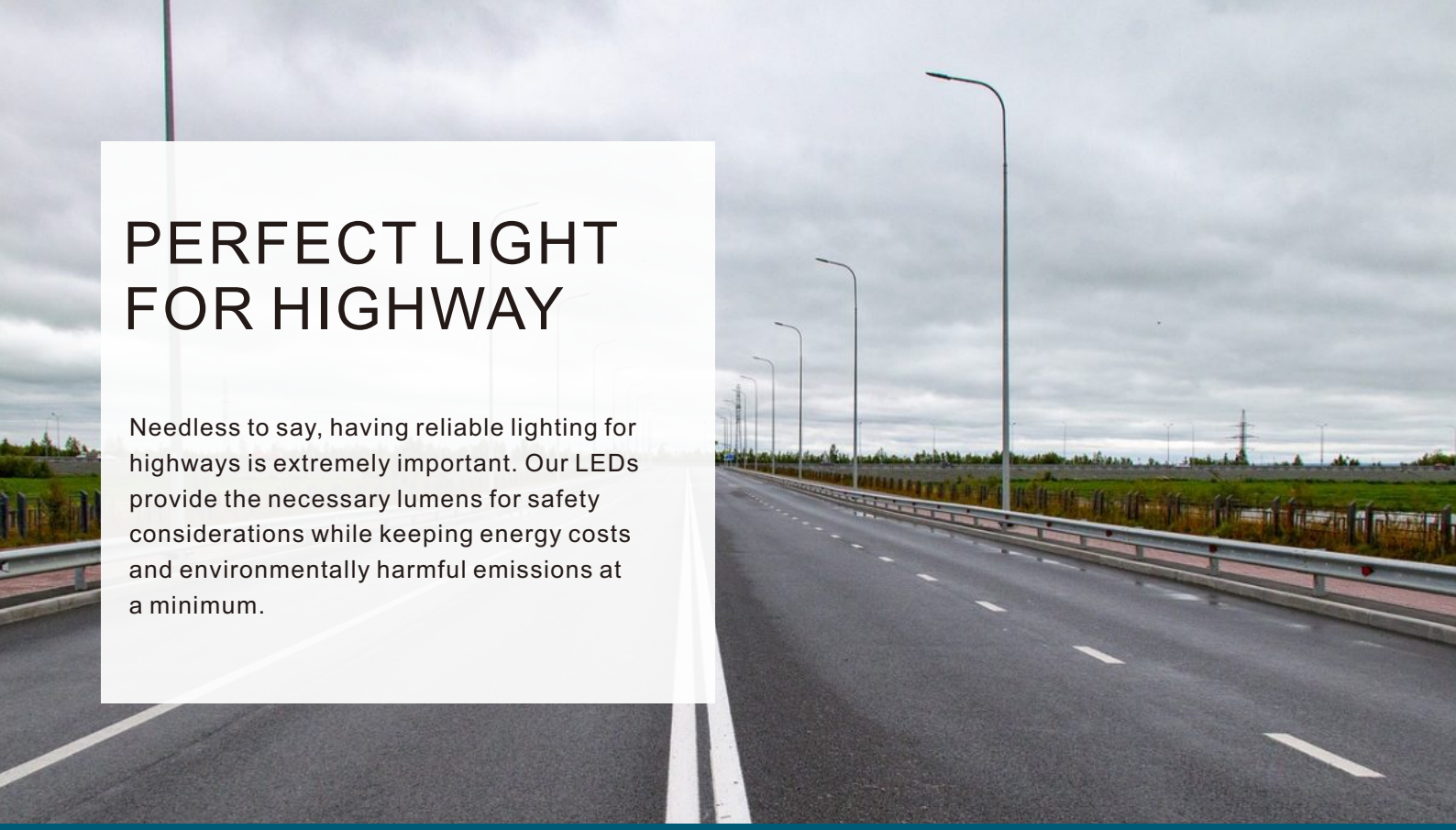
gridNet

LED STREET LIGHTING FOR HIGHWAY

Urban-Pro Series

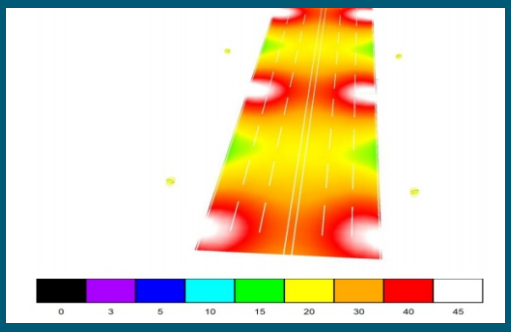
30W to 300W Range

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.

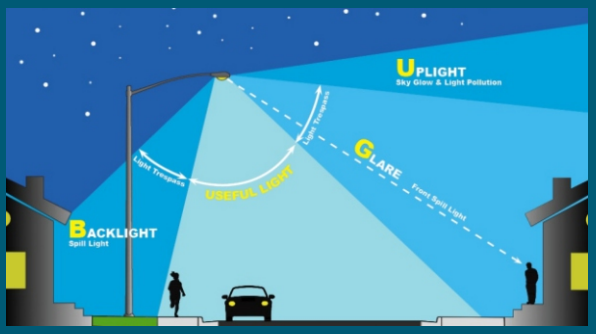


PERFECT LIGHT FOR HIGHWAY

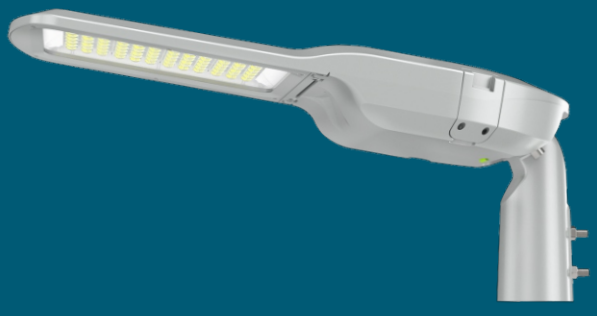
Needless to say, having reliable lighting for highways is extremely important. Our LEDs provide the necessary lumens for safety considerations