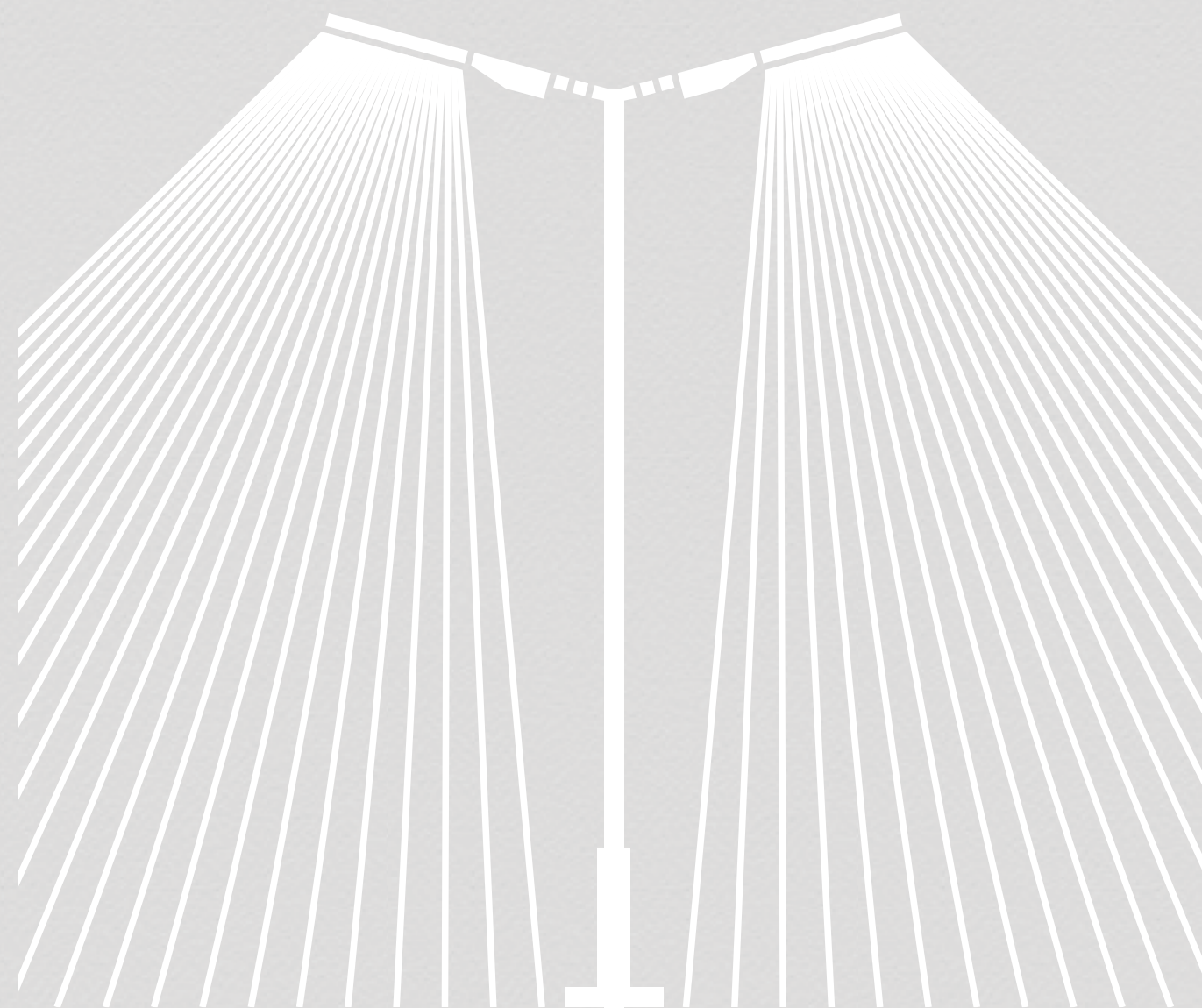


CATALOG

ROAD LIGHTING



ROAD LIGHTING CATALOG

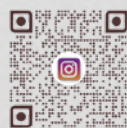
A LEADER IN THE FIELD OF SMART OUTDOOR LIGHTING



Youtube



Facebook



Instagram

SHENZHEN EXC-LED TECHNOLOGY CO., LTD

Tel: 4008-777-189 / 0755-29412799

Website: www.exclighting.com

Address: EXC Industrial Park, No.589 Kenong Road, Tangjia Community, Fenghuang Street, Guangming District, Shenzhen, China

EXC[®]

ABOUT EXC

Established in September 2009, Shenzhen EXC-LED Technology Co., Ltd. is a national hightech enterprise specialized in the R&D, production, sales and service of smart outdoor lighting and cloud control system. Focusing on outdoor LED lighting and intelligent control for a decade, the company was listed on Shenzhen GEM in September 2020(stock code: 300889)

In 2021, we began to deploy in the supporting industries of new energy vehicles by acquiring a manufacturer of new energy battery safety materials Foshan Innova Electronics Co., Ltd., and Shenzhen Fenghui Technology Co., Ltd., establishing an institute for the R&D of smart charging piles and focusing on smart charging technology.

We will continue to focus on smart lighting & control and strengthen and expand our presence in the field of smart lighting with two driving factors (smart lighting and supporting industries of new energy vehicle). Around the supporting industries of new energy vehicles, we are striving to seek major breakthroughs in the fields of new energy battery safety materials and charging technology. Based on our strength in intelligent manufacturing, we aim to become a leader in the said fields.

 **THE FIRST LISTED COMPANY**
INTELLIGENT LANDSCAPE LIGHTING FIELD

 **156 MILLION CNY**
REGISTERED CAPITAL


 **150,000M²**
PRODUCTION BASES

 **GROUP COMPANIES**
GLOBAL LOCALIZED SERVICE CLUSTER

 **GLOBAL MARKET**
PARTNERS ALL OVER THE WORLD

 **PRODUCT SYSTEM**
INTELLIGENT ROAD LIGHTING
FULL COVERAGE

 **INDEPENDENT R&D**
LEADING R&D STRENGTH IN THE INDUSTRY

 **CERTIFICATION SYSTEM**
DOMESTIC AND INTERNATIONAL
CERTIFICATIONS



Our Mission

To create unique lighting and new energy products for the society

Our Vision

To build a world-class hardcore technology enterprise

Our Tenet

Continuous innovation and empowering for the needs of customers

Our Core Values

Focus and efficiency, Perseverance and struggle, Loyalty and responsibility, Equality and sharing

Ten Core Concepts

Management Concept :

Gather first-class talents, produce first-class products, create a first-class brand

Service Concept :

Provide customers with service and solutions sincerely and patiently

Product Concept :

Develop safe, smart and cost-effective products

Market Concept :

Concentrate strength, teamwork, perseverance, and strive for the first single product market share

Achievement Concept :

Work hard to fulfill our tasks and goals

Work Concept :

Seek solutions rather than excuses

Execution Concept :

Fast, efficient and decisive

Responsibility Concept :

Dare to do and take responsibility

Learning Concept :

Always model ourselves after the best

Competition Concept :

Strive for the first place through healthy competition

Our service goals

Zero quality defect, zero service complaint, zero delivery delay

DEVELOPMENT HISTORY

EXPANSION

2009-2013

2009 **EXC was established**

2010 **Control technology innovation**

The single-line control technology was applied in outdoor projects on a large scale for the first time

2011 **Display technology upgrade**

The next-generation irregular graphic display mapping technology was studied and applied

2012 **Image technology development**

The smart pixel density switching and image processing technology was developed and applied

2013 **Control technology upgrade**

Completed the development of next-generation pixel display DMX driver chip

INNOVATION

2014-2016

2014 **The Smart Control R&D Center was established**

The Reliability Laboratory was established in the same period

2015 **The Outdoor Lighting Optics Research Center was established**

Optical laboratory was established at the same period

2016 **Appraised as a national high-tech enterprise**

The 4G urban cluster lighting control system was applied for the first time in a project

STRUGGLE

2017-2019

2017 **Obtained special software copyrights**

Obtained the software copyrights for smart city outdoor lighting management system

2018 **Leading the industry**

launched the industry-leading EXC-ECCP2.0 cloud control platform

2019 **Emerging of our brand**

Certified as one of the first batch of national high-tech enterprises and a preferred brand of green lighting products in China's real estate industry

PURSUING DREAMS

2020-2023

2020 **Listing**

Listed in the Growth Enterprise Market of Shenzhen Stock Exchange and became the first listed enterprise in the field of smart landscape lighting, launched EXC-ECCP 4.0 intelligent cloud control platform in the same year

2021 **Intelligent manufacture upgrade**

The topping-out of Jiangmen Smart Factory, increased investment for Intelligent Research Institute, upgraded EXC-ECCP 5.0 Intelligent Cloud Control Platform; opened a new epoch in such fields as smart landscape lighting, smart road lighting and smart decorative lighting

2022 **Business expansion**

Acquired 80% of Innova's shares to step into the field of new energy; EXC-ECCP 5.0 renamed as "Hetu" smart lighting cloud control platform; EXC Smart Cloud Cabinet officially released

2023 **Shining at different locations**

Relocated to Guangming District EXC Industrial Park, with intelligent manufacture bases of near 150,000 square meters in Shenzhen, Jiangmen and Foshan

FUTURE

2024-

2024 More events ongoing...

FOUR R&D CENTERS

EXC consistently focuses on customer needs, prioritizing the R&D and innovation of application products and technologies as a key driver for corporate growth. We have established long-term close cooperation with renowned research institutions and universities. The company is a joint postgraduate training base with Shenzhen University, as well as the Guangdong Landscape LED Lighting Engineering Technology Research Center and the Guangdong Industrial Design Center.



LED Lighting R&D Center



Foshan New Material R&D Center



Cloud Control Intelligent Research Institute



Charging Pile R&D Center



OVER 300 PROFESSIONAL TALENTS

EXC brings together more than 300 R&D professionals, including 6 PhDs and over 30 master's degree holders. It possesses robust strength in high-end lighting, new materials, and charging technology software and hardware research and development, equipped with globally advanced LED intelligent interactive control and smart IoT control technologies.

R&D
300+

MASTERS
30+



INDEPENDENT ADVANCED TECHNOLOGIES

INVENTION PATENTS

SOFTWARE COPYRIGHTS

30+

30+

UTILITY MODELS AND DESIGNS

450+



THREE PRODUCTION BASES

We have three production bases of nearly 150,000 square meters in Shenzhen, Jiangmen and Foshan. We have promoted the reform and upgrade of our production and process systems with intelligent manufacturing according to world-class production standards and established rigorous process control standards.

150000m²

3 intelligent manufacturing bases



Shenzhen Headquarters Industrial Park



Jiangmen Intelligent Manufacturing Base



Foshan Intelligent Manufacturing Base



FIRST-CLASS PRODUCTION EQUIPMENT

With a solid strength in manufacturing, we are equipped with world-class production equipment, and an advanced order information management system, allowing us to lead the industry in make-to-order and delivery capacity.



STRICT QUALITY ASSURANCE SYSTEM

EXC adopts mechanized and automated production operations for key manufacturing processes to ensure product stability and consistency. The company has a CNAS-certified laboratory, combined with a number of well-known testing organizations, products have passed a number of international certifications. Meanwhile, we have three major testing centers in Shenzhen, Foshan, and Jiangmen, covering lighting, new materials, and charging piles, which are equipped with various testing equipment. Our products undergo various rigorous environmental tests, safety tests, electrical performance tests, etc. With an almost stringent quality control system, we strictly control the design and production of products, conduct inspections at every step to provide our customers with high-quality products.



Material verification

Reliability verification
Service performance test
Material/model/specification verification
RoHS & REACH inspection and confirmation
Confirmation of material certification and reports

Design verification

Reliability verification
Optical performance verification
Conventional safety performance verification
EMC performance verification
Lamp control, system control performance verification

Process verification

Product assembly process verification
Rationality verification of process flows
Practicality verification of machinery/tooling fixtures

Process control

X-ray perspective test of solder joint voids
Full appearance inspection with AOI imaging comparison
Signal transmission stability test with digital oscilloscope
TDR low impedance test of open and short circuits and poor solder joints
Full inspection with automated IP waterproof tester
Intelligent control cabinet aging test



QUALITY MANAGEMENT SYSTEM

The laboratory that has passed the CNAS certification by China National Accreditation Service for Conformity Assessment based on ISO9001 Quality Control System/ISO14001 Environmental Management System/ISO45001 Occupational Health and Safety Management System is a cornerstone for the effective operation of the quality control system. By referring to the "German Automotive Industry Federation Quality Standard VDA6.3 Process Audit" standard, our products undergo full-process quality monitoring.



PRODUCT CERTIFICATION SYSTEM

We have a CNAS certified laboratory. In collaboration with several well-known testing institutions, our products have passed CCC certification, ETL certification, CE certification, CB certification, and integrated RoHS certification.

Currently, we have passed quality certifications from several international lighting enterprises and maintain good strategic cooperation with many well-known domestic testing institutions.





Core Advantages

TECHNOLOGICAL ADVANTAGES

Full coverage of mainstream standards

- International Commission on Illumination Road Lighting Standard CIE-14°
- North American Illuminating Society road lighting standard RP-8-00
- China Road Lighting Standard C3345-2015

Full coverage of core scenarios

- **Transportation:** Roads, tunnels, intersections
- **Large spaces:** plazas, stadiums, marinas, airports
- **Public space:** stations, subways, factories

Full coverage of common road conditions

- **Different road widths:** 1, 2, 3, 4, 6, 8, 12 lanes...
- **Different light distribution methods:** single-side, double-side symmetrical/staggered intermediate isolation zone
- **Different height ratios:** 1:3; 1:4, 1:5...
- **Different environments:** dry road, wet road, waterlogged road, asphalt road, concrete road

Optical material selection

- **Selected materials:** optical grade imported PC base material + secondary development to enhance performance
- **Material secondary development:** Improve UV resistance by adding nano UV absorbers to modify the material, no yellowing for 10 years

Precise optical distribution

- **Precision light distribution:** every beam of light has a direction
- **Maximum utilization rate:** 81% for 3 lanes on one side
- **Ultra-high uniformity:** average brightness is 16% higher than the industry peers
- **Ultra-low glare:** 70%-90% lower than national standard limits

Precision machining

- **Precision machining:** lens-level machining precision, lighting industry's highest precision
- **Surface roughness:** $Ra \leq 0.001\text{mm}$
- **Surface accuracy:** $Rt \leq 0.003\text{mm}$



Quick design for special scenes

- Quick lighting design for special scenes
- New Lighting Design Time: 1-3 days

Quick delivery capability of customized samples

- Special light distribution test samples: 7 days delivery after design confirmation
- Official samples: 14 days after confirmation of test samples

Quick model selection of lighting solutions

- Quickly match the optimal light distribution design to the scene
- Existing light distribution platforms can satisfy more than 90% of scenarios
- Rapid design scheme matching: 1-4 hours
- Rapid lighting program: 1-4 hours

Road lighting distribution



High uniform light distribution

- One-sided 2-lane/Two-sided 4-lane**
 Uniformity exceeds competitors by 12%
- One-sided 3-lane/Two-sided 6-lane**
 Uniformity exceeds competitors by 15%
- One-sided 4-lane/Two-sided 8-lane**
 Uniformity exceeds competitors by 9%
 Full cut-off design

High brightness (high utilization)

- One-sided 3-lane/Two-sided 6-lane**
 23% brighter on one side of the road;
 16% brighter on both sides of the road
- One-sided 2-lane/Two-sided 4-lane**
 21% brighter on one side of the road;
 17% brighter on both sides of the road
- One-sided 3-lane**
 0° elevation, quad-head specific
 First quad-head smart pole specific light
 distribution(Asymmetric lens)

First asymmetric against-glare lighting

- One-sided 3-lane/Two-sided 6-lane**
Left distribution
 Unilateral TI decreased by 90%
 Bilateral TI decreased by 70%
- One-sided 3-lane/Two-sided 6-lane**
Right distribution
 Unilateral TI decreased by 90%
 Bilateral TI decreased by 70%
- One-sided 3-lane/Two-sided 6-lane**
 High mounting ratio lens
 Mounting ratio of 4.5:1
 All specifications exceed GB standards

Tunnel lighting distribution



First symmetric against-glare lighting

- One-sided 2-lane**
 Symmetric against-glare lighting
 TI decreased by 60%
- One-sided 2-lane**
 Symmetric against-glare lighting
 TI decreased by 60%

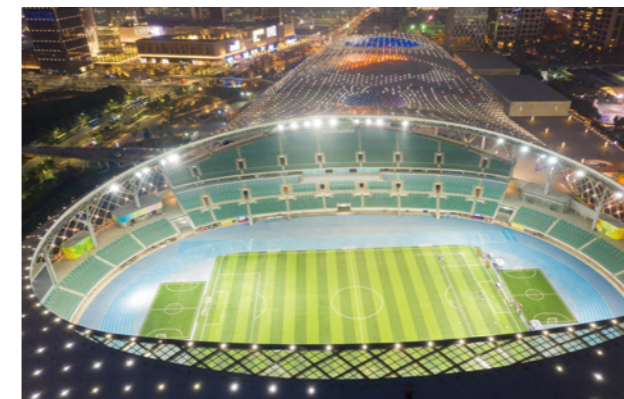
Wide-angle planar light distribution

- One-sided 3-lane**
 Max angle for planar light emission
 Wide spacing in middle with high uniformity
- One-sided 3-lane**
 High uniformity
 Wide-spacing lens
 Middle-section lighting reduces fixtures by 30%

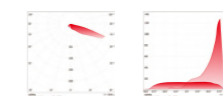
Low glare urban tunnel light distribution

- Microprism light structure
 Low glare
 TI controlled within 3
- Reflective light distribution
 High efficiency without glare
 Direct vision without glare

Plaza stadium lighting distribution

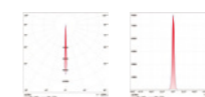


Max off-angle stadium light distribution



- Civil courts**
School courts
Golf courses
 Uniformity exceeds competitors by 10%
 60% fewer fixtures compared to small angle
 Easy installation and adjustment

Ultra-high brightness professional stadium light distribution



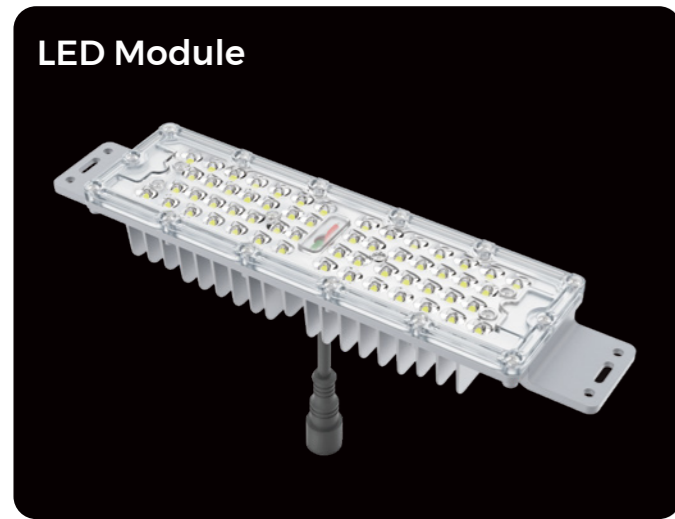
- Professional stadium**
Television broadcasting
 Industry's highest center brightness at 89CD/LM
 7% higher ground illuminance at long distance

Low glare venue light distribution

- 3D light emission technology
 Integral glare shield with reflection
 UGR glare index within 40
- Microprism light structure
 Precise light direction control
 UGR glare index within 16

TECHNOLOGICAL ADVANTAGES

The 7th generation of ultra-high light efficiency product



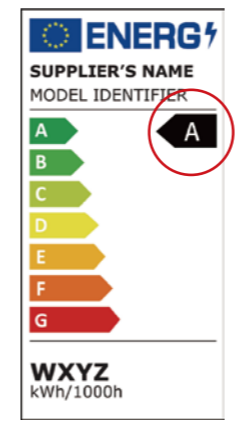
250.5LM/W
30W without power supply



235.50LM/W **Isolated power supply**
240.48LM/W **Non-isolated power supply**

Far exceeds the latest EU ErP energy efficiency class A standard

On December 5, 2019, the European Commission published the new ErP regulation (EU) 2019/2020 and Efficiency Labeling Law (EU) 2019/2015 for lighting products, which will replace the current ErP regulation EC244/2009, EC245/2009, EU 1194/2012 and the Holding Efficiency Labeling Regulation EU 874/2012, and the new regulations set out in the new regulations. The implementation target date is September 1, 2021. From December 25, 2019, the old version of the energy efficiency label is no longer applicable.



