STREET LIGHT



STREET LIGHT

Made in Thailand
MIT6405001299

มอก.902 เล่ม 2(3)-2557

TIS 1955 2551

SOFT START



WIP®

3 YEARS Warranty

Signature Designed by WIP

WJD SERIES

Specification

The light shell is die-casted using high-quality aluminium. With optic series specially designed for street lighting, they provide high efficiency and uniform lighting which saves up to 85% energy. The integrated molding of the lamps and electric appliances gives the product its compactable size and trendy appearance. The protection of the product is IP66 rated for its resistance to moisture and dust. This design is suitable for streets, parking spaces, highways and parks in villages.

Input Voltage	100-240Vac50/60Hz.	LED Light Source	Lumileds, Everlight	Housing	Aluminium Die Casting
Input Voltage Range	100-305Vac50/60Hz.	CRI	>70	Finishing	Powder Coated in gray
Power Factor	>0.95	CCT	2700K, 3000K, 4000K, 5000K, 6500K	Gasket	Rubber
Beam Angle	70°/150°	Driver	Meanwell / Inventronics / Moso / Sosen	Surge Protection	10kV
Work Temperature	0°C to + 55°C			Soft Start	10% to 100% in 30 sec.
LED Life Time	50,000 hrs.			IP Rating	IP65
Lens Material	PMMA, PC			Warranty	3 Years

Model	Power (W)	Luminous Flux (lm)	Efficiency (lm/W)	Weight (Kg.)	Dimension (mm.)	standard
WJD-30	30	4,200	140	4.43	243x96x654	
WJD-40	40	5,600	140	4.43	243x96x654	
WJD-50	50	7,000	140	4.43	243x96x654	
WJD-60	60	8,400	140	4.43	243x96x654	
WJD-80	80	11,200	140	4.43	243x96x654	
WJD-100	100	14,000	140	4.43	243x96x654	
WJD-120	120	16,800	140	5.53	298x96x709	
WJD-150	150	21,000	140	5.53	298x96x709	
WJD-180	180	25,200	140	7.16	343x101x829	
WJD-200	200	28,000	140	7.16	343x101x829	
WJD-240	240	33,600	140	7.16	343x101x829	

IEC : 61000-4-5 The International Electrotechnical Commission's international standard on surge immunity.

IEC : 60529 Ingress Protection Rating

IEC : 60598-2-3 Particular requirements - Luminaires for road and street lighting

IEC : 62262 Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts

IEC : 60068-2-11 Salt Spray Test

EVERLIGHT® INVENTRONICS MOSO®

Lit by LUMILEDS · MEAN WELL · LEDiL · SOSEN · IP65 · 10KV SURGE PROTECTION · 140 Lm/W · TIS 1955 2551 · RoHS · Green Industry · Products of Thailand

Eff. Date 04/08/25
Rev.3

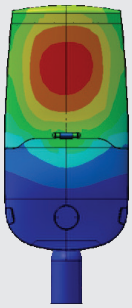
STREET LIGHT

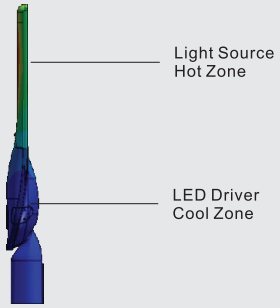
Thermal management

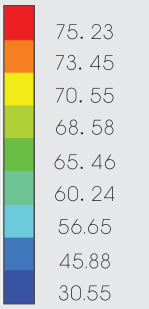
THERMAL MANAGEMENT

Structure is optimized by advanced FEA technology. Achieving longer lifespan at best cost-efficiency.