while keeping energy costs and environmentally harmful emissions at a minimum.



ME2 STANDARDS



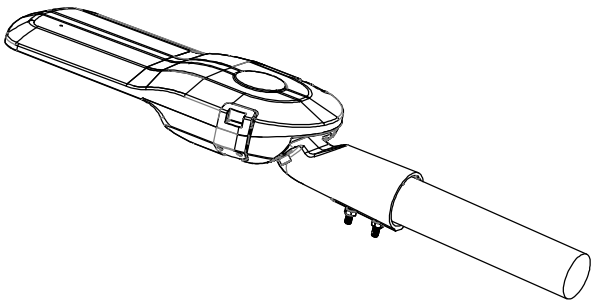
LIGHT CONTROL



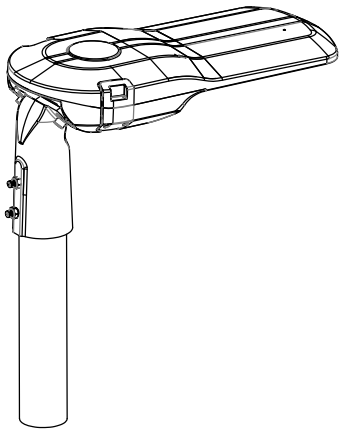
Most Possibility for Projects

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

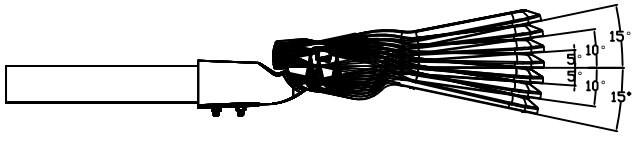
-Quick replacement for LED and Driver compartment
-Automatic electrical isolation when opened
-Easy electrical testing without altering wiring