The new energy efficiency class is divided as follows

Labeling energy efficiency level calculation: $\eta_{TM} = (\Phi_{use}/P_{on}) \times \eta_{FTM}$ Unit: (lm/W)

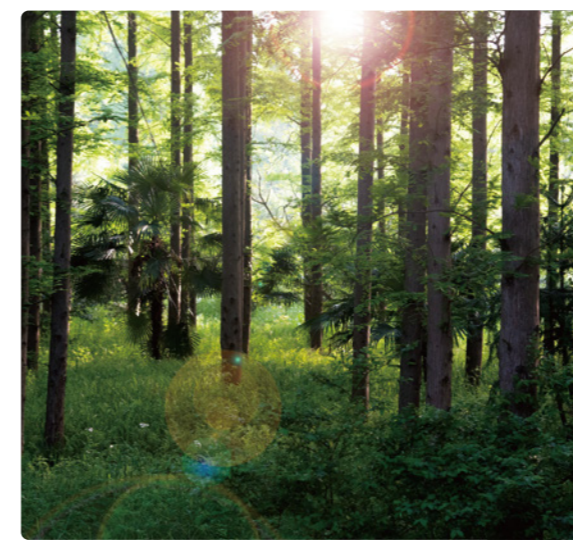
Energy efficiency class	Total efficiency
A(top class)	$210 \leq \eta_{TM}$
B	$185 \leq \eta_{TM} < 210$
C	$160 \leq \eta_{TM} < 185$
D	$135 \leq \eta_{TM} < 160$
E	$110 \leq \eta_{TM} < 135$
F	$85 \leq \eta_{TM} < 110$
G(lowest level)	$\eta_{TM} < 85$



Economic benefits

Compared with high-pressure sodium lamps
Annual savings of 1200 KWH
Annual saving of 840CNY in electricity costs

According to the average lighting 11 hours per night
Electricity cost 0.7 yuan/kWh



Social benefits

One street light = Plant 51 trees per year
Saving electricity and reducing carbon dioxide by 918kg

Each tree absorbs 18kg/year: 51 trees

TECHNOLOGICAL ADVANTAGES

Ultra-High light utilization

One-sided 3-lane lighting arrangement lighting utilization efficiency is 81%

Two-sided 6-lane lighting arrangement lighting utilization efficiency is 86%

More light emitted from the lamp is illuminated into the road traffic area.

Improve light quality and reduce light pollution



Comparison of energy-saving retrofit projects in a city

High Utilization Rate Street Lights vs. Regular Utilization Rate Street Lights

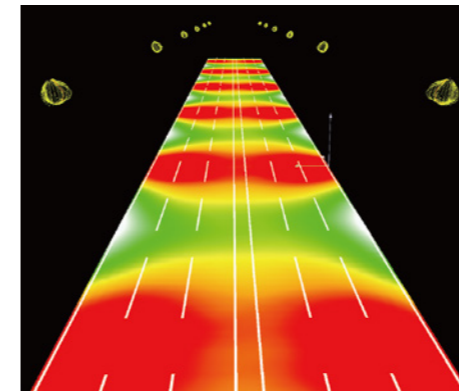
Total power reduction	Total power reduction	Annual savings in electricity costs	Annual electricity savings
158.8KW	21.62%	332K	637722.5KWH

TECHNOLOGICAL ADVANTAGES

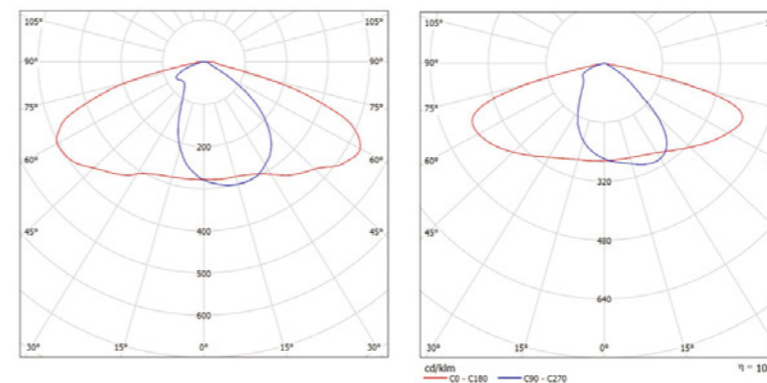
Ultra-high uniform effect

Manufacture	Road width	Pole height	Pole distance	Lumens	Average brightness	Average illumination	U0	UL
EXC	Two-sided	10	35	22000	1.78cd/m2	32	0.78	0.92
A	6-lane				1.52cd/m2	26	0.65	0.8
EXC road surface index exceeding					16.67% ↑	23.08% ↑	20.00% ↑	15.00% ↑

Best road lighting effect

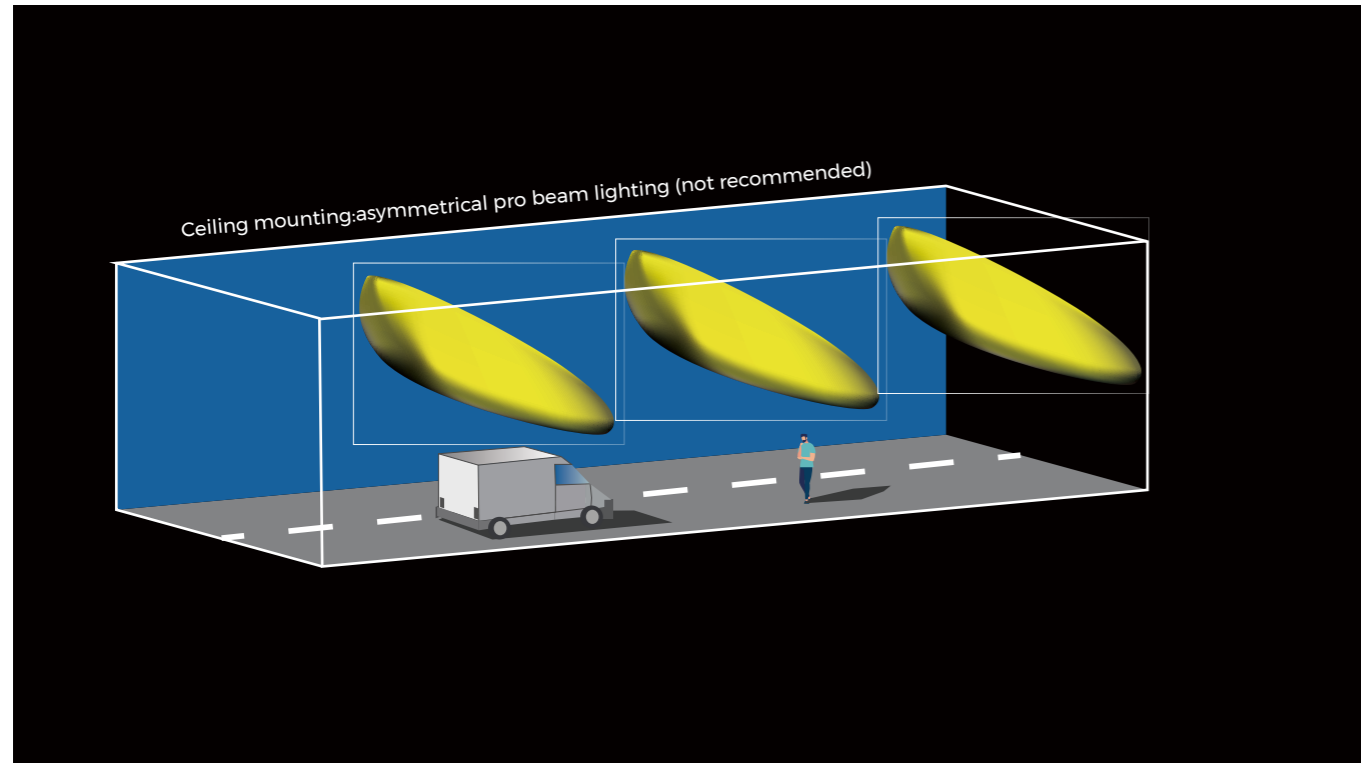


EXC road surface indexes are more than 15% higher than A



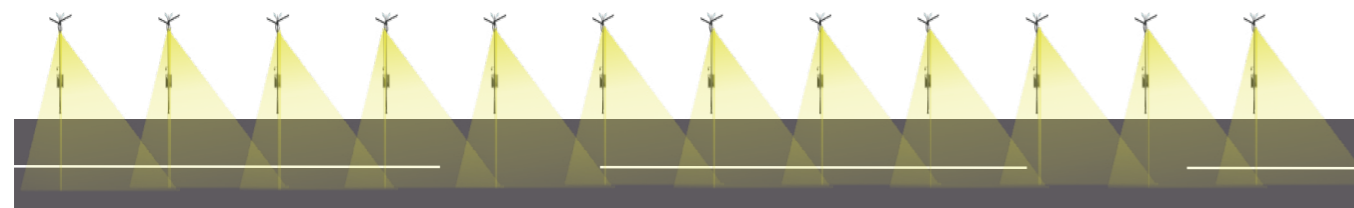
Industry's First Against-Glare Road Lighting Technology

Illuminating the road, not the eyes

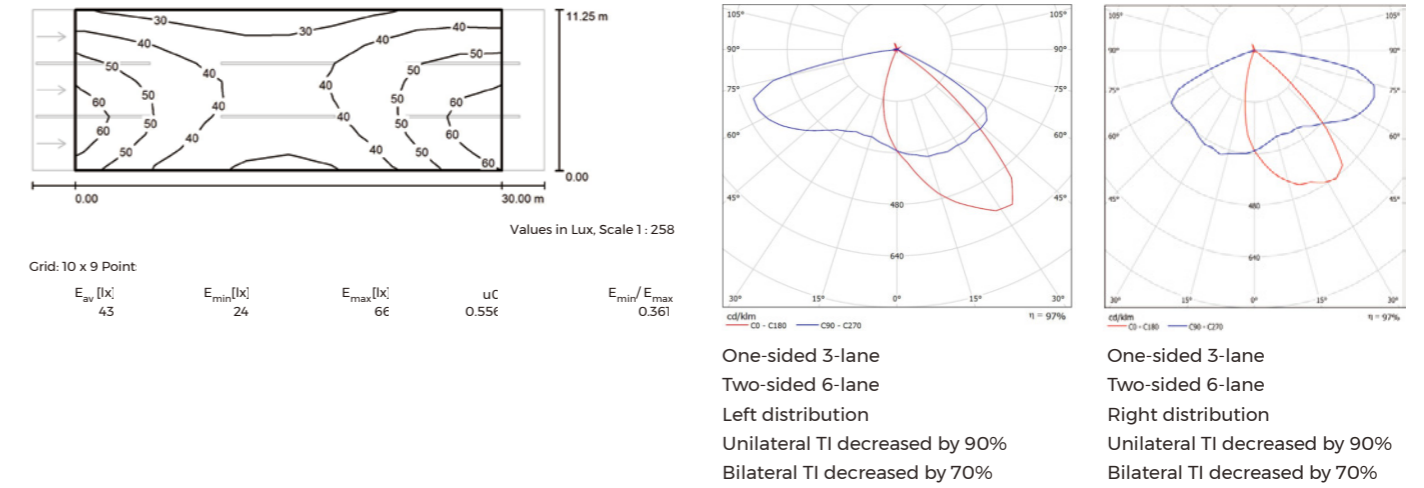


Lower glare, better lighting effect

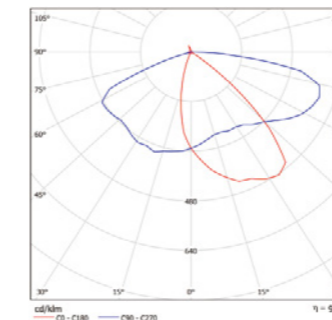
Unilateral TI reduction of 90%



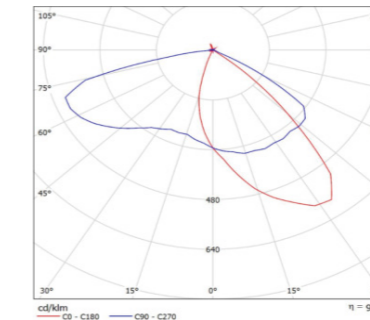
Industry's first against-glare road lighting technology - Road lighting applications



Against-glare lighting technology - Tunnel lighting applications



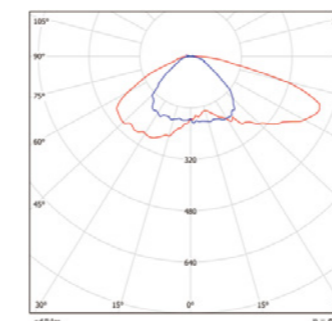
Asymmetrical left lighting



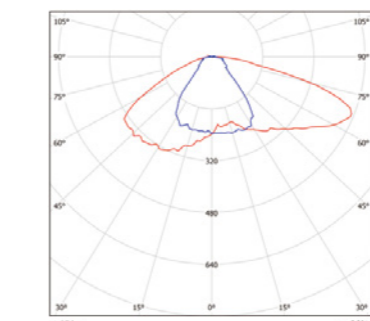
Asymmetrical right lighting



Asymmetric against-glare lighting, suitable for horizontal installation of lighting in tunnels



Symmetrical 3-lane

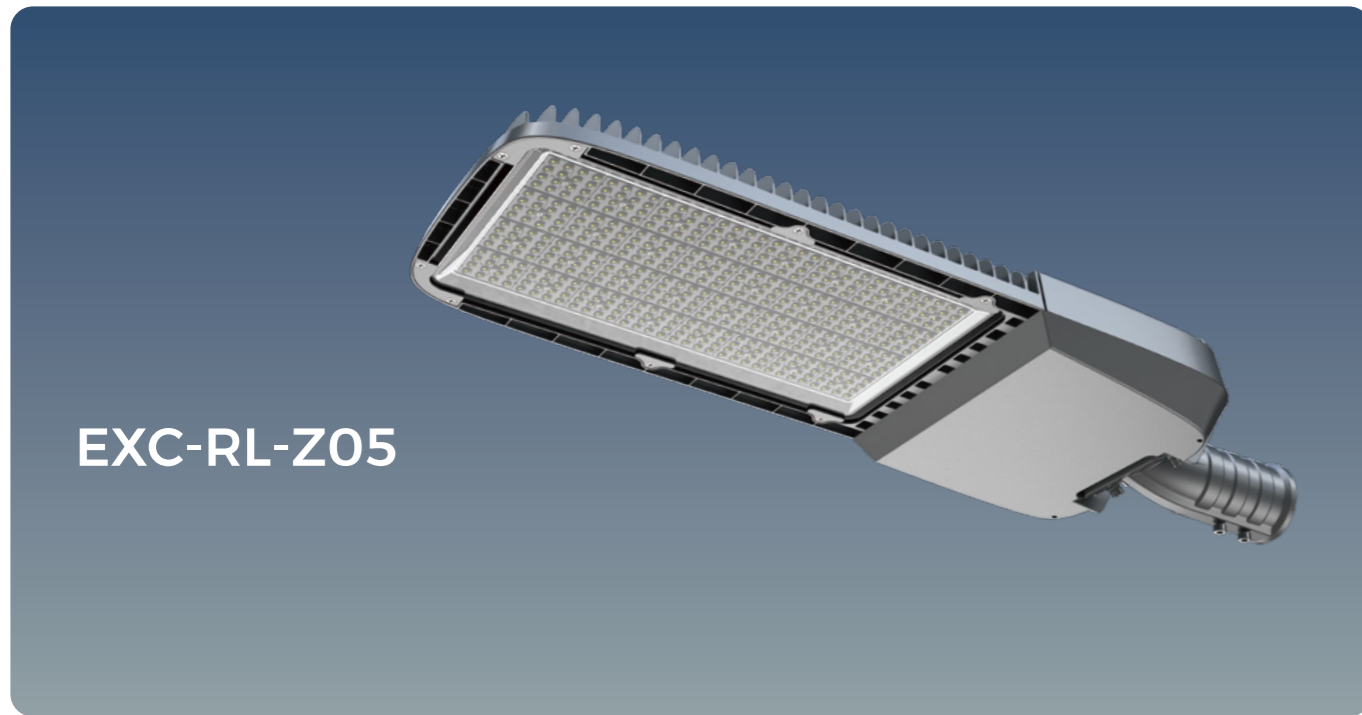


Symmetrical 2-lane

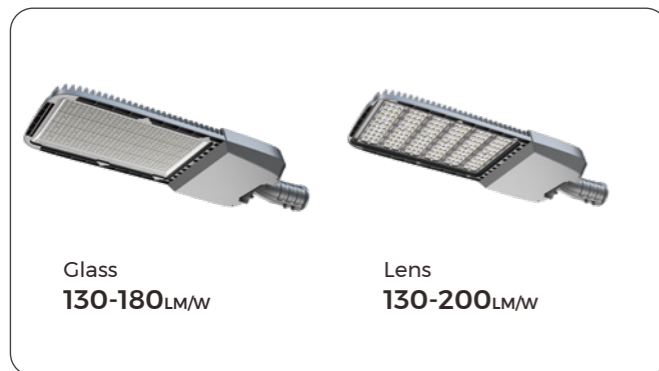


Symmetric against-glare lighting, suitable for angled lighting placement on both sides of the tunnel