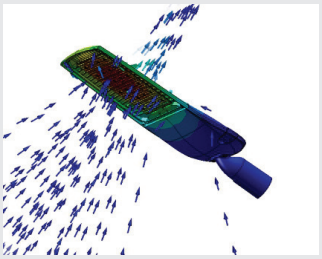




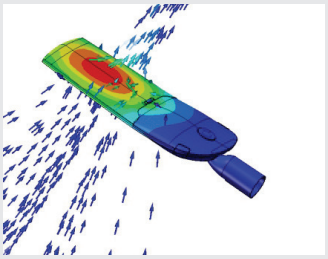


Unit:℃

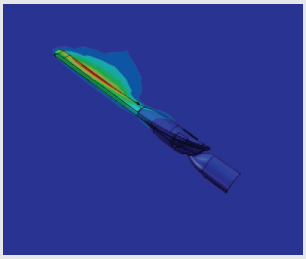
Thermal Conductivity



Thermal Air Convection



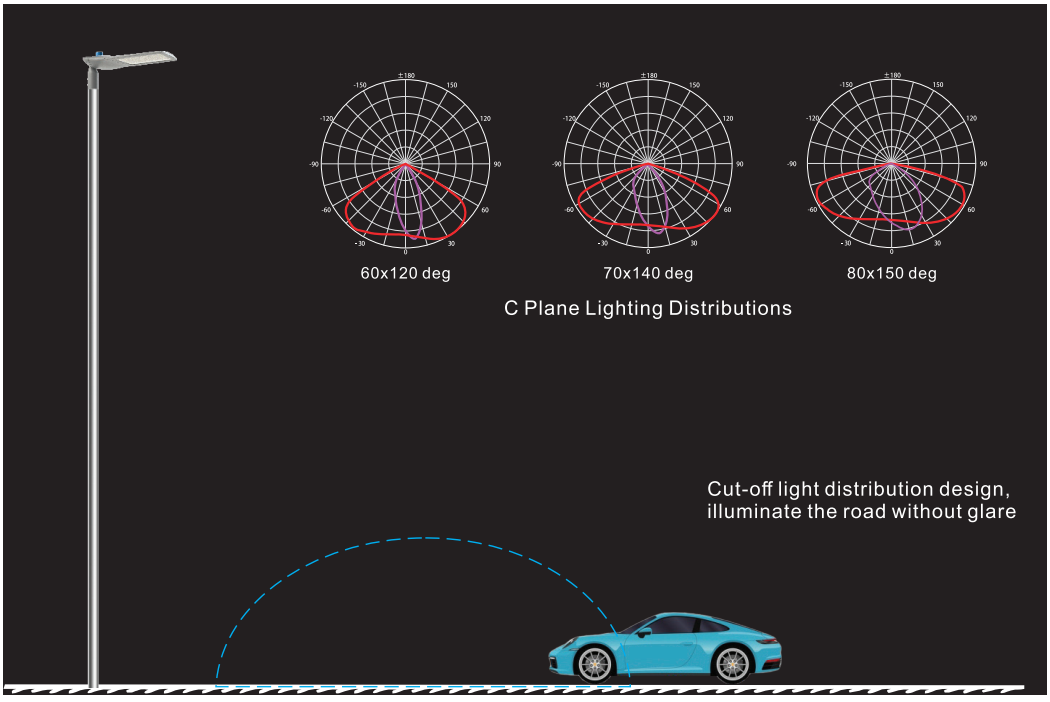
Thermal Air Convection



Thermal Conductivity

Optic

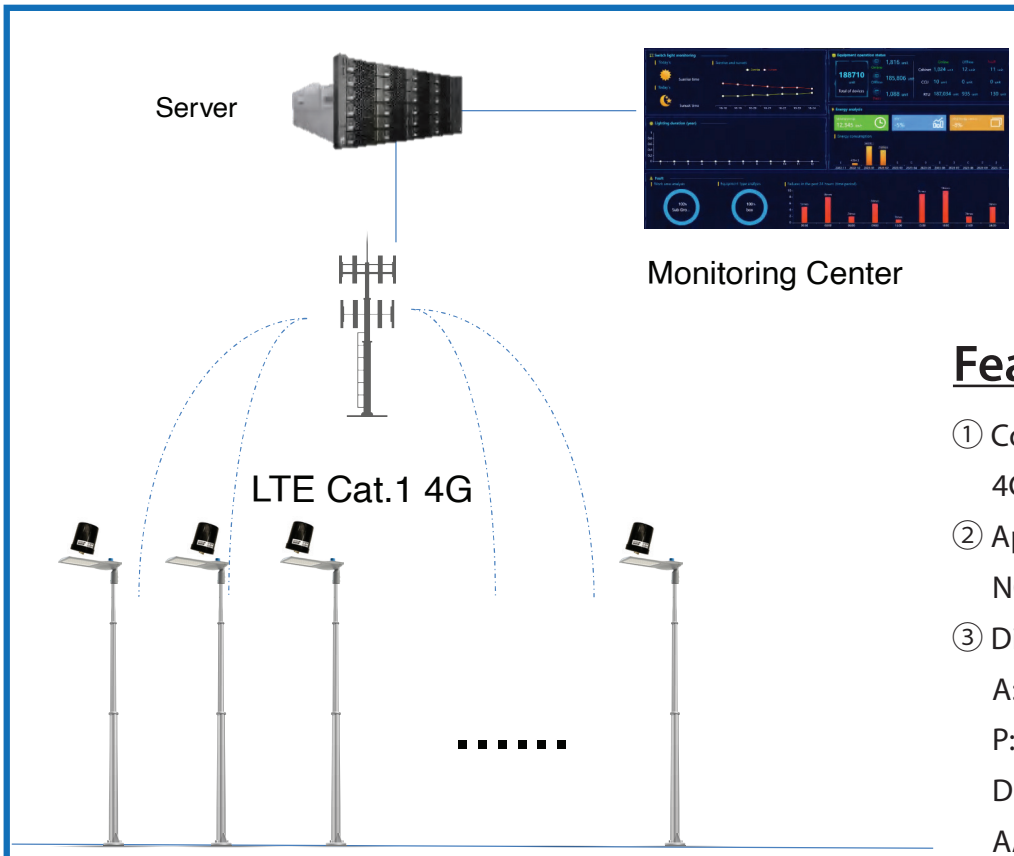
Tech. Support: Tell us the room length, width, height and the usage.
We have an engineer team to respond the DIALUX simulations for
lights quantity calculation and effects. ies files are available upon request.



STREET LIGHT

Smart Lighting Solution

Option 4G : LTE Cat.1 Lighting Controller



Features

① Communication mode
4G: LTE Cat.1
② Appearance type
N0: NEMA ;
③ Dimming mode
A: 0-10V dimming.
P: PWM dimming.
D: DALI dimming.
AA: Two way 0-10V dimming.

Default : 0-10V dimming.

Terminal Controller Advantage



Multiple Networking Modes

The single-light controller can be networked using a variety of communication methods. For example, PLC (Power Carrier), PLC and RF433 Dual Mode, zigbee, LoRaWAN, 4G CAT.1 and other methods.

Flexible light control mode

Remote lights on, off, dimming. Support single, partial, full loop and other control light mode, to meet the grouping, midnight light applications

Luminaire real time data

Current, voltage, power, light duration and other data are fully collected..

Real-time fault alarm notification

Support real-time autonomous alarm feedback push, including lamp open circuit, lamp overcurrent, lamp short circuit and other fault alarm