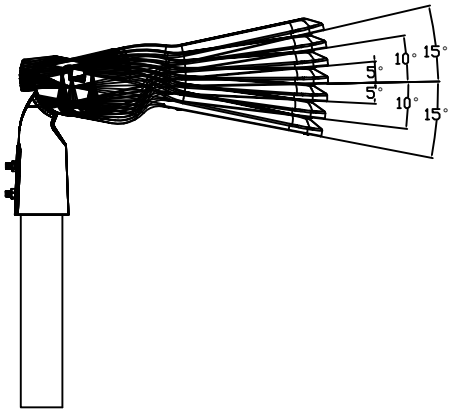


Side Entry
40/50/60mm



Post Top
40/50/60mm





The lamp head could be rotated by±15DEG, 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 proccess.
- High efficiency coating. Paint and metal parts succefully 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 installatiion and maintenance
- Programmable Drivers - Smart-ready
- ENEC CLASS I + CLASS II

Characteristics

Power consumption	30W - 300W
Typical Luminaire output flux	3900Lm - 48000Lm
Color temperature	2200K - 6500K
CRI	CRI70, CRI80 available on request
LED Chip	Lumileds
Nominal voltage	AC120-277V, 50/60Hz
Driver Brand	Done/Sosen/Meanwell
Surge Protection	10kV/20KV
Smart Control Options	Photocell/Dimming/Timer
Product IP Class	IP66
Material	Die cast aluminum & Tempered glass
Housing Color	Grey/Black/Silver
Installation options	Post Top/Side Entry
Recommended Installation Height	4m - 12m
Operating temperature	-40°C ~ +50°C
Optics	Type I S/M/L, Type II S/M/L, Type III S/M/L

Features & Certificates

5yrs Warranty

IP66

Ik08

LM80 18000hrs

TM21

CE

EMC

RoHS

130Lm/W

155Lm/W

Applications

Roads & Motorways

Urban & Residential Streets

Bike & Pedestrian paths

Public squares & Pedestrian Streets

Parking lots

Bridges

Industrial areas

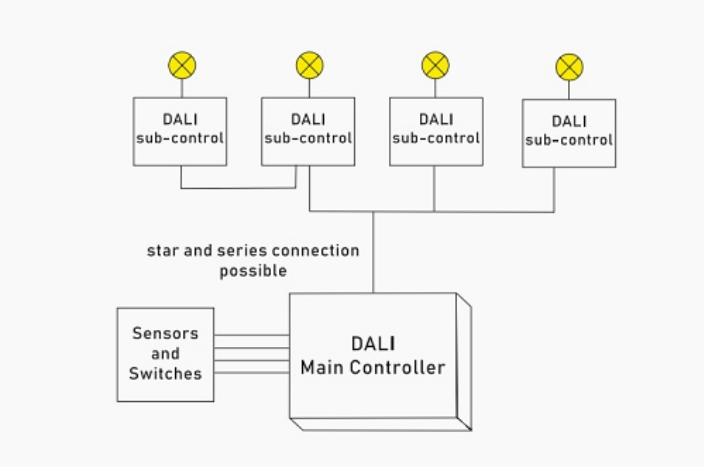
Railway & Metro stations

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.



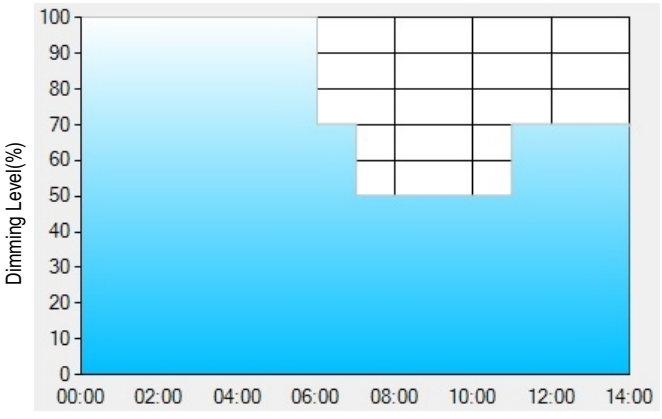
TIMER

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.