PRODUCT ADVANTAGES



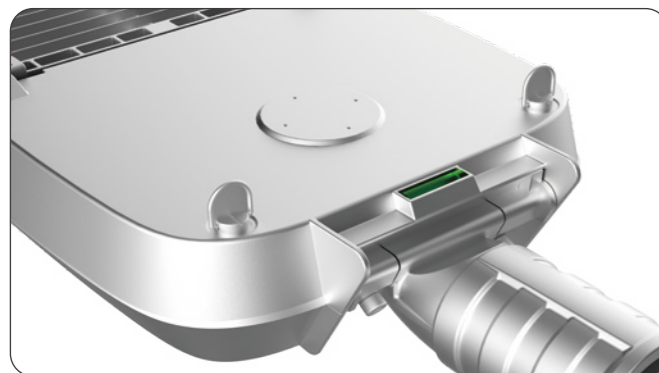
Ultra-high luminous efficiency



Max 400W



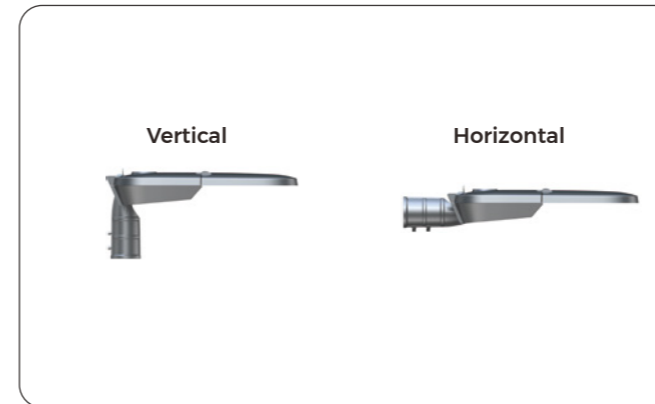
Reinforcement of critical stress areas



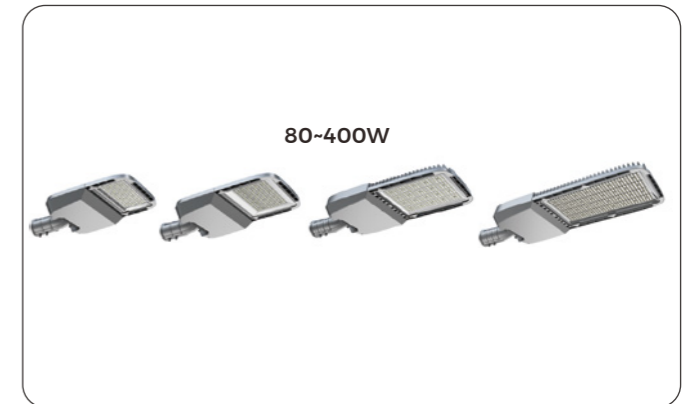
Extra large electrical enclosure



Adjustable angle, horizontal and vertical mounting compatible



All-road power adaptation



Various light distribution matching

Class		Glass									
Power	Beam Angle	15°	25°	35°	45°	55°	65°	75°	85°	95°	105°
80W	15°	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]
80W	25°	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]
80W	35°	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]
80W	45°	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]
80W	55°	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]
80W	65°	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]
80W	75°	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]
80W	85°	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]
80W	95°	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]
80W	105°	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]

Glass/lens compatible



Freehand quick release
No tools required



NEMA/ZHAGA interface compatible

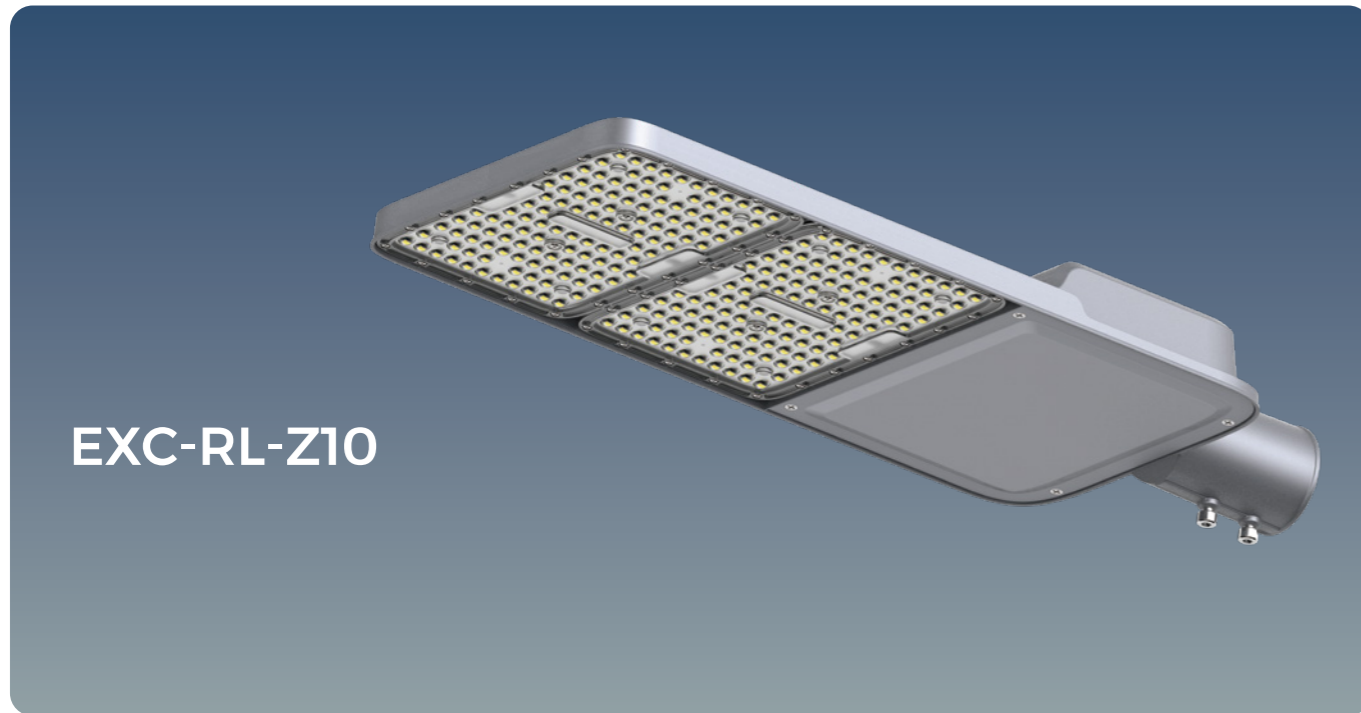


High-strength ADC12
Die-cast aluminum



Anti-corrosion surface treatment

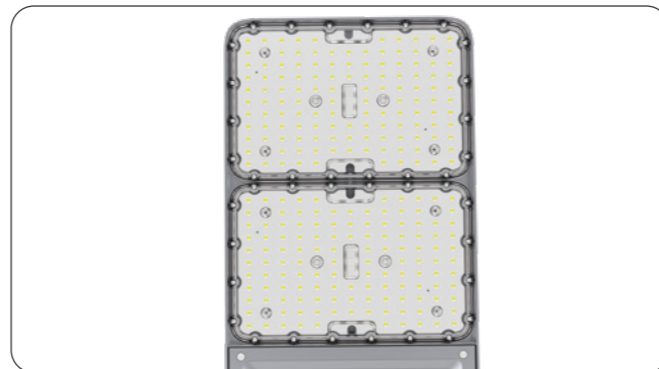
PRODUCT ADVANTAGES



Ultra-high luminous efficiency



Large luminous surface



Optimal design for high voltage sodium replacement lamp in 400W/250W/150W



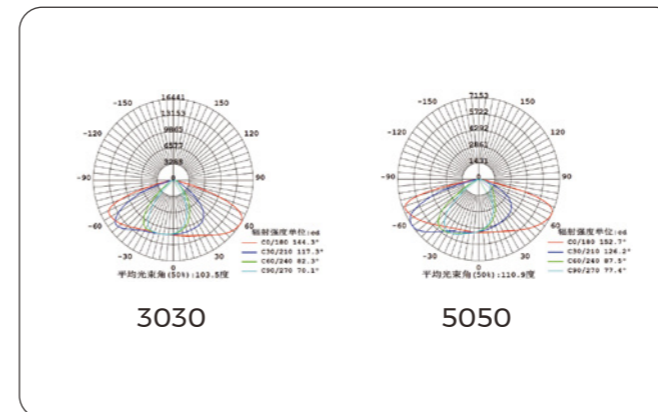
Photoelectric separation design



NEMA/ZHAGA interface compatible



Various light distribution matching



Extra large electrical enclosure for worry-free expansion



Minimalist design

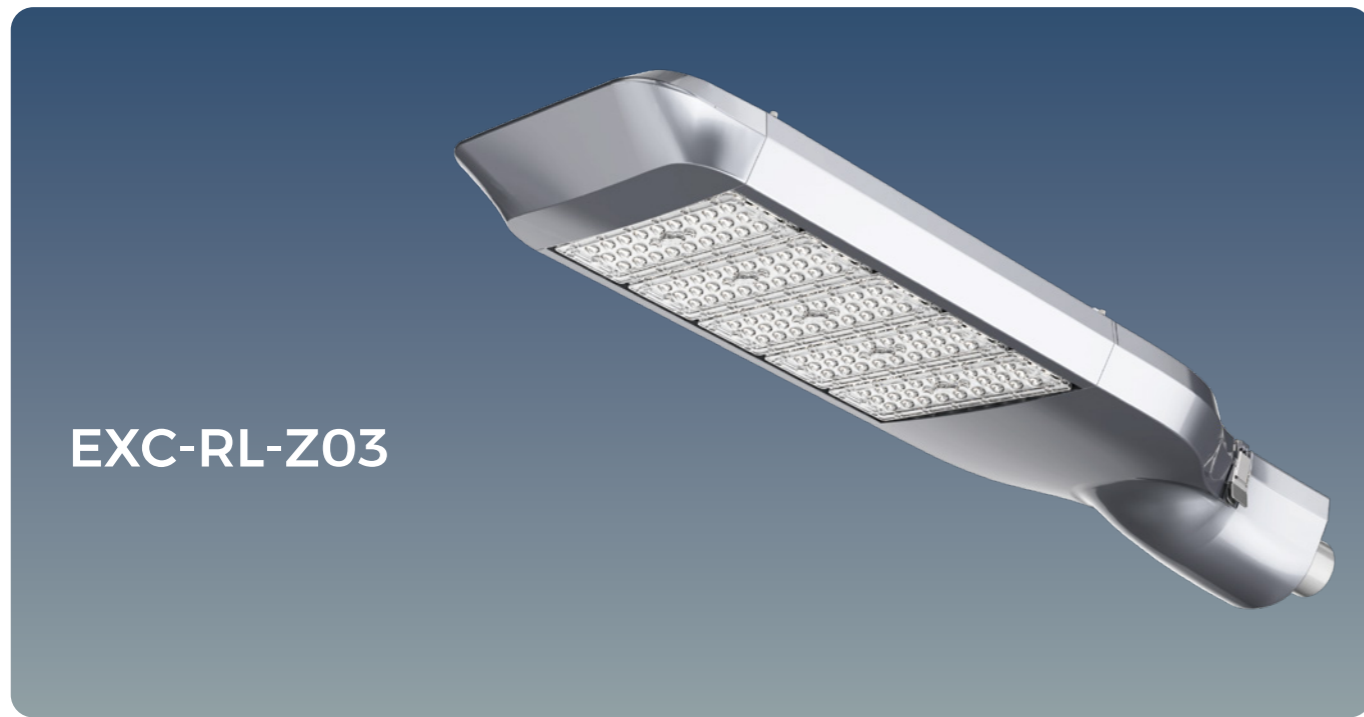


Anti-corrosion surface treatment



High-strength ADC12 Die-cast aluminum

PRODUCT ADVANTAGES



EXC-RL-Z03

Ultra-high luminous efficiency



130-200LM/W

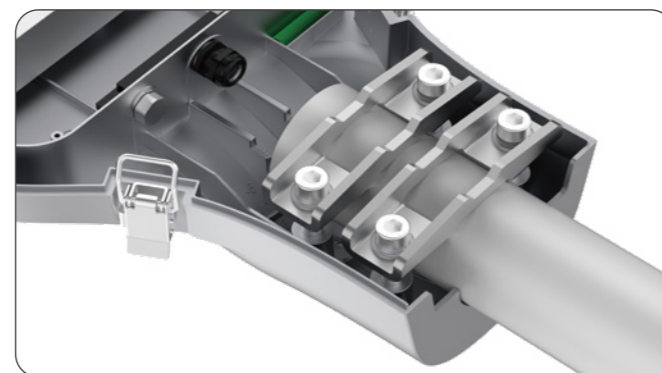
Back panel louver ventilation



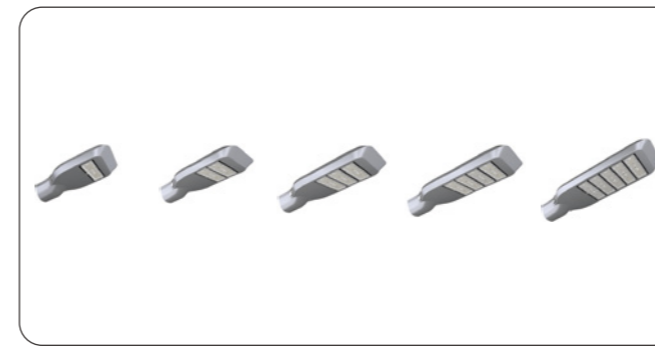
Doorway self-locking function to prevent accidental popping open



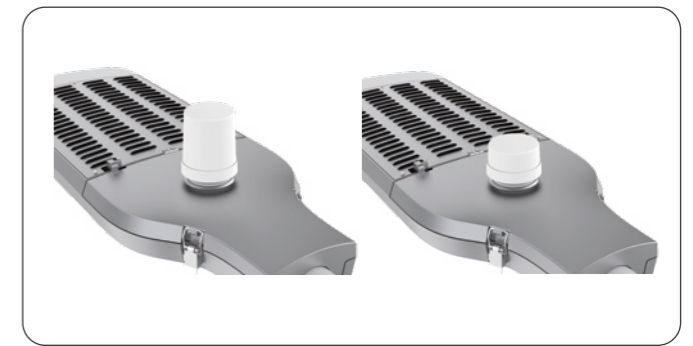
The hoop fixing is more reliable, suitable for 40-60mm diameter lamp post



50-300W optional



NEMA/ZHAGA interface compatible



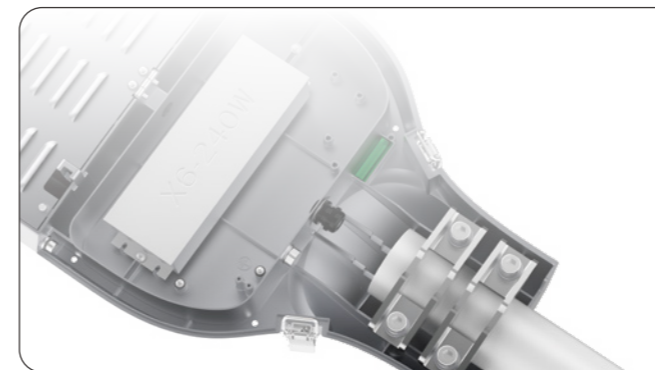
Double-layer decrement waterproof structure for long-term reliability



Modular design for easy expansion and maintenance



Multiple adjustable angles



Freehand quick release without tools required



AL High-strength ADC12 Die-cast aluminum

 Anti-corrosion surface treatment

PRODUCT ADVANTAGES



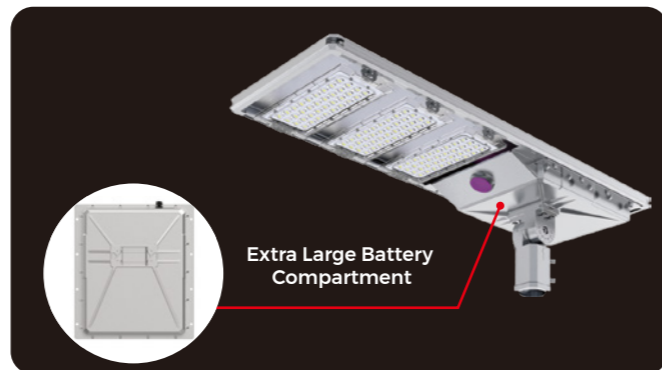
EXC-CR-Z05

Li-FePO4 battery

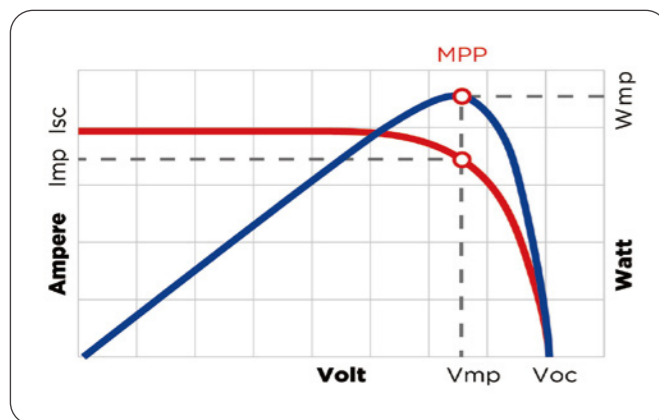
Li-FePO4 Battery
2000 Times Charge/Discharge