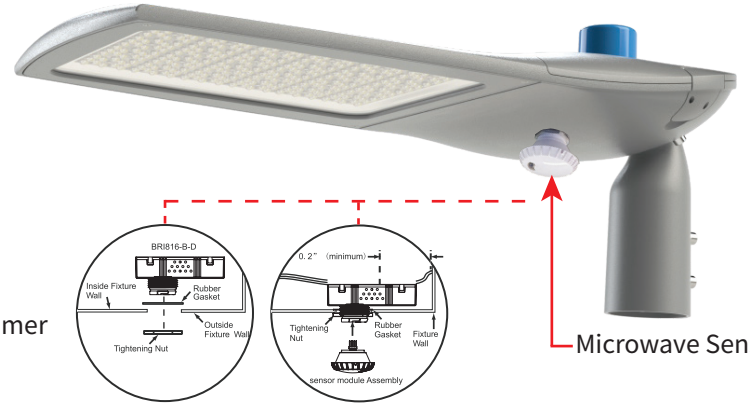
STREET LIGHT

Smart Lighting Solution

Option Microwave Sensor



Sensor Remote Programmer

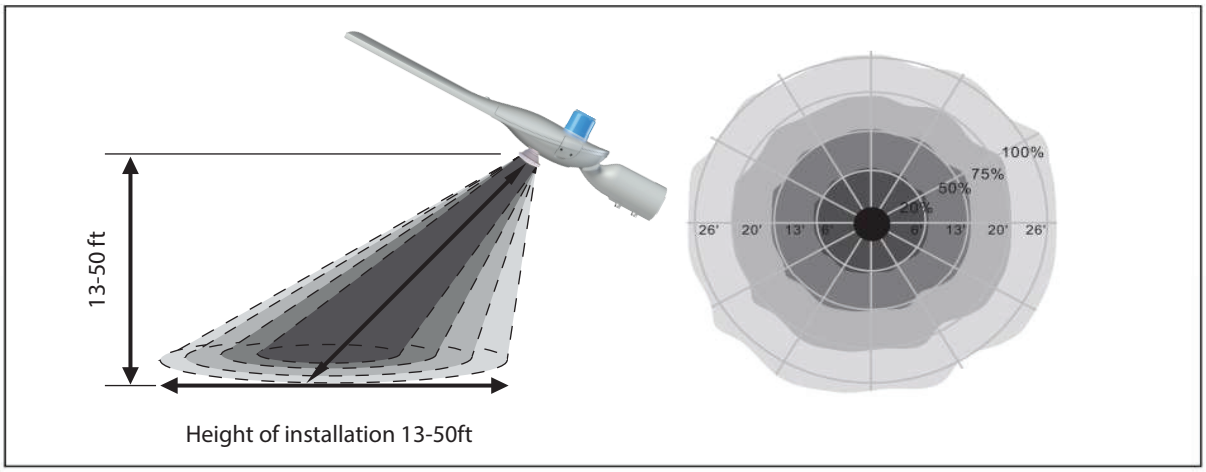


Microwave Sensor

Main Functions Microwave Sensor

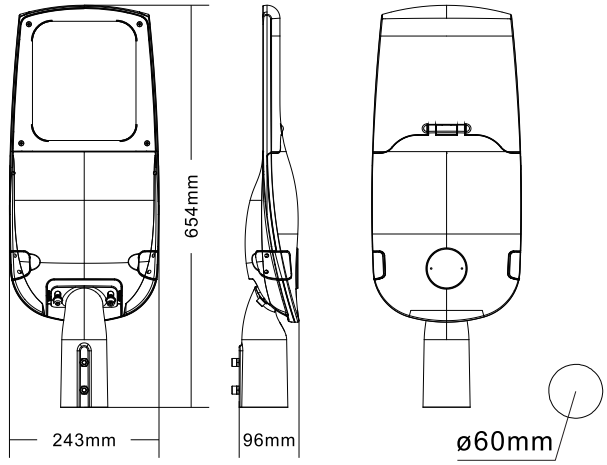
Dim Control Option	0-10V, Max. 25mA, Sinking Current
HF System	5.8GHz. +/- 75 MHz.
Mounting High	Max. 50ft (15 Meters)
Brightness Setting	70%, 80%, 90%, 100%
Detectection Radius (Sensitivity)	20%, 50%, 75%, 100% (1-8M)
Hold Time Setting	10S, 1m, 5m, 10m, 15m (Dip Switch setting)
	10S, 1m, 5m, 10m, 15m, 20m, 30m, 60m (Remote setting)
Daylight Sensor Setting	**Light On** (Lux) : 10, 30, 50
	Light Off (Lux) : 100, 300, 500
Stand By Setting	**Dim** : 0%, 10%, 30%, 50%
	Time : +∞, 1m, 30m, 60m
Mode Selected	Mode1, Mode2, Mode3 and Mode4
IP Rating	IP65

