>	3900Lm - 48000Lm
<b>Color temperature</b>	2200K - 6500K
<b>CRI</b>	CRI70, CRI80 available on request
<b>LED Chip</b>	Lumileds
<b>Nominal voltage</b>	AC 120-277V, 50/60Hz
<b>Driver Brand</b>	Done/Sosen/Meanwell
<b>Surge Protection</b>	10kV/20KV
<b>Smart Control Options</b>	Photocell/Dimming/Timer
<b>Product IP Class</b>	IP66
<b>Material</b>	Die cast aluminum & Tempered glass
<b>Housing Color</b>	Grey/Black/Silver
<b>Installation options</b>	Post Top/Side Entry
<b>Recommended Installation Height</b>	4m - 12m
<b>Operating temperature</b>	-40°C ~ +50°C
<b>Optics</b>	Type I S/M/L, Type II S/M/L, Type III S/M/L

### Features & Certificates



### Applications



Roads & Motorways



Urban & Residential Streets



Bike & Pedestrian paths



Public squares & Pedestrian Streets



Parking lots



Bridges



Industrial areas



Railway & Metro stations

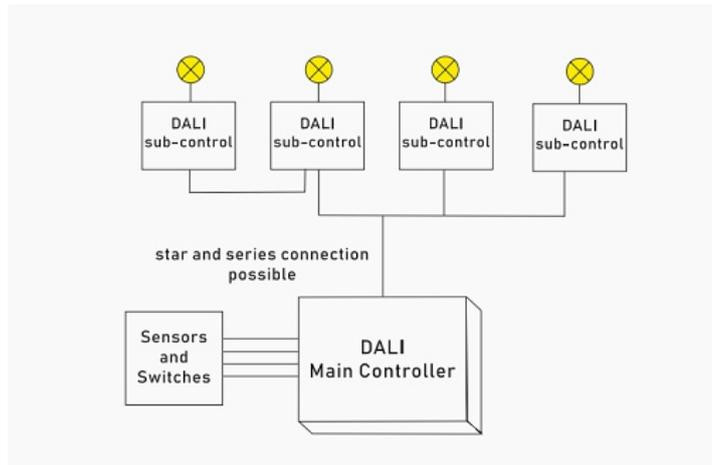
# Dimming Function

## DALI



Dali with full name “Digital Addressable Lighting Interface” is a communication protocol for building lighting applications and is used for communication between lighting control devices, such as electronic ballasts, brightness sensors or motion detectors.

In the meantime, the DALI-2 standard has been published within the framework of IEC 62386, which defines not only the operating devices but also the requirements for the control devices, which also include our DALI Multi-Master.

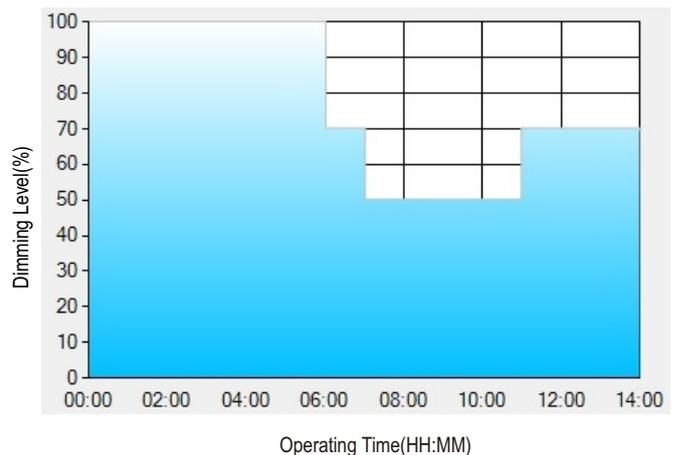


## TIMER



Time dimming control includes 3 kinds of modes, they are Self Adapting-Midnight, Self Adapting Percentage and Traditional Timer.

1. Self Adapting-Midnight: Automatically adjusts the dimming curve based on the on-time of past two days (if difference <15 minutes), assuming that the center point of the dimming curve is midnight local time.
2. Self Adapting-Percentage: Automatically adjusts the on-time of each step by a constant percentage = (actual on-time for the past 2 days if difference <15 min) / (programmed on-time from the dimming curve).
3. Traditional Timer: Follows the programmed timing curve after power on with no changes.