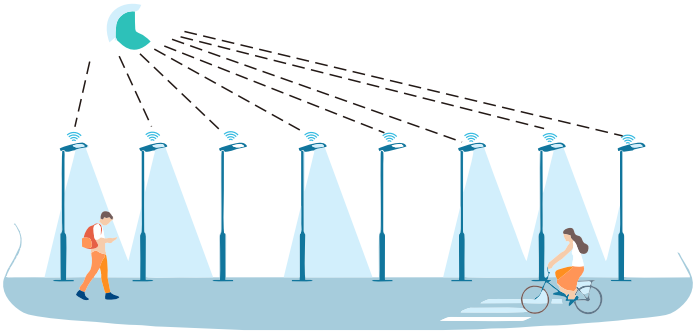
Set up Smart timer dimming software program:

	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.

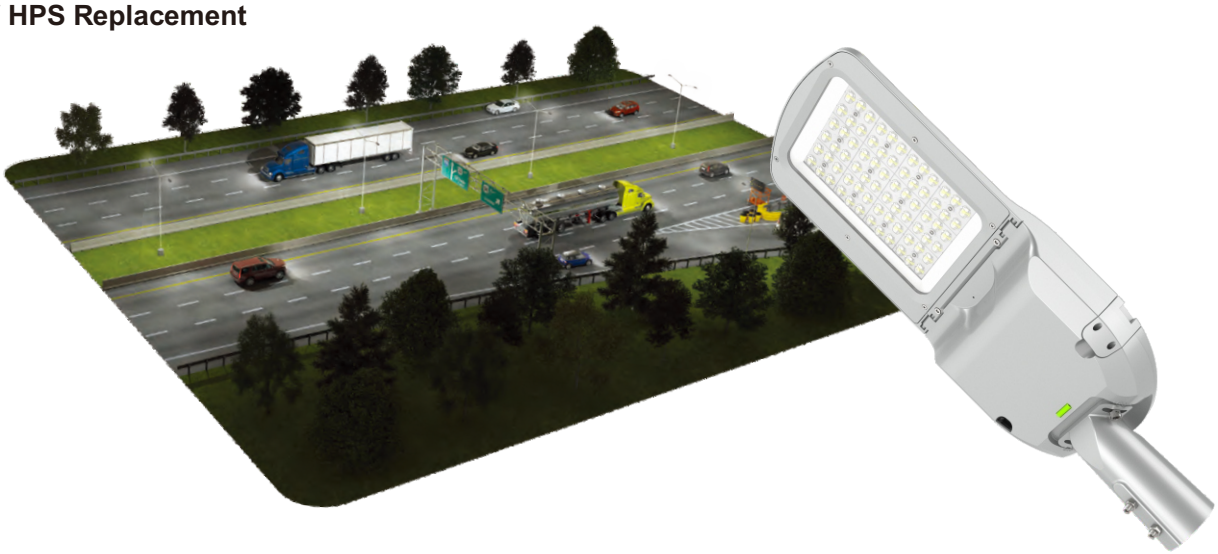
It utilizes the infrared energy from humans as a control-signal source and can start the load at once when one enters a detection field. Even more, it can identify day and night automatically. And it is easy to install and used widely.



Application Example

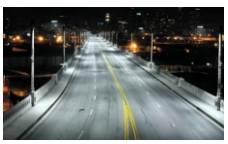
Urban-Pro - LARGE

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 luminaries 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.

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