SENSOR COVERAGE

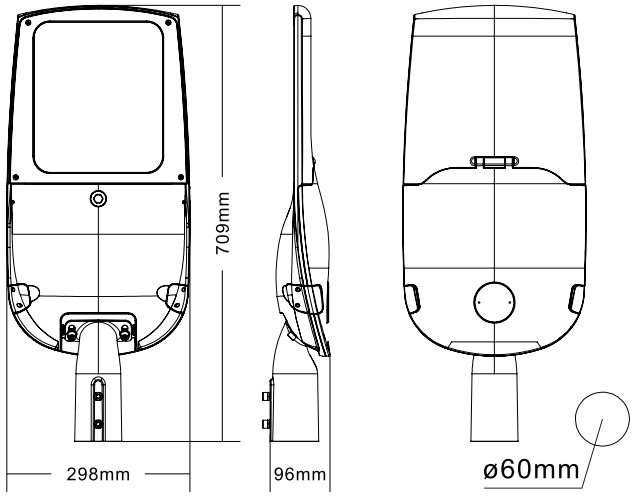


STREET LIGHT

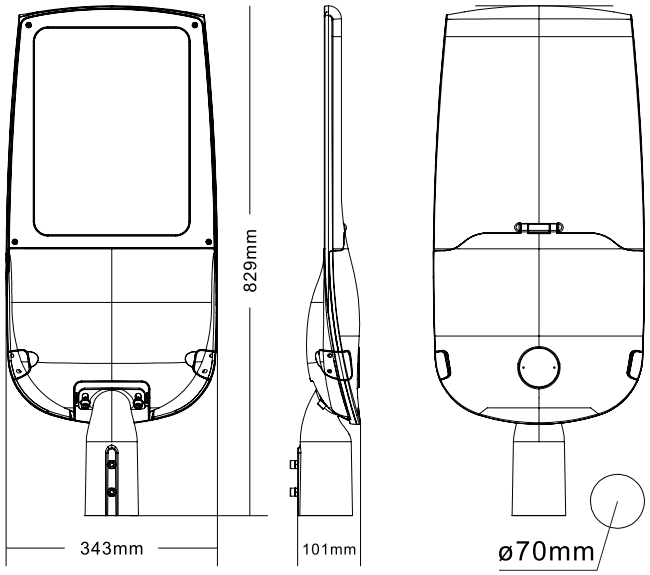
Dimension (mm.)



Type A (30-100W)



Type B (120-150W)

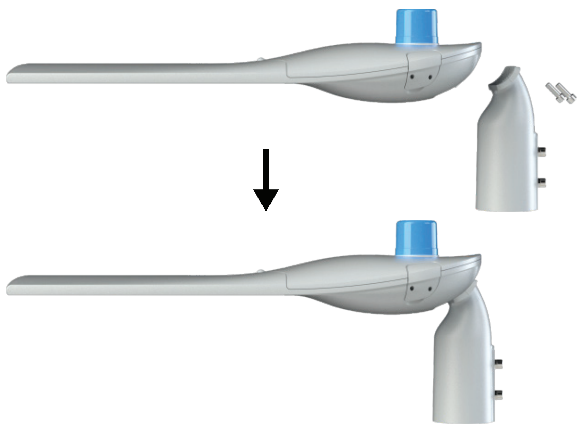


Type C (180-240W)

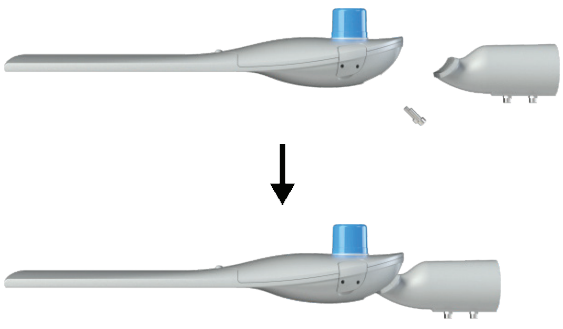
Model	Type	Dimension (mm.)		
		(W)	(H)	(L)
WJD-30	A	243	96	654
WJD-40	A	243	96	654
WJD-50	A	243	96	654
WJD-60	A	243	96	654
WJD-80	A	243	96	654
WJD-100	A	243	96	654
WJD-120	B	298	96	709
WJD-150	B	298	96	709
WJD-180	C	343	101	829
WJD-200	C	343	101	829
WJD-240	C	343	101	829