Set up Smart timer dimming software program:

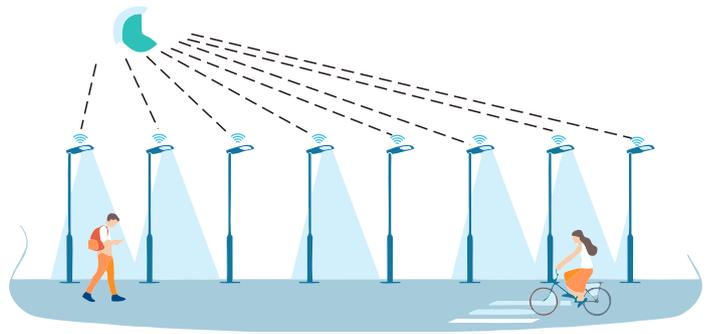
	T1	T2	T3	T4
TIME**	06:00	07:00	11:00	---
LEVEL**	100%	70%	50%	70%

# PHOTOCELL



Street Light Photocell is A common light-sensing component is the cadmium sulfide photo-resistor, also known as a CdS cell. A photo-resistor changes its resistance based on the amount of light that hits it.

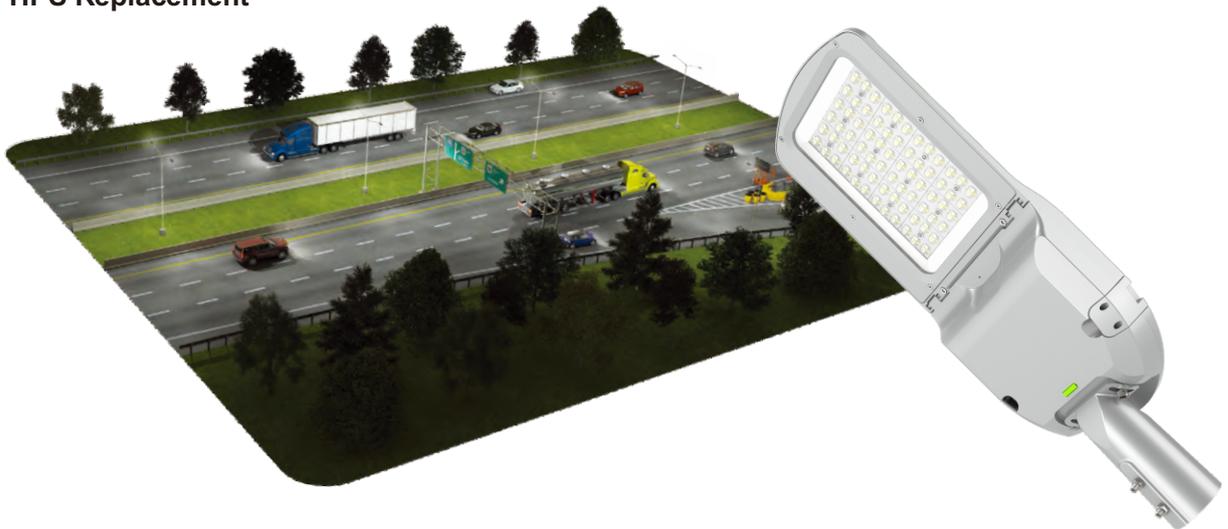
It utilizes the infrared energy from humans as a control-signal source and can start the load at once when one enters a detection field. Even more, it can identify day and night automatically. And it is easy to install and used widely.



## Application Example

### Urban-Pro - LARGE

up to 400W HPS Replacement



#### PERFORMANCE SUMMARY

**Initial Delivered Lumens:** Up to 38,400 lumens

**Input Power:** Up to 240 watts

**CCT:** 2700K, 3000K, 4000K, 5700K

**Dimensions:** L: 693mm / W: 300mm / H: 109mm

**Weight:** 6.5kg

**Replaces up to:** 400W HPS

#### APPLICATIONS



##### Highway

Make entering the flow of highway traffic smoother for drivers in your community with the Urban-Pro Series. Our luminaires improve visibility when entering and exiting on-ramps, and help drivers see cars merging from side roads. The luminaire's fast installation and a minimal need for maintenance minimize traffic disruption and crew exposure in congested and/or high-speed areas.

A photograph of a modern street lamp on a bridge at night. The lamp is white and has a large, flat, rectangular light fixture with a grid of small lights. The bridge has a metal railing and a wet surface that reflects the light. In the background, there are city buildings and other street lamps. The sky is dark blue.

# GRIDNET AFRICA

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