Ternary Lithium Battery
500 Times Charge/Discharge

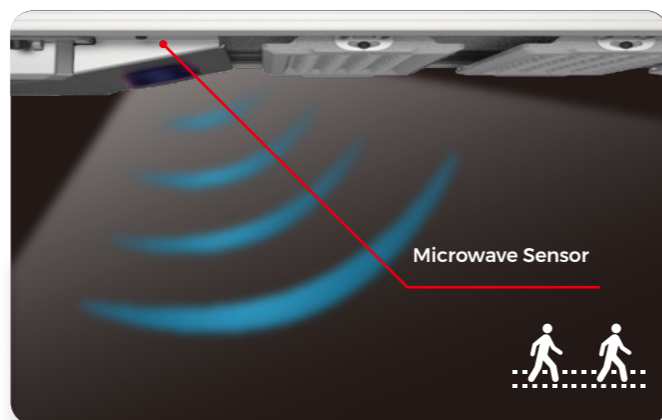
Extra large battery compartment



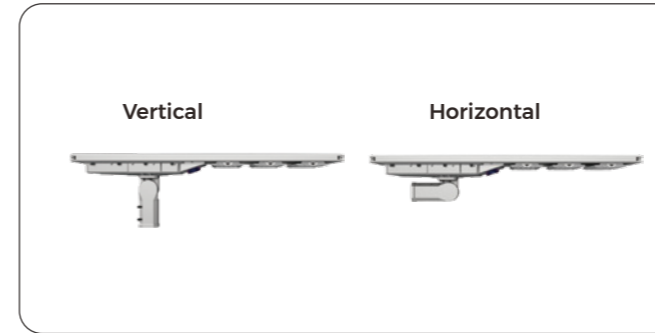
Mppt control power point tracking



Microwave sensor with optimal inclined surface design



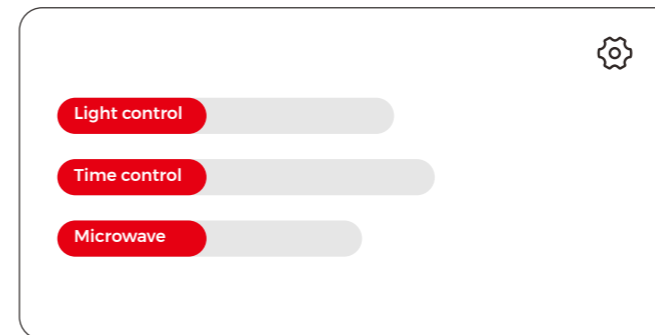
Lamp angle adjustable



Individually adjustable module angles



Multiple working modes can be customized



Suitable for handheld infrared remote control



Ultra-thin integrated minimalist design



Monocrystalline silicon solar panels with wafer efficiencies of up to 23.1%



Ultra-high luminous efficiency



High-strength ADC12 Die-cast aluminum

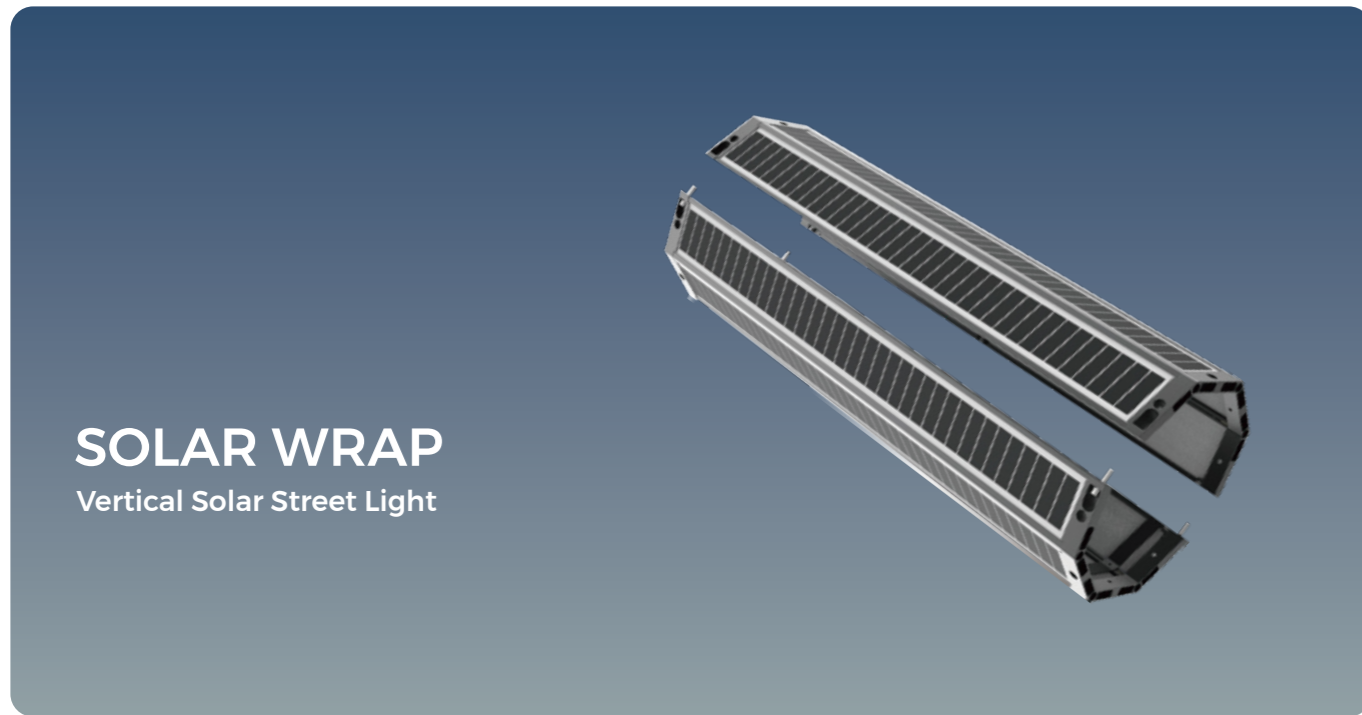


Smart IOT control

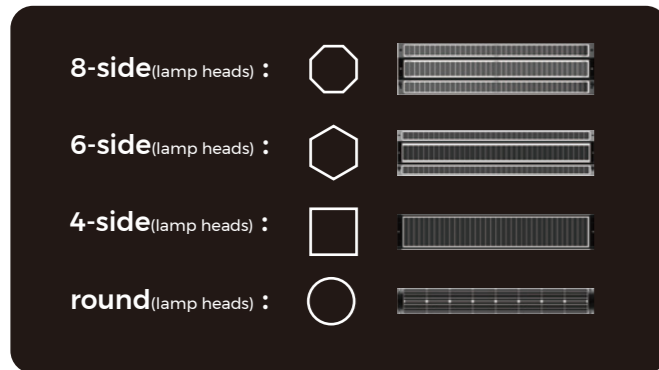


Energy saving & environmental protection

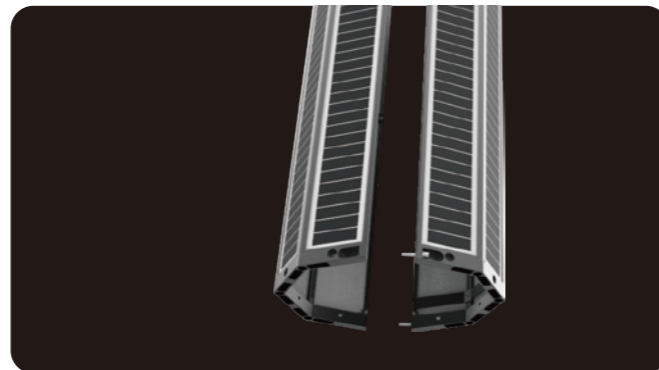
PRODUCT ADVANTAGES



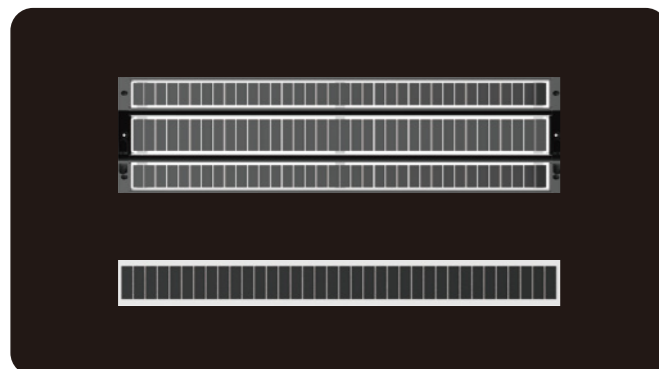
8-side/6-side/4-side/round options
Adaptable to a variety of lamp heads



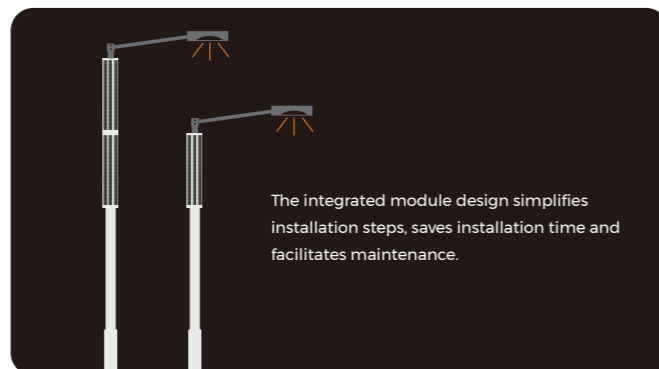
Split hoop installation
More convenient to install after the lighting renovation, low transportation costs



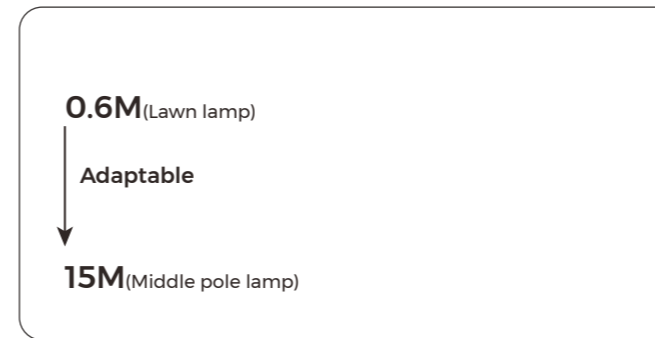
Monocrystalline silicon solar panels
High photovoltaic conversion rate



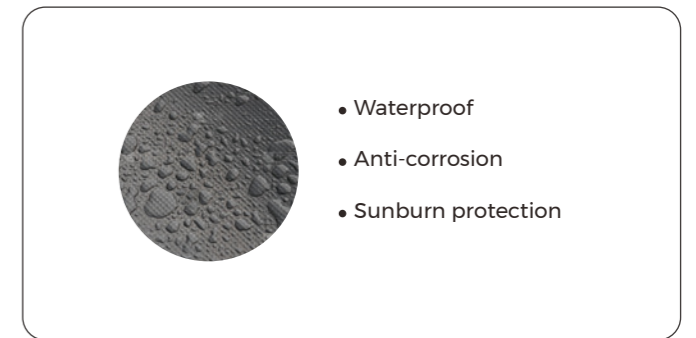
Integrated module design
Easy expansion and maintenance



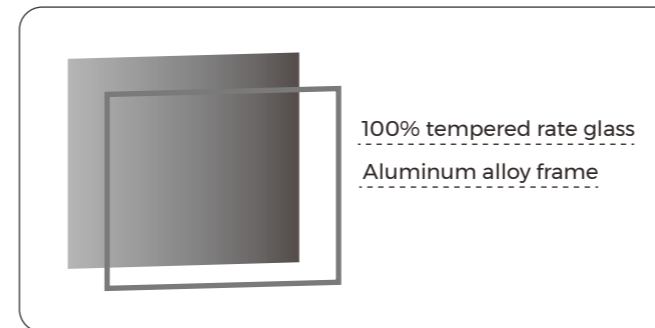
0.6m lawn lamp to 15m middle pole lamp full adaptable



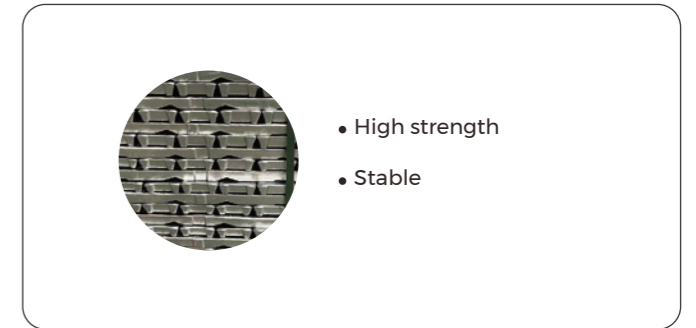
Anti-corrosion surface treatment



100% tempered rate glass



High-strength ADC12 die-cast aluminum



Well-supported one-stop solution



Wide range of adaptive functions

PRODUCT ADVANTAGES



Uniform white light no glare

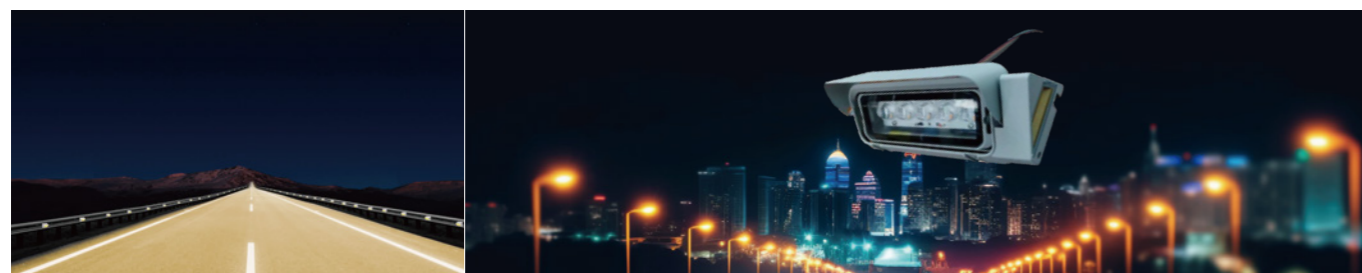
No glare at low altitude, safe traveling is guaranteed

Yellow crosswalk slow down reminder function

Sense the road condition in advance, remind the slowdown, safe traveling

Red light crosswalk front prohibited

At the same time through the internet of things transmitter supervision platform intelligent control, safe traveling



Automatically turn on the yellow light mode in rainy and foggy days

Effectively avoid traffic accidents

Yellow flashing safety warning lights for road guides

Extended side mounted yellow flashing lights, compatible with spike lights and yellow flashing warning lights

Perfect Solution

Multiple installation methods to meet different installation environments



Multi-application Scenario



Overpasses

Viaducts

Bridges



Ramps

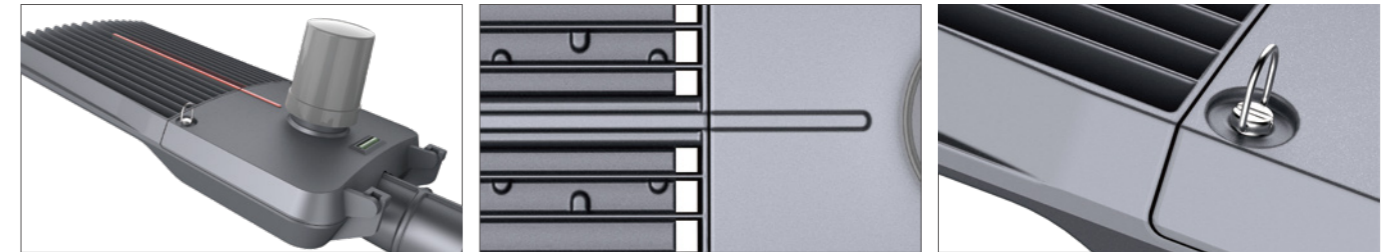
High-speed curves

Heavily tree-shaded municipal roads

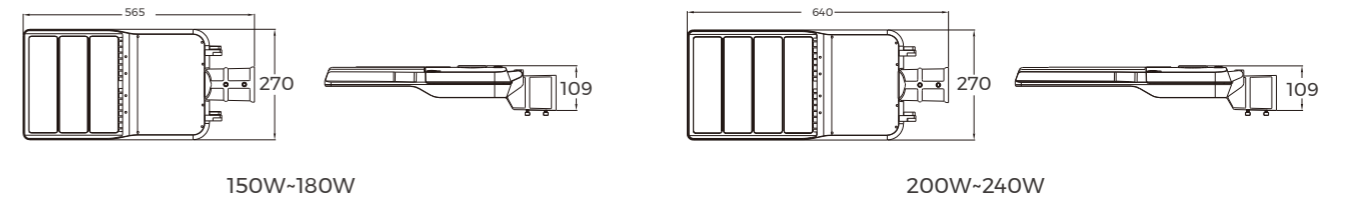


LED Street Light

EXC-RL-Z01



Physical Dimensions (Unit: mm)



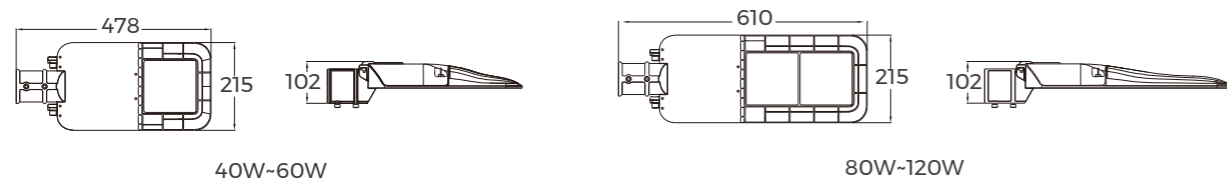
Specifications

Power	150W	180W	200W	240W
Input Voltage	AC90-305V 50/60HZ			
Power Factor	> 0.95			
Light Source	2835/3030/5050			
CCT	3000K/4000K/5000K/5700K			
CRI	Ra > 70			
Luminous Efficacy	130-180(LM/W)			
Lifespan	50000H			
Material	ADC12			
IP Rate	IP66			
Working Temperature	-40°C to +50°C			
Ambient Humidity	10%-90%RH			
Dimming Type	0-10V/ PWM/ Dali			

EXC-RL-Z02



Physical Dimensions (Unit: mm)



Specifications

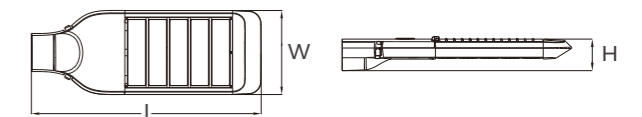
Power	40W	50W	60W	80W	100W	120W
Input Voltage	AC90-305V 50/60HZ					
Power Factor	> 0.95					
Light Source	2835/3030/5050					
CCT	3000K/4000K/5000K/5700K					
CRI	Ra > 70					
Luminous Efficacy	130-180(LM/W)					
Lifespan	50000H					
Material	ADC12					
IP Rate	IP66					
Working Temperature	-40°C to +50°C					
Ambient Humidity	10%-90%RH					
Dimming Type	0-10V/ PWM/ Dali					

EXC-RL-Z03



Physical Dimensions (Unit: mm)

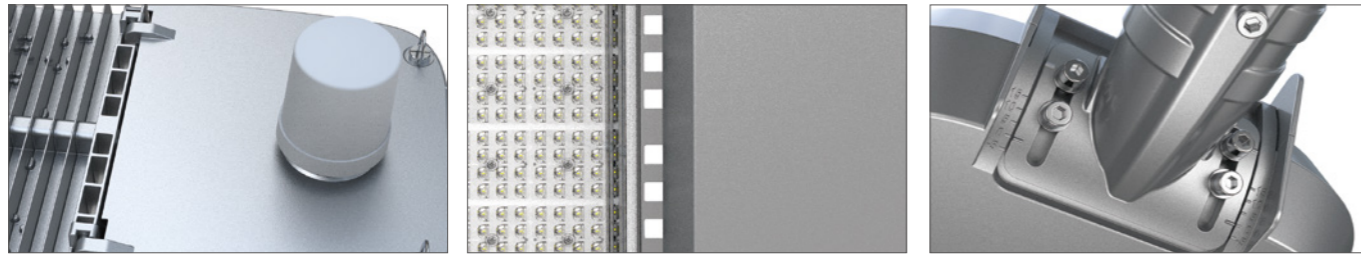
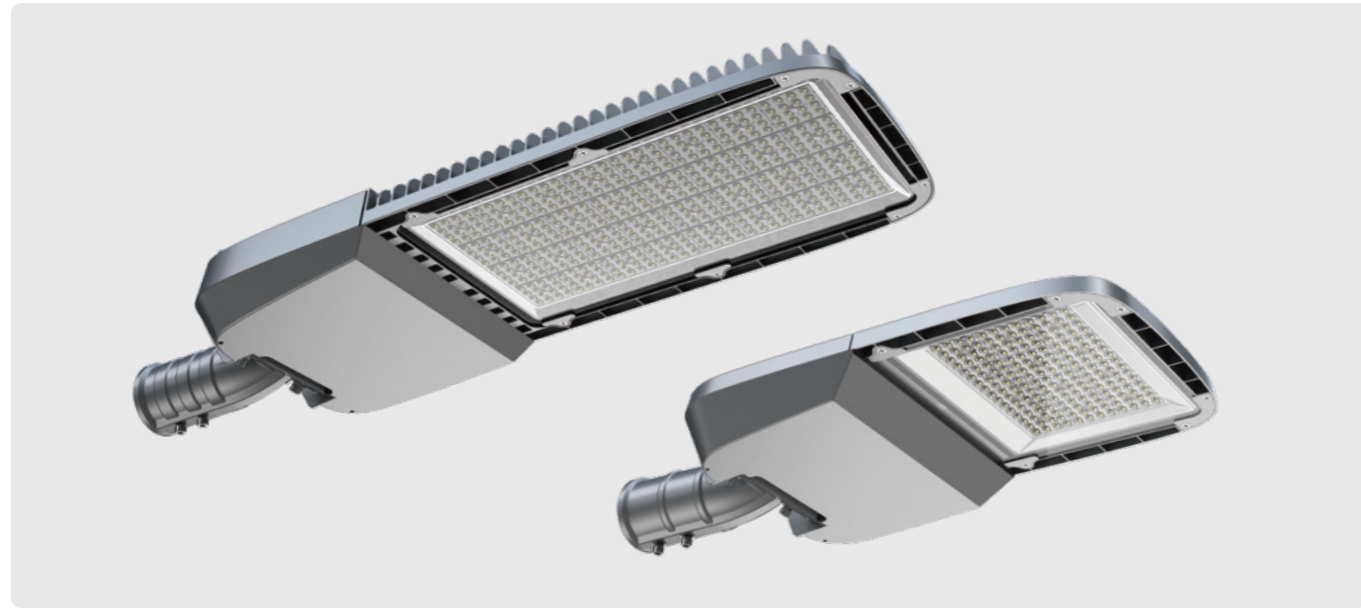
Dimension	L	W	H
50W/60W	559	320	120
100W/120W	643	320	120
150W/180W	727	320	120
200W/240W	811	320	120
250W/300W	895	320	120