INSTALLATION METHOD

Two Installation Methods



Vertical installation



Horizontal installation

STREET LIGHT

Assembly Parts



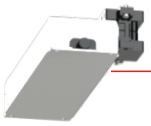
Optional with Photocell Sensor



ADC12 Die-casting Aluminum Back Cover

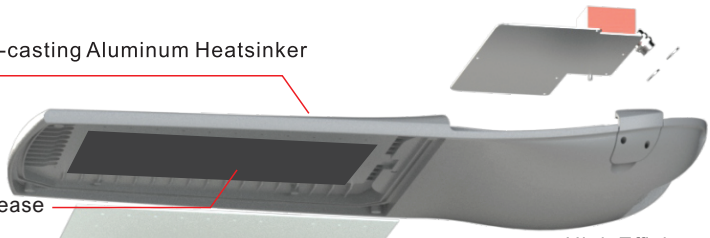


Waterproof Silicone Ring

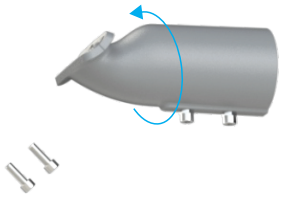


Famous Brand Waterproof LED Driver

ADC12 Die-casting Aluminum Heatsinker



Thermal Grease



High Efficiency Aluminum PCB

Nano-plastic Reflector