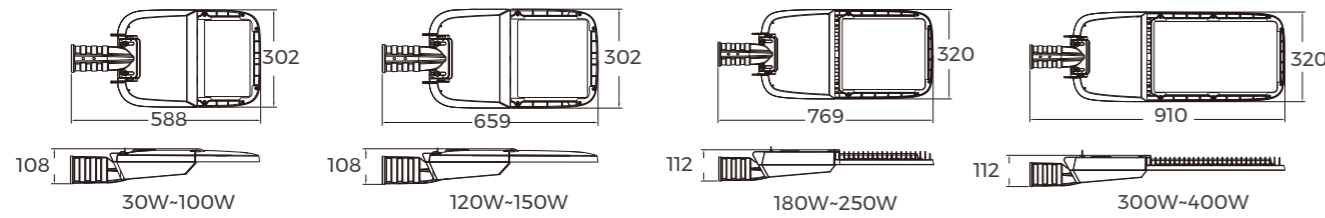
Specifications

Power	50W/60W	100W/120W	150W/180W	200W/240W	250W/300W
Input Voltage	AC90-305V 50/60HZ				
Power Factor	> 0.95				
Light Source	2835/3030/5050				
CCT	3000K/4000K/5000K/5700K				
CRI	Ra > 70				
Luminous Efficacy	130-180(LM/W)				
Lifespan	50000H				
Material	ADC12				
IP Rate	IP66				
Working Temperature	-40°C to +50°C				
Ambient Humidity	10%-90%RH				
Dimming Type	0-10V/ PWM/ Dali				

EXC-RL-Z05



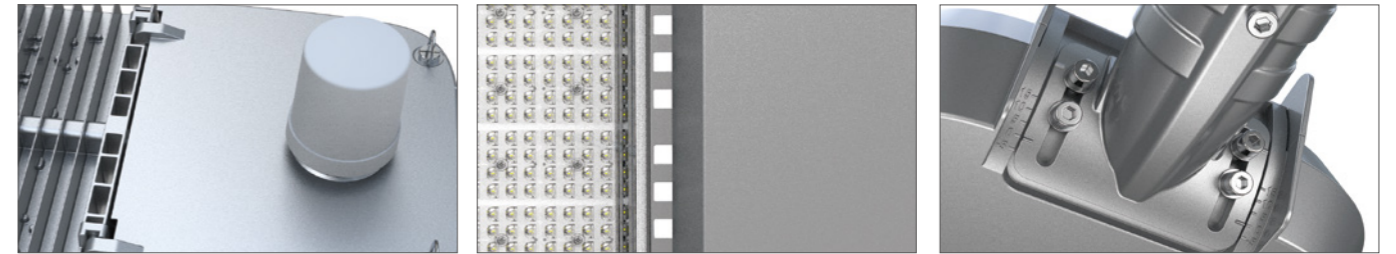
Physical Dimensions (Unit: mm)



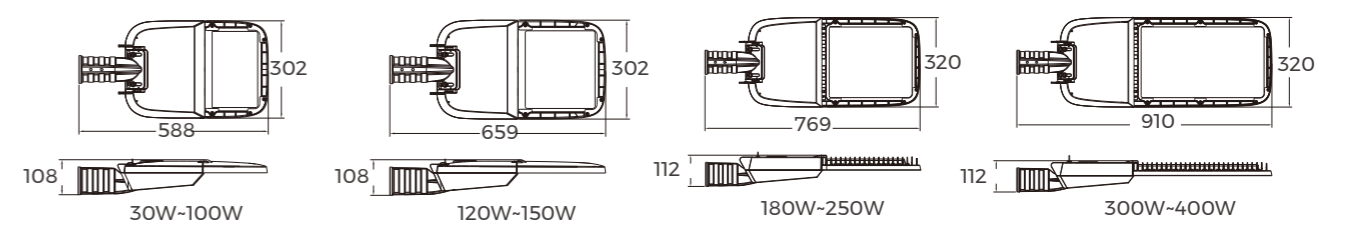
Specifications

Power	30W	60W	80W	100W	120W	150W	180W	200W	250W	300W	360W	400W
Input Voltage	AC90-305V 50/60HZ											
Power Factor	> 0.95											
Light Source	2835/3030/S050											
CCT	3000K/4000K/5000K/5700K											
CRI	Ra > 70											
Luminous Efficacy	130-180(LM/W)											
Lifespan	50000H											
Material	ADC12											
IP Rate	IP66											
Working Temperature	-40°C to +50°C											
Ambient Humidity	10%-90%RH											
Dimming Type	0-10V/ PWM/ Dali											

EXC-RL-Z05T



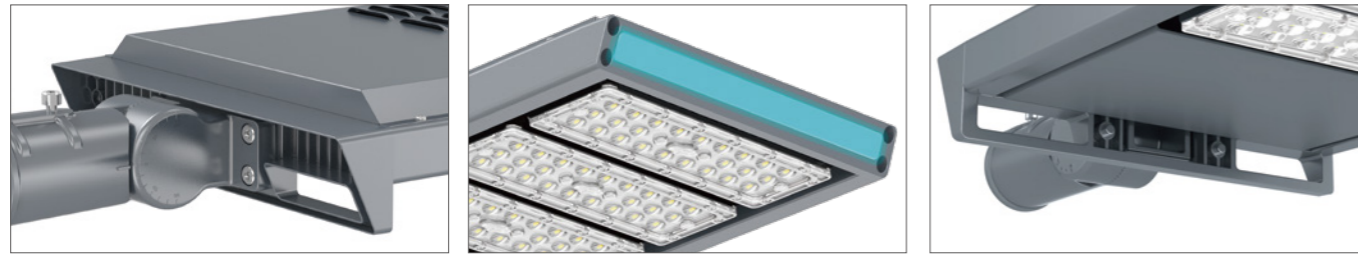
Physical Dimensions (Unit: mm)



Specifications

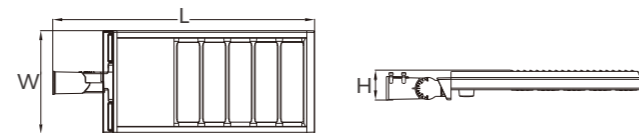
Power	30W	60W	80W	100W	120W	150W	180W	200W	250W	300W	360W	400W
Input Voltage	AC90-305V 50/60HZ											
Power Factor	> 0.95											
Light Source	2835/3030/S050											
CCT	3000K/4000K/5000K/5700K											
CRI	Ra > 70											
Luminous Efficacy	130-180(LM/W)											
Lifespan	50000H											
Material	ADC12											
IP Rate	IP66											
Working Temperature	-40°C to +50°C											
Ambient Humidity	10%-90%RH											
Dimming Type	0-10V/ PWM/ Dali											

EXC-RL-Z08



Physical Dimensions (Unit: mm)

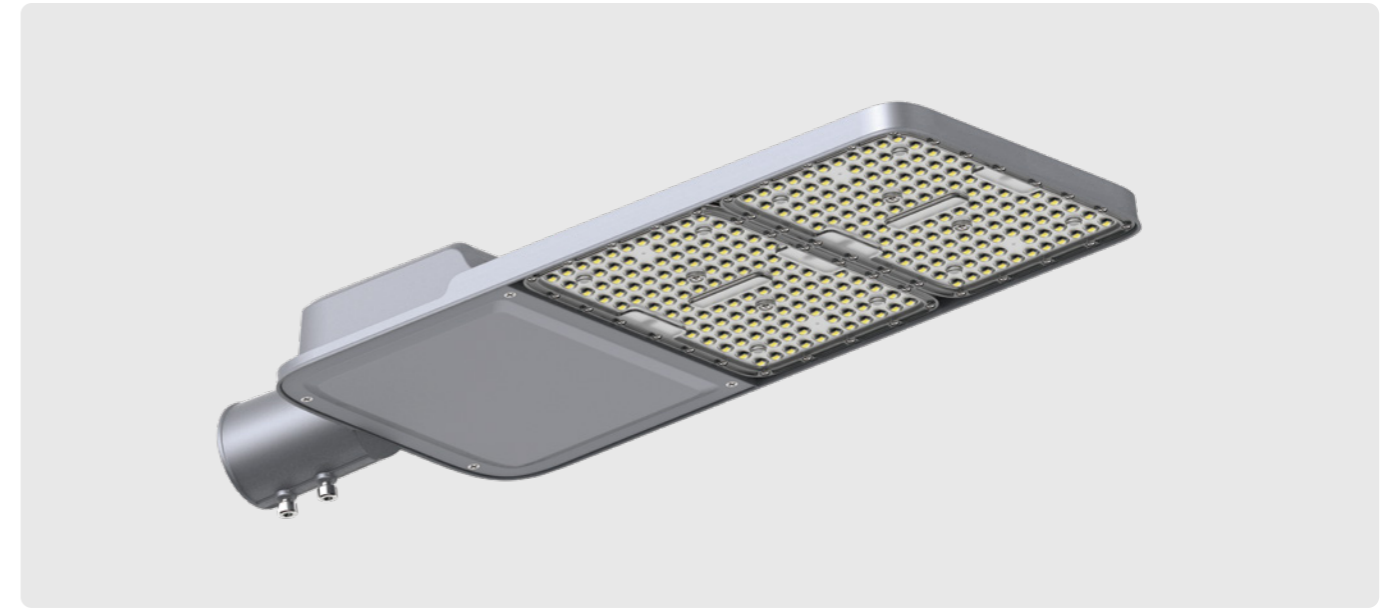
Dimension	L	W	H
50W/60W	470	326	95
100W/120W	555	326	95
150W/180W	640	326	95
200W/240W	720	326	95
250W/300W	835	326	95



Specifications

Power	50W/60W	100W/120W	150W/180W	200W/240W	250W/300W
Input Voltage	AC90-305V 50/60HZ				
Power Factor	> 0.95				
Light Source	2835/3030/5050				
CCT	3000K/4000K/5000K/5700K				
CRI	Ra > 70				
Luminous Efficacy	130-180(LM/W)				
Lifespan	50000H				
Material	ADC12+AL6063				
IP Rate	IP66				
Working Temperature	-40°C to +50°C				
Ambient Humidity	10%-90%RH				
Dimming Type	0-10V/ PWM/ Dali				

EXC-RL-Z10



Physical Dimensions (Unit: mm)

Dimension	L	W	H
30W-60W	395	174	87
60W/120W	514	280	83
150W/300W	710	280	83



Specifications

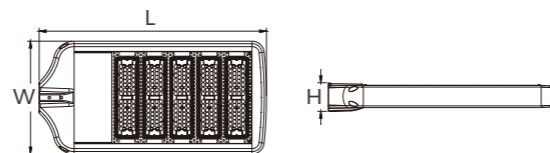
Power	30W	60W	80W	100W	120W	150W	180W	200W	250W	300W
Input Voltage	AC90-305V 50/60HZ									
Power Factor	> 0.95									
Light Source	2835/3030/5050									
CCT	3000K/4000K/5000K/5700K									
CRI	Ra > 70									
Luminous Efficacy	130-180(LM/W)									
Lifespan	50000H									
Material	ADC12									
IP Rate	IP66									
Working Temperature	-40°C to +50°C									
Ambient Humidity	10%-90%RH									
Dimming Type	0-10V/ PWM/ Dali									

EXC-RL-Z11-A



Physical Dimensions (Unit: mm)

Dimension	L	W	H
50W/60W	315	330	83
100W/120W	395	330	83
150W/180W	475	330	83
200W/240W	555	330	83
250W/300W	665	330	83



Specifications

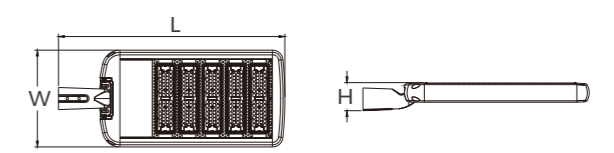
Power	50W/60W	100W/120W	150W/180W	200W/240W	250W/300W
Input Voltage	AC90-305V 50/60HZ				
Power Factor	> 0.95				
Light Source	2835/3030/5050				
CCT	3000K/4000K/5000K/5700K				
CRI	Ra > 70				
Luminous Efficacy	130-180(LM/W)				
Lifespan	50000H				
Material	ADC12+AL6063				
IP Rate	IP66				
Working Temperature	-40°C to +50°C				
Ambient Humidity	10%-90%RH				
Dimming Type	0-10V/ PWM/ Dali				

EXC-RL-Z11-B



Physical Dimensions (Unit: mm)

Dimension	L	W	H
50W/60W	422	330	96
100W/120W	502	330	96
150W/180W	582	330	96
200W/240W	662	330	96
250W/300W	772	330	96



Specifications

Power	50W/60W	100W/120W	150W/180W	200W/240W	250W/300W
Input Voltage	AC90-305V 50/60HZ				
Power Factor	> 0.95				
Light Source	2835/3030/5050				
CCT	3000K/4000K/5000K/5700K				
CRI	Ra > 70				
Luminous Efficacy	130-180(LM/W)				
Lifespan	50000H				
Material	ADC12+AL6063				
IP Rate	IP66				
Working Temperature	-40°C to +50°C				
Ambient Humidity	10%-90%RH				
Dimming Type	0-10V/ PWM/ Dali				

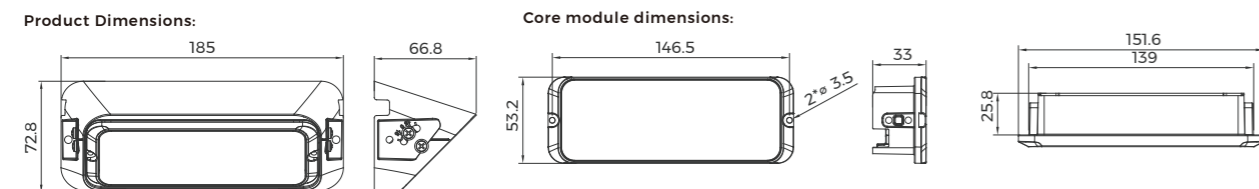
EXC-LL-Z01



Installation Methods

- Recessed installation: Wall embedded, railing embedded installation.
- Surface-mounted installation: Mounting on top of walls.
- Hoop-mounted installation: Installation on vertical and horizontal poles.
- Wall-mounted installation: Installation on guardrails, adjusted plane installation.

Physical Dimensions (Unit: mm)



Specifications

Model	EXC-LL-Z01-015
Input Voltage	18V - 48V DC
Power	3-15W
Light Source	3535
CCT	1800K/2200K/3000K/4000K/5000K/5700K
CRI	Ra>70
Luminous Efficacy	70-110(LM/W)
Lifespan	50000H
Material	ADC12
IP Rate	IP66
Working Temperature	-30°C to +50°C
Ambient Humidity	10%-90%RH
Installation	Recessed /Hoop-mounted/Bracket Installation

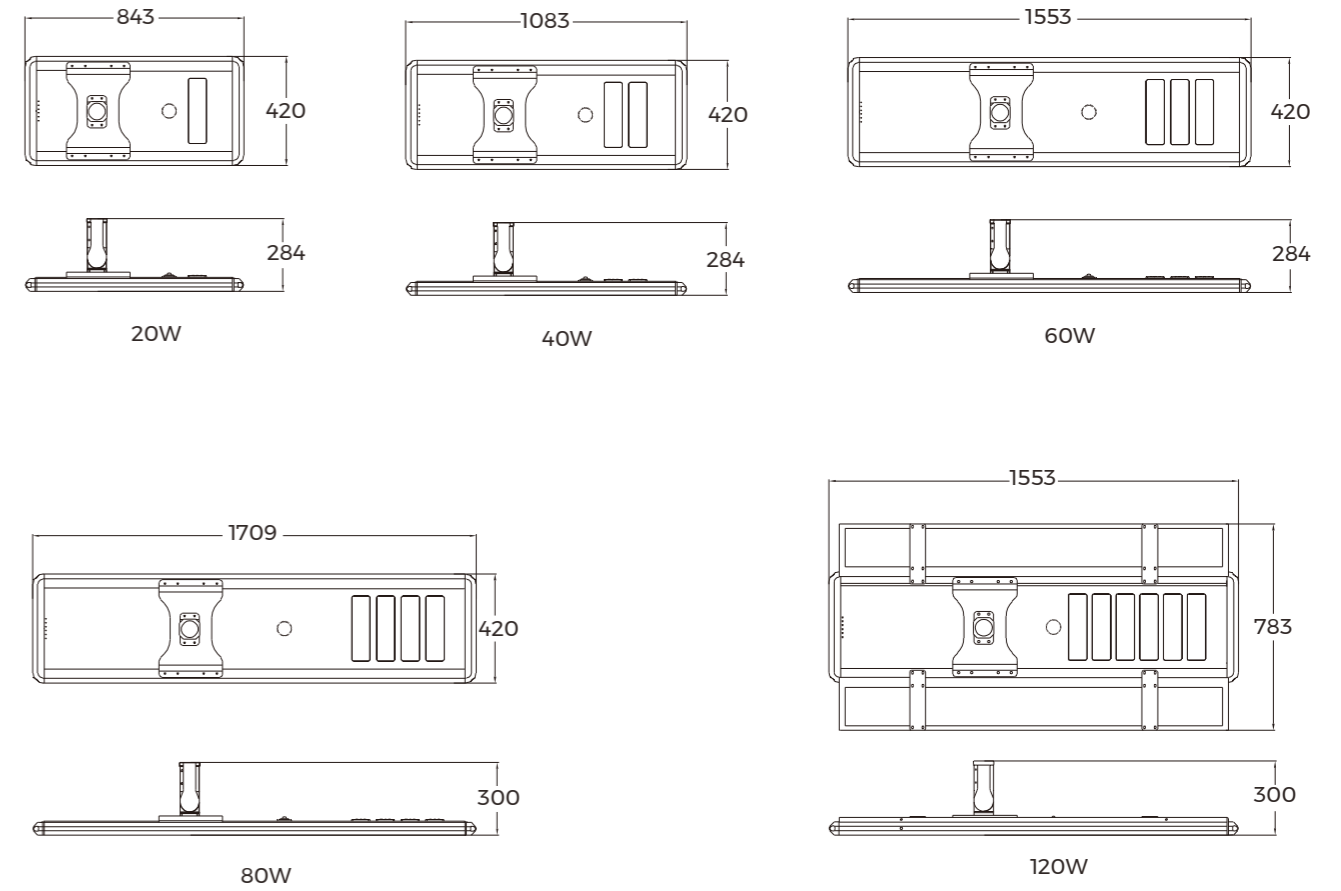
Solar Street Light



EXC-CR-Z01



Physical Dimensions (Unit: mm)