High Lumen 3030 SMD Light Source

UV-proof Optical Lens

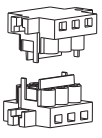


Waterproof Silicone Ring

Strong Installation Holder

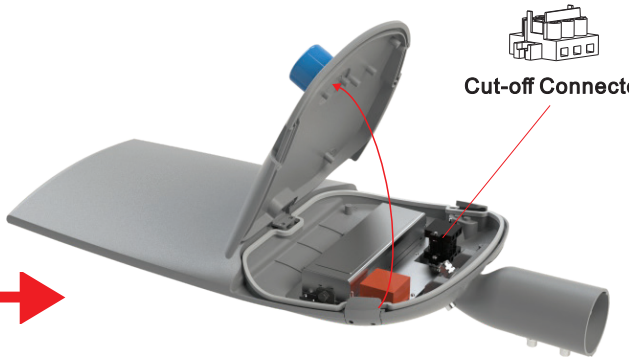
Fully Tempered Glass Cover

ADC12 Die-casting Aluminum Cover



Cut-off Connector

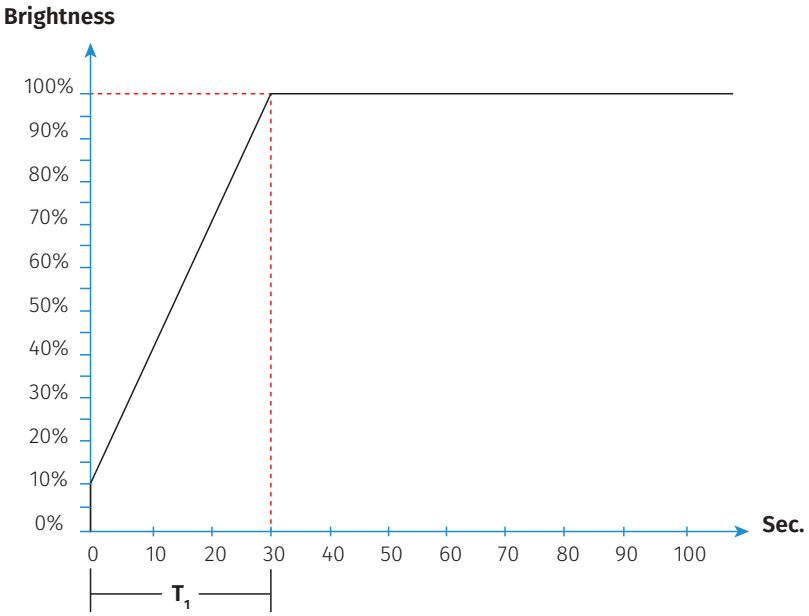




Large space for LED drivers

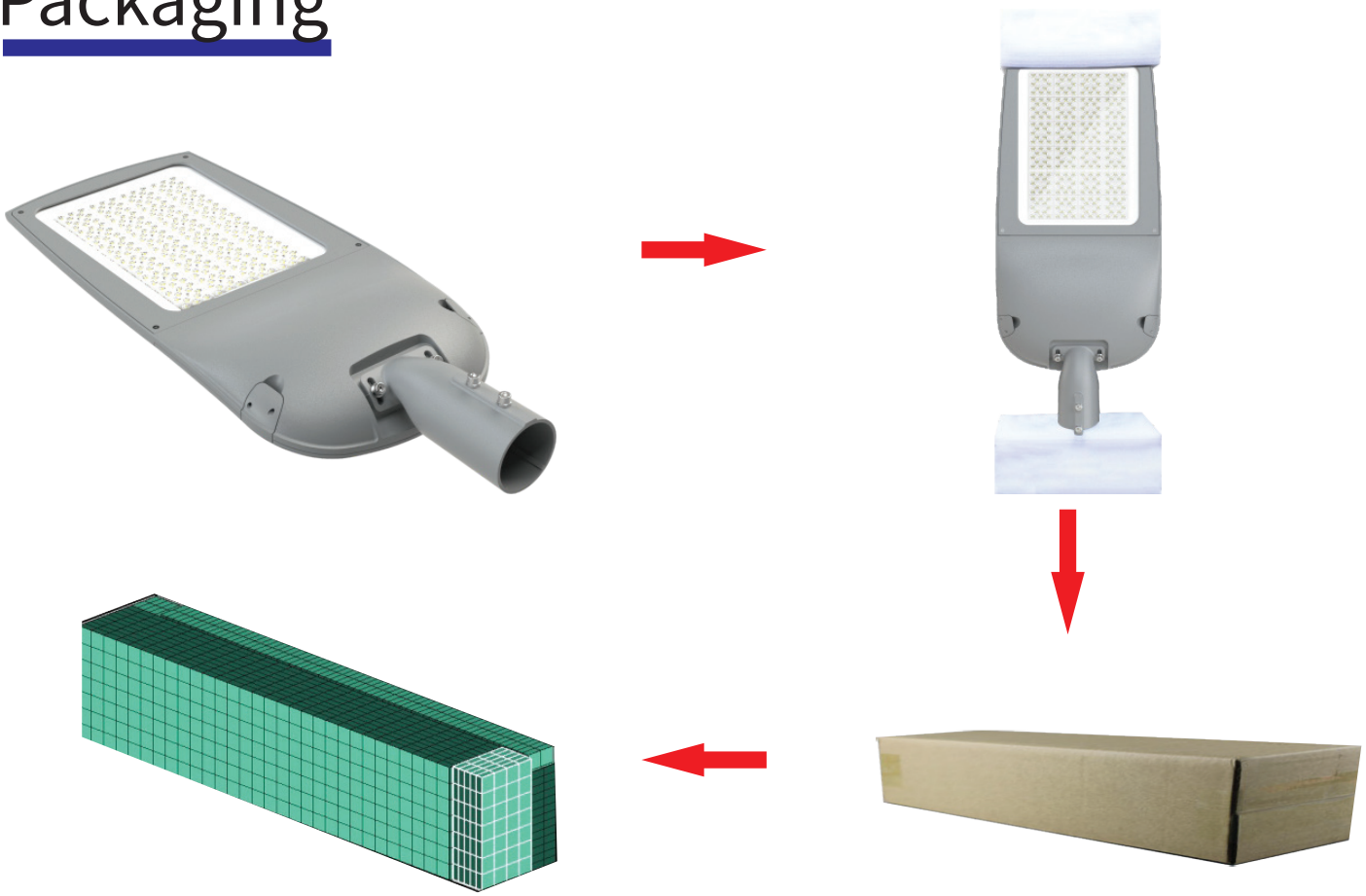
STREET LIGHT

Soft Start



T_1 : Soft Start Time Delay On 10-100% (30sec.)

Packaging



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