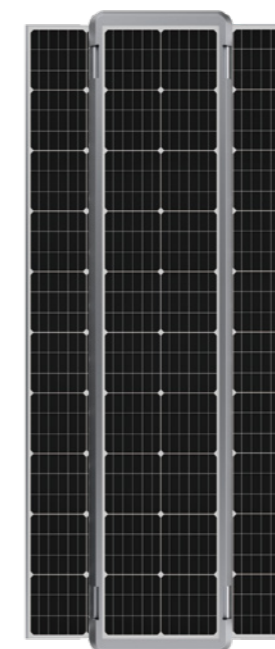


Specifications

Power	20W	40W	60W	80W	120W
Luminous Flux	3800LM	7600LM	11400LM	15200LM	22800LM
Solar Panel	Mono 18V/40W	Mono 18V/60W	Mono 18V/90W	Mono 36V/100W	Mono 36V/180W
Lithium Battery	12.8V/12AH	12.8V/18AH	12.8V/30AH	25.6V/18AH	25.6V/30AH
Light Source	5050				
CCT	3000-6500K				
Working Mode	0.5H-100%, 1.5H 80% manned/60% unmanned, 2H 60% manned/40% unmanned, 8H-20%				
Rainy Days	3~5 Days				
Material	ADC12+AL6063				
Working Temperature	-20°C ~ +60°C				
IP Rate	IP65				
Pole Diameter	60MM		80MM		
Installation Height	3~4M	5~6M	6~8M	8~10M	10~12M



Panel non-expansion

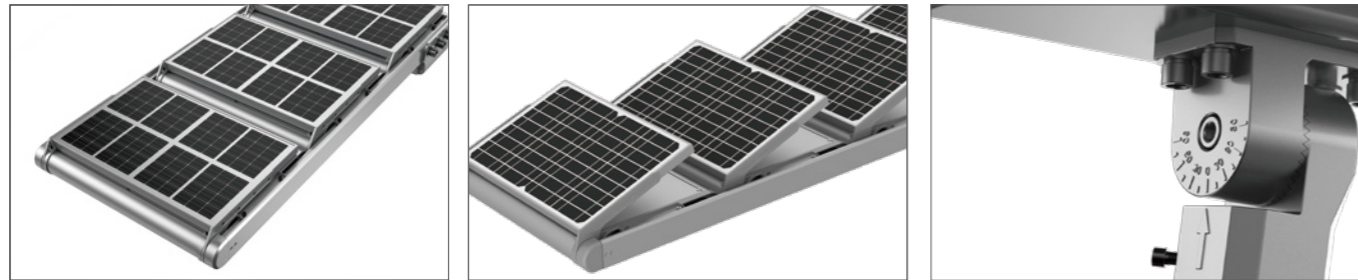
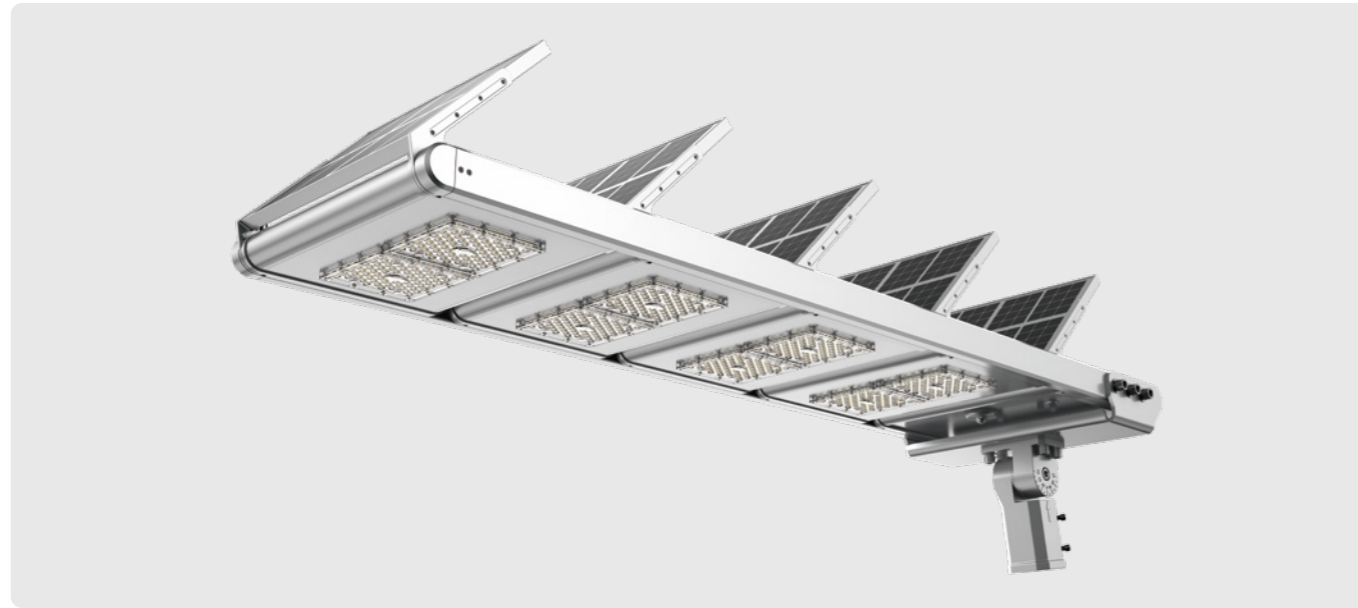


Panel expansion



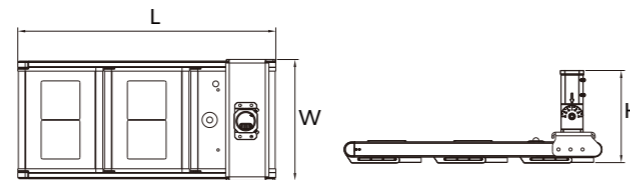
Panel expansion folding

EXC-CR-Z02



Physical Dimensions (Unit: mm)

Dimension	L	W	H
10W	572	403	308
20W	859	403	308
30W	1146	403	308
40W	1433	403	308



Specifications

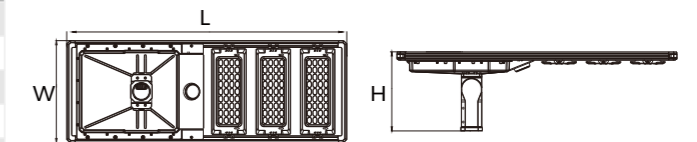
Power	10W	20W	30W	40W
Luminous Flux	2000LM	4000LM	6000LM	8000LM
Solar Panel	Mono 18V/20W	Mono 18V/30W	Mono 18V/40W	Mono 18V/50W
Lithium Battery	12.8V/6AH	12.8V/12AH	12.8V/18AH	12.8V/24AH
Light Source	5050/48PCS	5050/96PCS	5050/144PCS	5050/192PCS
CCT	3000-6500K			
Working Mode	0.5H-100%, 1.5H 80% manned/60% unmanned, 2H 60% manned/40% unmanned, 8H-20%			
Rainy Days	3~5 Days			
Material	ADC12+AL6063			
Working Temperature	-20°C ~ +60°C			
IP Rate	IP65			
Pole Diameter	60MM		76MM	
Installation Height	3~4M	4~6M	6~8M	8~10M

EXC-CR-Z05



Physical Dimensions (Unit: mm)

Dimension	L	W	H
30W	917	368	272
40W	1027	368	272
50W	1337	368	272
65W	1497	368	272
80W	1787	368	272



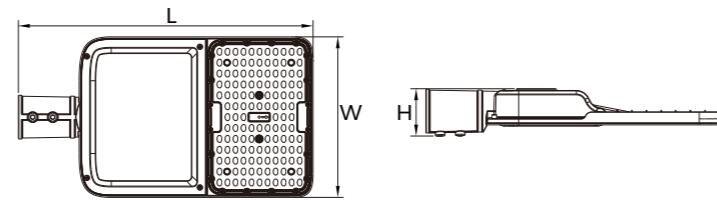
Specifications

Power	30W	40W	50W	65W	80W
Luminous Flux	5400LM	7200LM	9000LM	11700LM	14400LM
Solar Panel	Mono 18V/55W	Mono 18V/65W	Mono 18V/85W	Mono 18V/95W	Mono 18V/110W
Lithium Battery	12.8V/18AH	12.8V/24AH	12.8V/36AH	12.8V/48AH	12.8V/54AH
Light Source	3030/5050				
CCT	3000-6500K				
Working Mode	1H-100%, 1.5H-80%, 1.5H-60%, 1H-40%, 7H-20%				
Rainy Days	3~5 Days				
Material	ADC12+AL6063				
Working Temperature	-20°C ~ +60°C				
IP Rate	IP65				
Pole Diameter	60MM		76MM		
Installation Height	3~4M	5~6M	6~8M	8~10M	10~12M

EXC-FR-Z10



Physical Dimensions (Unit: mm)



Dimension	L	W	H
30W	514	280	83
40W	514	280	83
60W	514	280	83
80W	514	280	83

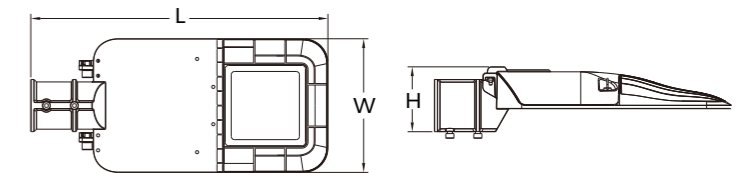
Specifications

Power	30W	40W	60W	80W
Luminous Flux	5500LM	7200LM	11000LM	14000LM
Solar Panel	Mono 18V/80W	Mono 18V/120W	Mono 18V/150W	Mono 18V/200W
Lithium Battery	12.8V/18AH	12.8V/24AH	12.8V/36AH	12.8V/48AH
Light Source	3030/64PCS	3030/80PCS	3030/96PCS	3030/128PCS
CCT	3000-6500K			
Working Mode	1H-100%,1.5H-80%,1.5H-60%, 1H-40%, 7H-20%			
Rainy Days	3~5 Days			
Material	ADC12			
Working Temperature	-20°C ~ +60°C			
IP Rate	IP65			
Pole Diameter	60MM			
Installation Height	4~6M	5~8M	8~10M	10~12M

EXC-FR-RA2



Physical Dimensions (Unit: mm)



Dimension	L	W	H
20W	478	215	102
40W	478	215	102
60W	610	215	102
80W	610	215	102

Specifications

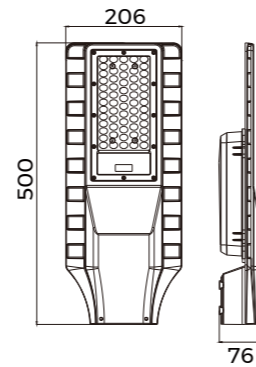
Power	20W	40W	60W	80W
Luminous Flux	4000LM	7200LM	11000LM	14000LM
Solar Panel	Mono 18V/50W	Mono 18V/100W	Mono 18V/130W	Mono 18V/160W
Lithium Battery	12.8V/18AH	12.8V/30AH	12.8V/42AH	12.8V/54AH
Light Source	5050/24PCS	5050/24PCS	5050/48PCS	5050/48PCS
CCT	3000-6500K			
Working Mode	1H-100%,1.5H-80%,1.5H-60%,1H-40%, 7H-20%			
Rainy Days	3~5 Days			
Material	ADC12			
Working Temperature	-20°C ~ +60°C			
IP Rate	IP65			
Pole Diameter	60MM			
Installation Height	4~6M	6~8M	8~10M	10~12M

EXC-FR-W02



Physical Dimensions (Unit: mm)

Dimension	L	W	H
15W	500	206	76
25W	500	206	76



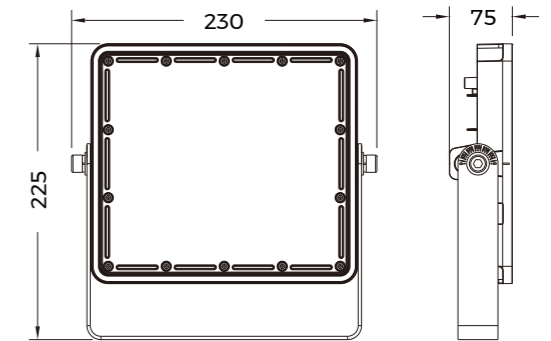
Specifications

Power	15W	25W
Luminous Flux	2500LM	4200LM
Solar Panel	Mono 6V/65W	Mono 6V/80W
Lithium Battery	3.2V/45AH	3.2V/60AH
Light Source	5050/60PCS	
CCT	3000-6500K	
Working Mode	1H-100%,1.5H-80%,1.5H-60%, 1H-40%, 7H-20%	
Rainy Days	3~5 Days	
Materials	Aluminum	
Working Temperature	-20°C ~ +60°C	
IP Rate	IP65	
Pole Diameter	60MM	
Installation Height	3~5M	4~6M

EXC-TL-Z08



Physical Dimensions (Unit: mm)



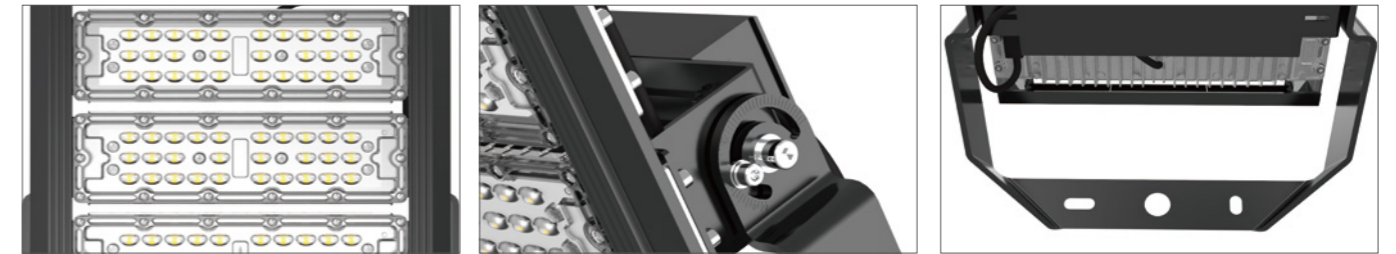
Specifications

Power	20W	30W	40W	60W
Luminous Flux	3400LM	5100LM	6800LM	10200LM
Solar Panel	Mono 18V/65W	Mono 18V/90W	Mono 18V/120W	Mono 18V/150W
Lithium Battery	12.8V/12AH	12.8V/18AH	12.8V/24AH	12.8V/30AH
Light Source	3030/72PCS			
CCT	3000-6500K			
Working Mode	1H-100%,1.5H-80%,1.5H-60%, 1H-40%, 7H-20%			
Rainy Days	3~5 Days			
Material	ADC12			
Working Temperature	-20°C ~ +60°C			
IP Rate	IP65			
Installation	Bracket Installation			
Installation Height	3~5M	4~6M	6~8M	8~10M

High Mast Light

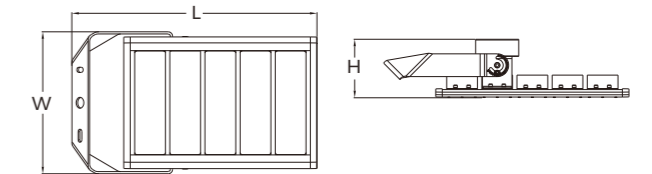


EXC-FL-Z01



Physical Dimensions (Unit: mm)

Dimension	L	W	H
50W/60W	241	312	131
100W/120W	321	312	131
150W/180W	401	312	131
200W/240W	478	323	133
250W/300W	558	323	133



Specifications

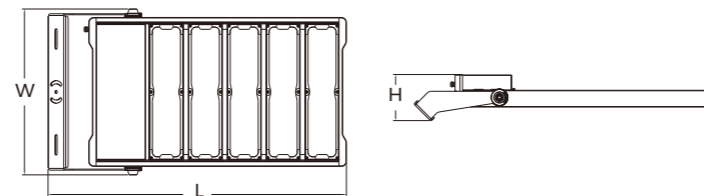
Power	50W/60W	100W/120W	150W/180W	200W/240W	250W/300W
Input Voltage	AC90-305V 50/60HZ				
Power Factor	> 0.95				
Light Source	3030/5050				
CCT	3000K/4000K/5000K/5700K				
CRI	Ra > 70				
Luminous Efficacy	130-180(lm/W)				
Lifespan	50000H				
Material	ADC12+AL6063				
IP Rate	IP66				
Working Temperature	-40°C to +50°C				
Ambient Humidity	10%-90%RH				
Installation	Bracket Installation				

EXC-FL-Z02



Physical Dimensions (Unit: mm)

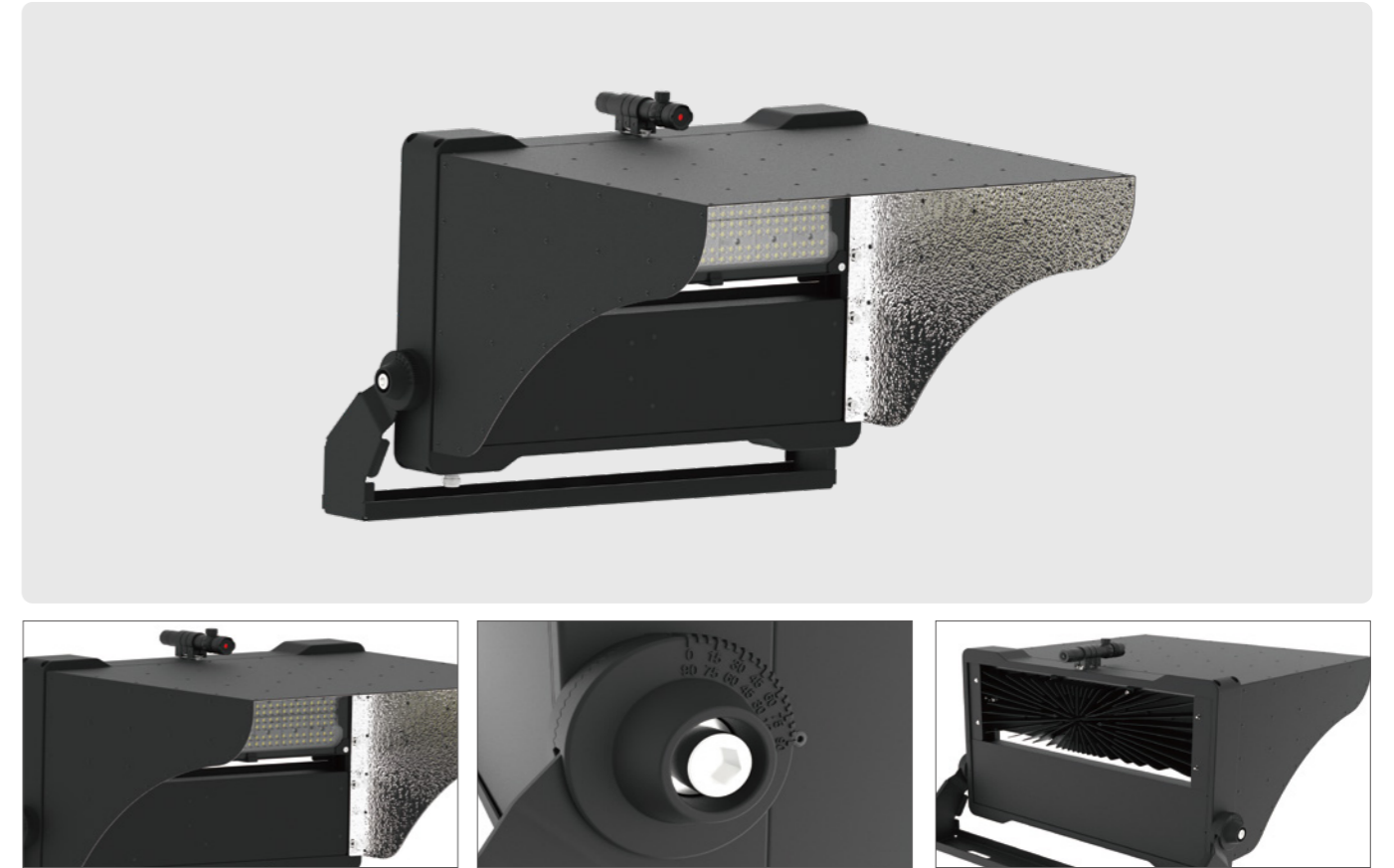
Dimension	L	W	H	
Regular Model	300W	450	674	112
	600W	608	674	112
	900W	896	674	187
	1200W	1054	674	187
	1500W	1212	674	187
Fan Model	500W	450	674	163
	1000W	671	674	163
	1500W	896	674	187
	2000W	1054	674	187
	2500W	1212	674	187



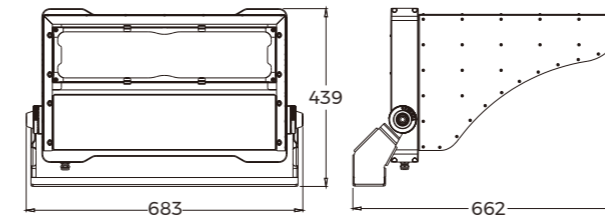
Specifications

Power	300/500W	600/1000W	900/1500W	1200/2000W	1500/2500W
Input Voltage	AC90-305V 50/60HZ				
Power Factor	> 0.95				
Light Source	3030/3535/5050				
CCT	3000K/4000K/5000K/5700K				
CRI	Ra > 70				
Luminous Efficacy	130-180(LM/W)				
Lifespan	50000H				
Material	ADC12				
IP Rate	IP66				
Working Temperature	-40°C to +50°C				
Ambient Humidity	10%-90%RH				
Installation	Bracket Installation				

EXC-FL-Z02



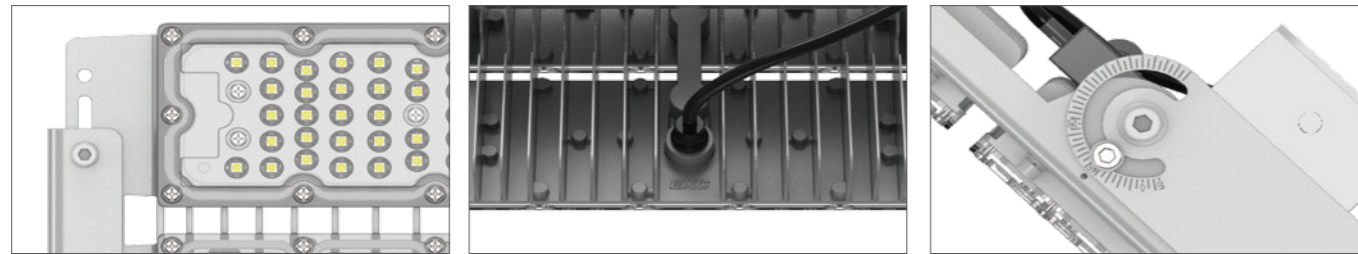
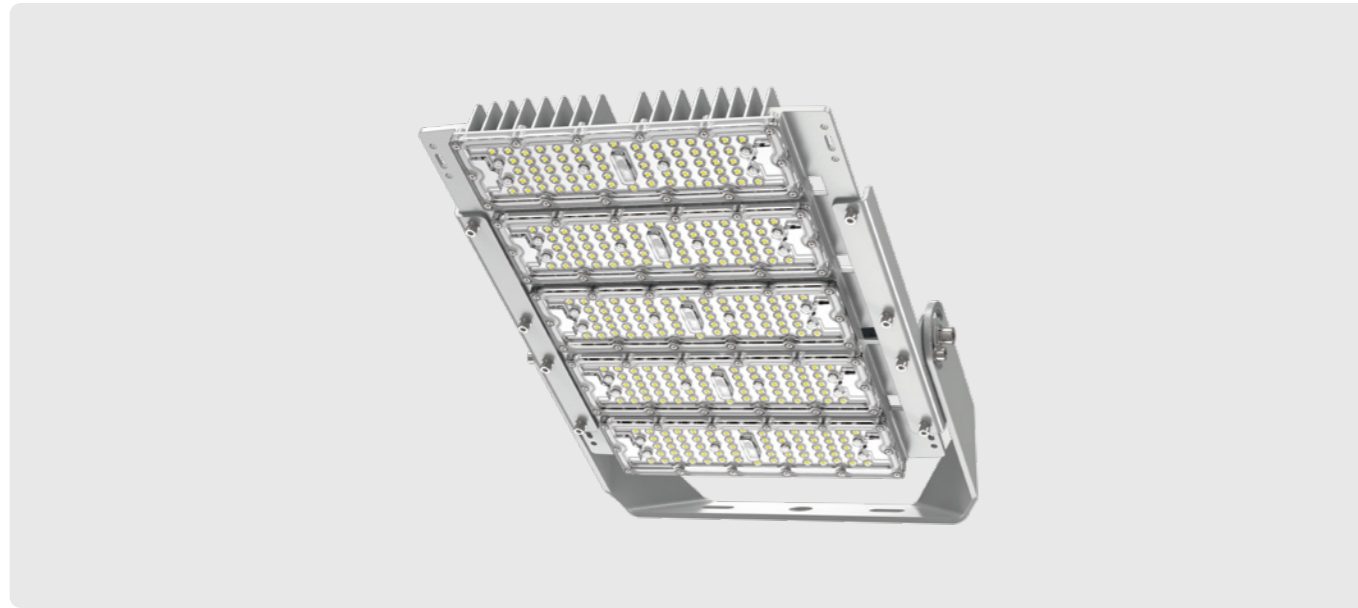
Physical Dimensions (Unit: mm)



Specifications

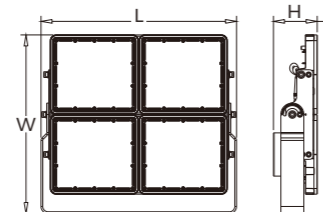
Power	300/500W
Input Voltage	AC90-305V 50/60HZ
Power Factor	> 0.95
Light Source	3030/5050
CCT	3000K/4000K/5000K/5700K
CRI	Ra > 70
Luminous Efficacy	130-180(LM/W)
Lifespan	50000H
Material	ADCT2+AL6063
IP Rate	IP66
Working Temperature	-40°C to +50°C
Ambient Humidity	10%-90%RH
Dimming Type	0-10V/ PWM/ Dali

EXC-FL-Z03



Physical Dimensions (Unit: mm)

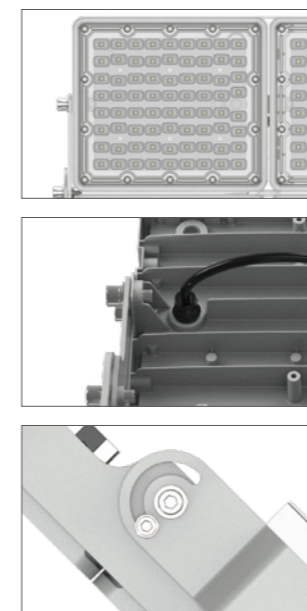
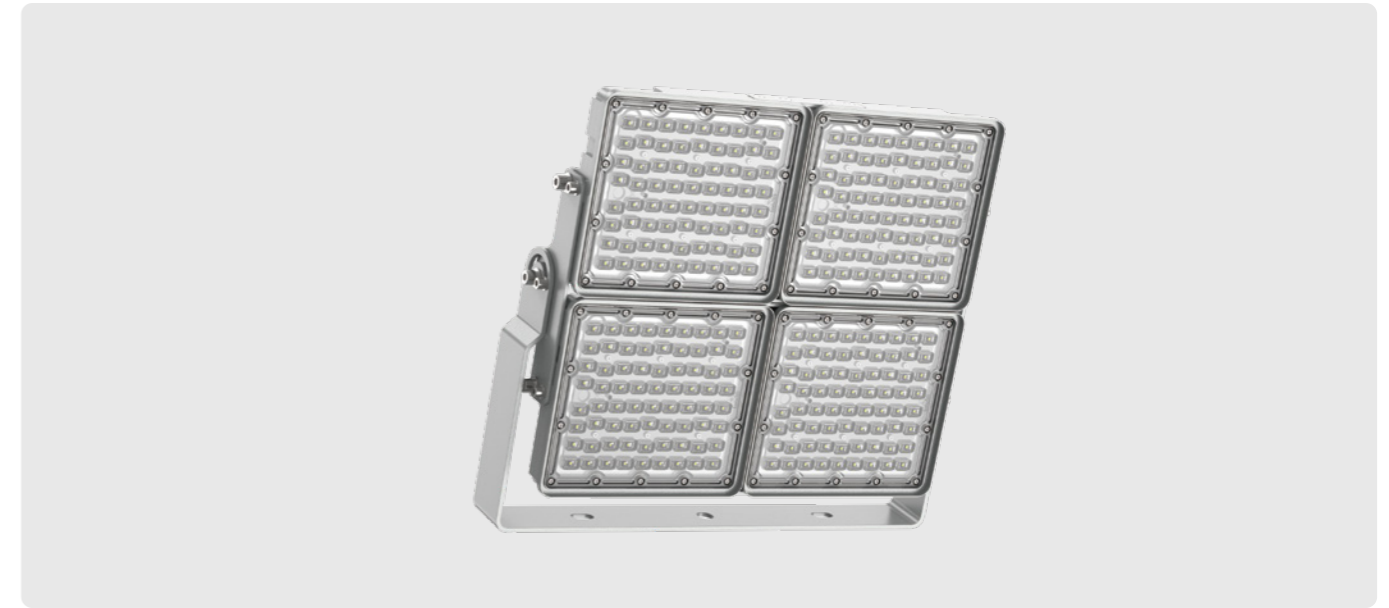
Dimension	L	W	H
50W/60W	190	340	110
100W/120W	270	340	110
150W/180W	350	340	110
200W/240W	430	345	110
250W/300W	510	345	110



Specifications

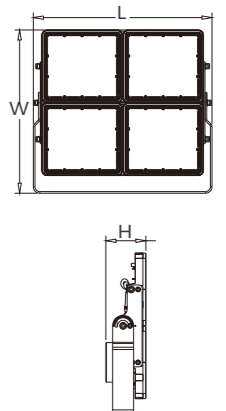
Power	50W/60W	100W/120W	150W/180W	200W/240W	250W/300W
Input Voltage	220Vac				
Power Factor	≥0.95				
Light Source	2835/3030/5050				
CCT	3000K/4000K/5000K/5700K				
CRI	Ra > 70				
Luminous Efficacy	130-180(LM/W)				
Lifespan	50000H				
Material	ADC12				
IP Rate	IP66				
Working Temperature	-40°C to +50°C				
Ambient Humidity	10%-90%RH				
Dimming Type	Bracket Installation				

EXC-FL-Z04



Physical Dimensions (Unit: mm)

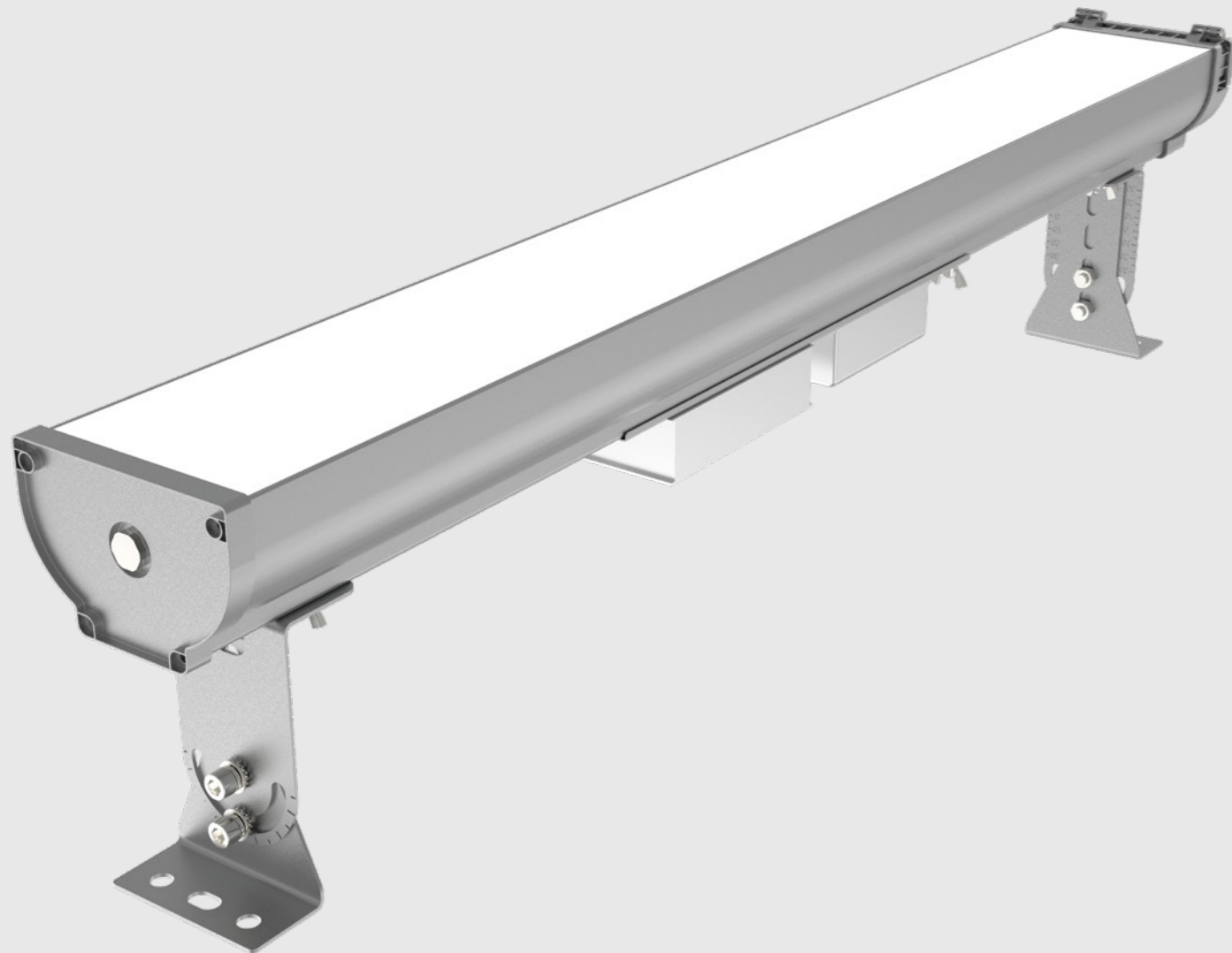
Dimension	L	W	H
60W	230	225	75
80W	230	225	75
100W	430	225	95
120W	430	225	95
150W	430	225	95
180W	635	225	100
200W	635	225	100
240W	445	405	100
320W	445	405	100
480W	645	405	100
600W	845	405	100



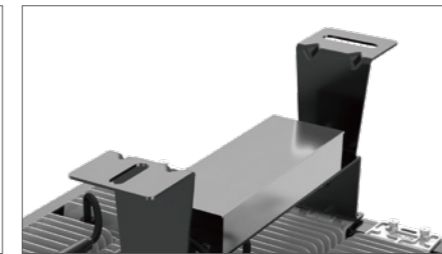
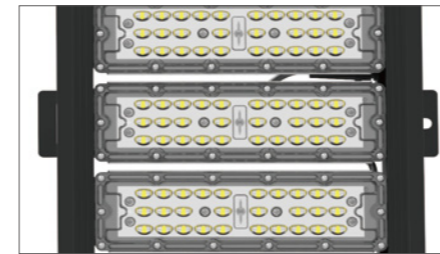
Specifications

Power	60W	80W	100W	120W	150W	180W	200W	240W	320W	480W	600W
Input Voltage	AC90-305V 50/60HZ										
Power Factor	> 0.95										
Light Source	3030/5050										
CCT	3000K/4000K/5000K/5700K										
CRI	Ra > 70										
Luminous Efficacy	130-180(LM/W)										
Lifespan	50000H										
Material	ADC12										
IP Rate	IP66										
Working Temperature	-40°C to +50°C										
Ambient Humidity	10%-90%RH										
Dimming Type	Bracket Installation										

Tunnel Light

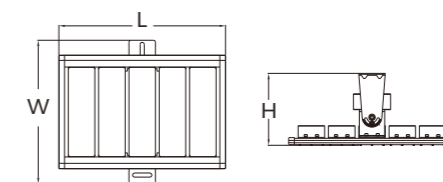


EXC-TL-Z01



Physical Dimensions (Unit: mm)

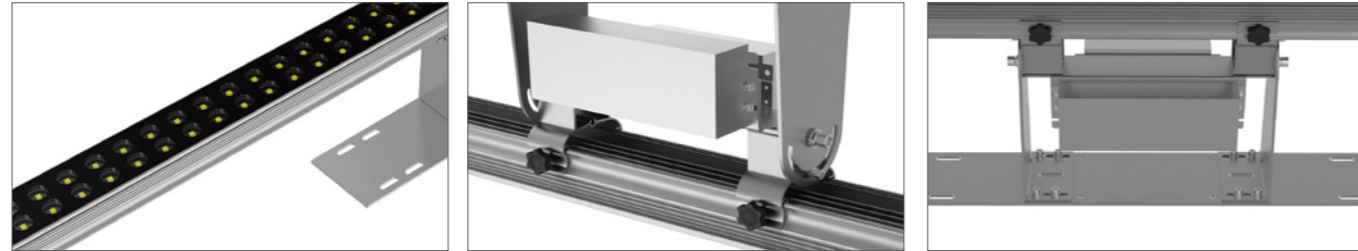
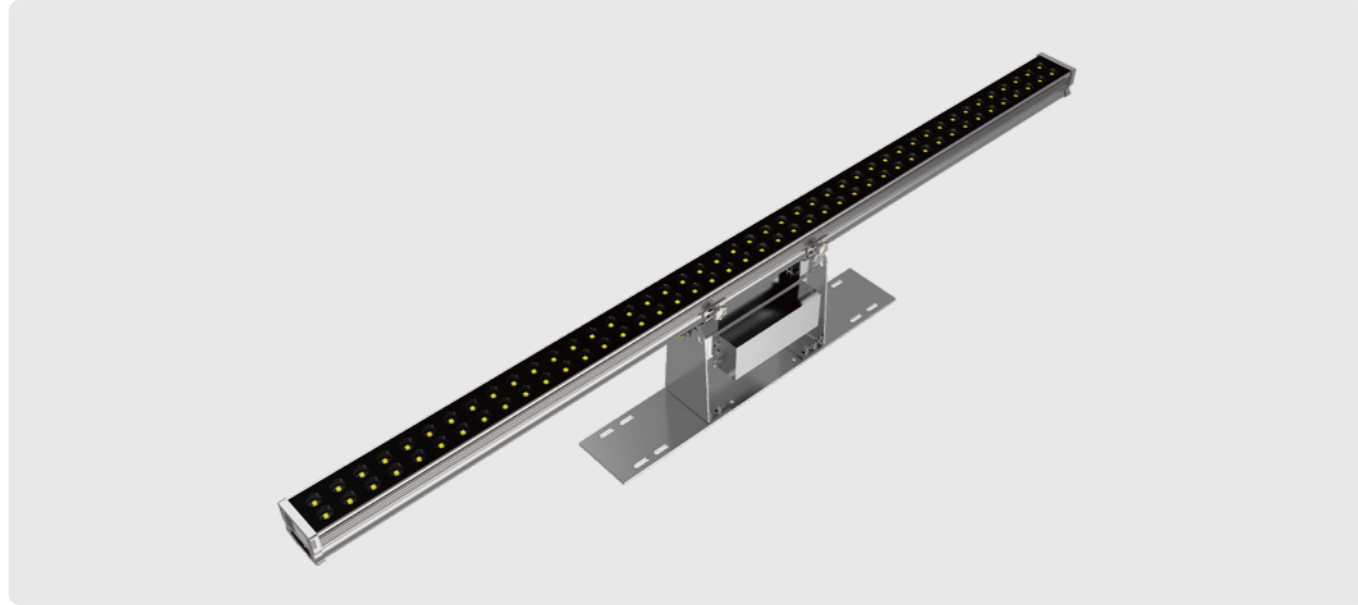
Dimension	L	W	H
100W/120W	200	379	190
150W/180W	280	379	190
200W/240W	360	379	190
250W/300W	440	379	190



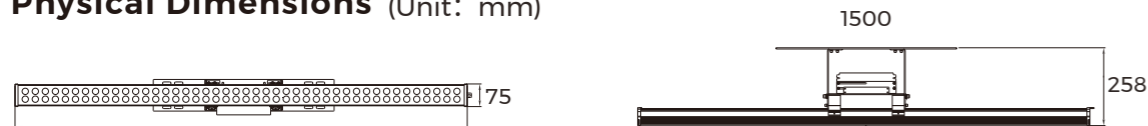
Specifications

Power	100W/120W	150W/180W	200W/240W	250W/300W
Input Voltage	AC90-305V 50/60HZ			
Power Factor	> 0.95			
Light Source	2835/3030/5050			
CCT	3000K/4000K/5000K/5700K			
CRI	Ra > 70			
Luminous Efficacy	130-180(LM/W)			
Lifespan	50000H			
Material	ADC12+AL6063			
IP Rate	IP66			
Working Temperature	-40°C to +50°C			
Ambient Humidity	10%-90%RH			
Dimming Type	0-10V/ PWM/ Dali			

EXC-TL-Z02



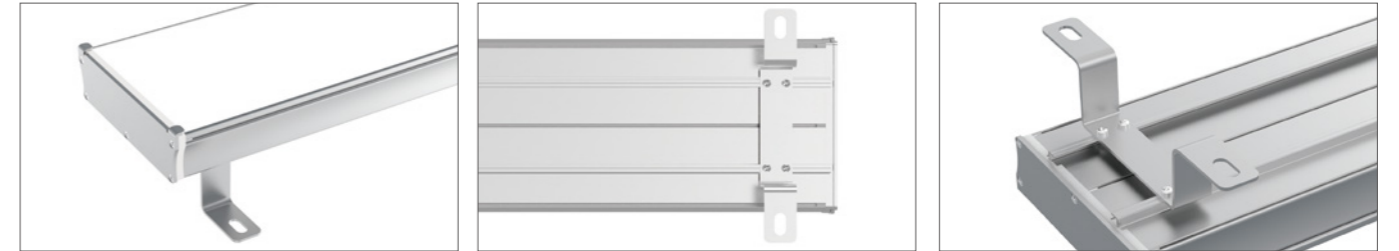
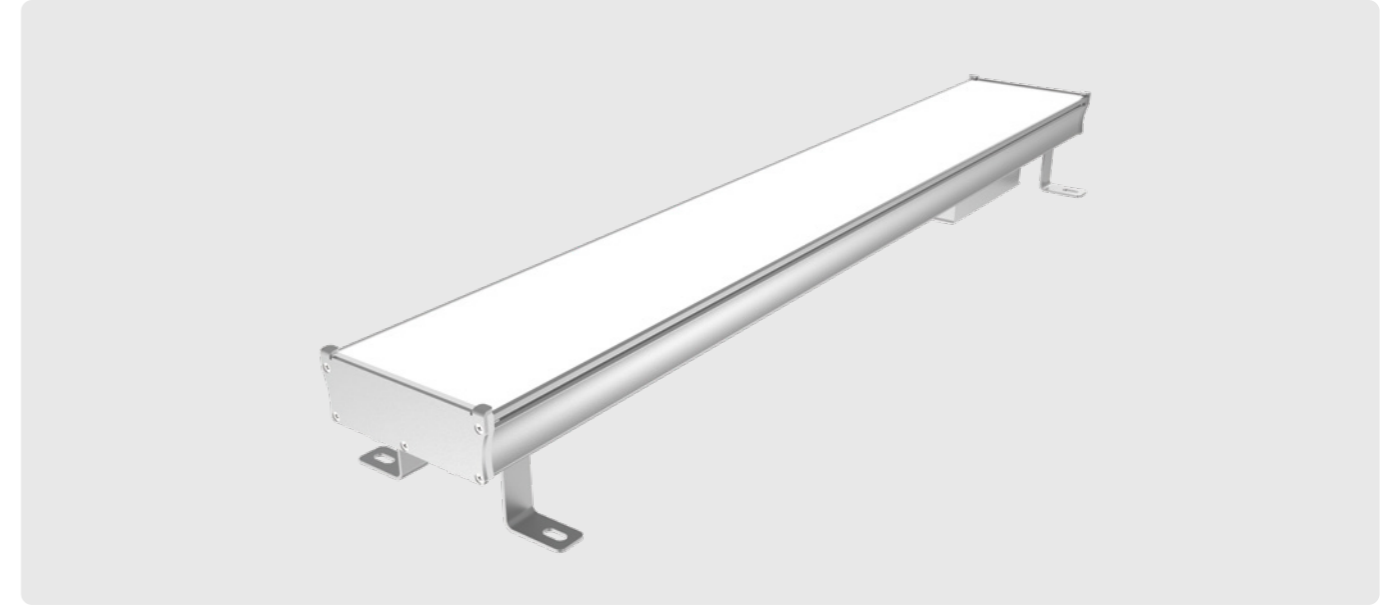
Physical Dimensions (Unit: mm)



Specifications

Power	15W	30W	45W	60W	75W	90W	120W	150W	180W
Input Voltage	AC90-305V 50/60HZ								
Power Factor	> 0.95								
Light Source	2835/3030/5050								
CCT	3000K/4000K/5000K/5700K								
CRI	Ra > 70								
Luminous Efficacy	120(LM/W)								
Lifespan	50000H								
Material	AL6063								
IP Rate	IP66								
Working Temperature	-40°C to +50°C								
Ambient Humidity	10%-90%RH								
Dimming Type	Bracket Installation								

EXC-TL-Z03



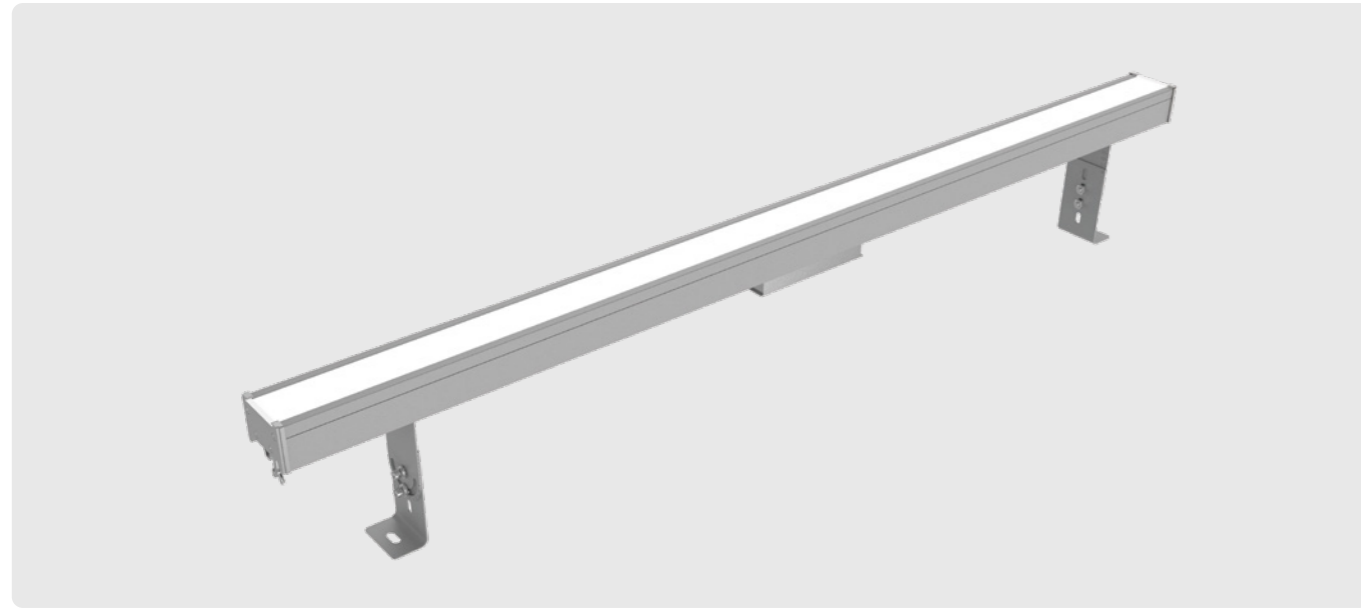
Physical Dimensions (Unit: mm)



Specifications

Power	15W	30W	45W	60W	75W	90W	120W	150W	180W	200W
Input Voltage	AC90-305V 50/60HZ									
Power Factor	> 0.95									
Light Source	2835/3030/5050									
CCT	3000K/4000K/5000K/5700K									
CRI	Ra > 70									
Luminous Efficacy	120(LM/W)									
Lifespan	50000H									
Material	AL6063									
IP Rate	IP66									
Working Temperature	-40°C to +50°C									
Ambient Humidity	10%-90%RH									
Installation	Bracket Installation									

EXC-TL-Z04



Physical Dimensions (Unit: mm)



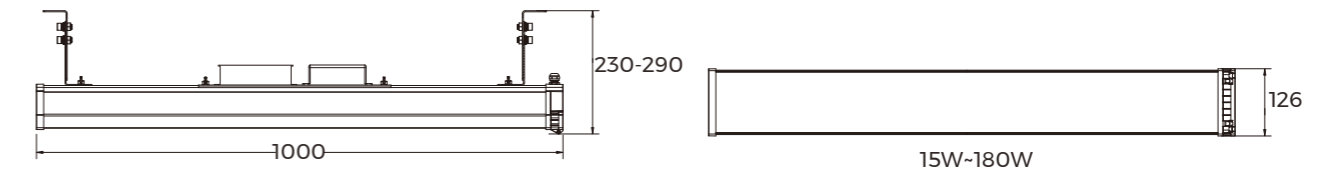
Specifications

Power	15W	30W	45W	60W	75W	90W	120W	150W	180W
Input Voltage	AC90-305V 50/60HZ								
Power Factor	> 0.95								
Light Source	3030/2835								
CCT	3000K/4000K/5000K/5700K								
CRI	Ra > 70								
Luminous Efficacy	120(LM/W)								
Lifespan	50000H								
Material	AL6063								
IP Rate	IP66								
Working Temperature	-40°C to +50°C								
Ambient Humidity	10%-90%RH								
Installation	Bracket Installation								

EXC-TL-Z05



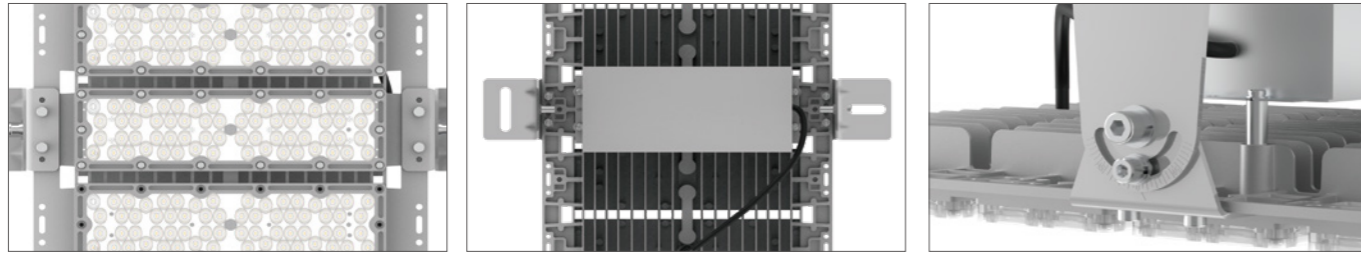
Physical Dimensions (Unit: mm)



Specifications

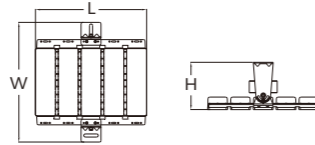
Power	15W	30W	45W	60W	75W	90W	120W	150W	180W
Input Voltage	AC90-305V 50/60HZ								
Power Factor	> 0.95								
Light Source	3030/2835								
CCT	3000K/4000K/5000K/5700K								
CRI	Ra > 70								
Luminous Efficacy	120(LM/W)								
Lifespan	50000H								
Material	AL6063								
IP Rate	IP66								
Working Temperature	-40°C to +50°C								
Ambient Humidity	10%-90%RH								
Dimming Type	Bracket Installation								

EXC-TL-Z06



Physical Dimensions (Unit: mm)

Dimension	L	W	H
100W/120W	150	390	146
150W/180W	230	390	146
200W/240W	310	420	166
250W/300W	390	420	166



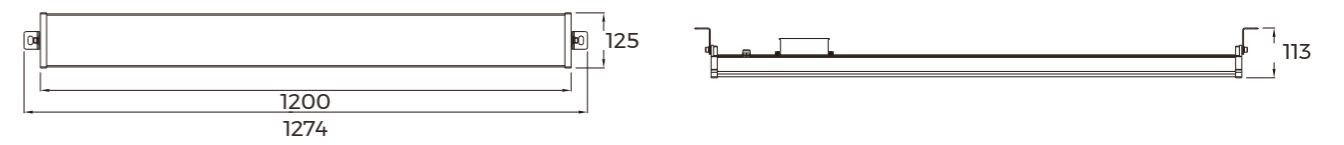
Specifications

Power	100W/120W	150W/180W	200W/240W	250W/300W
Input Voltage	AC90-305V 50/60HZ			
Power Factor	> 0.95			
Light Source	2835/3030/5050			
CCT	3000K/4000K/5000K/5700K			
CRI	Ra > 70			
Luminous Efficacy	130-180(LM/W)			
Lifespan	50000H			
Material	ADC12			
IP Rate	IP66			
Working Temperature	-40°C to +50°C			
Ambient Humidity	10%-90%RH			
Dimming Type	0-10V/ PWM/ Dali			

EXC-TL-Z07



Physical Dimensions (Unit: mm)



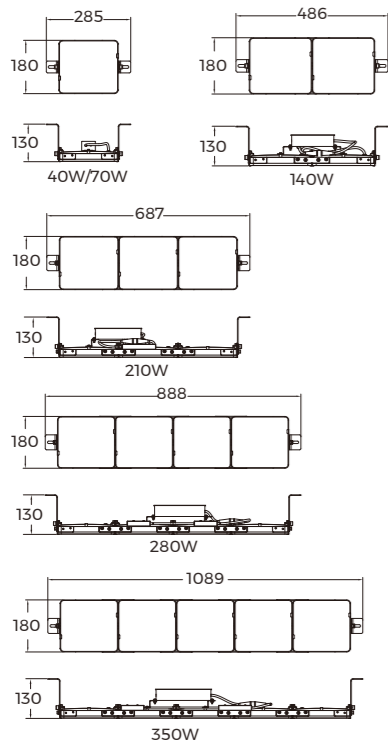
Specifications

Power	15W	30W	45W	60W	75W	90W	120W	150W	180W	200W
Input Voltage	AC90-305V 50/60HZ									
Power Factor	> 0.95									
Light Source	3030/2835									
CCT	3000K/4000K/5000K/5700K									
CRI	Ra > 70									
Luminous Efficacy	120(LM/W)									
Lifespan	50000H									
Material	AL6063									
IP Rate	IP66									
Working Temperature	-40°C to +50°C									
Ambient Humidity	10%-90%RH									
Installation	Bracket Installation									

EXC-TL-Z08/Z08T



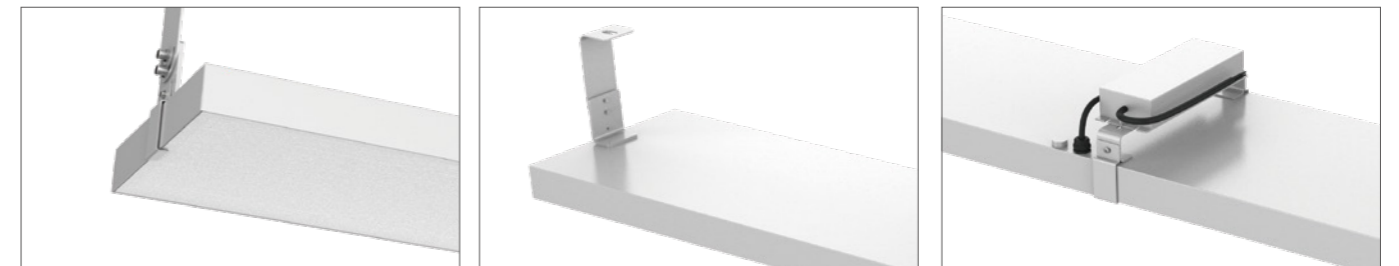
Physical Dimensions (Unit: mm)



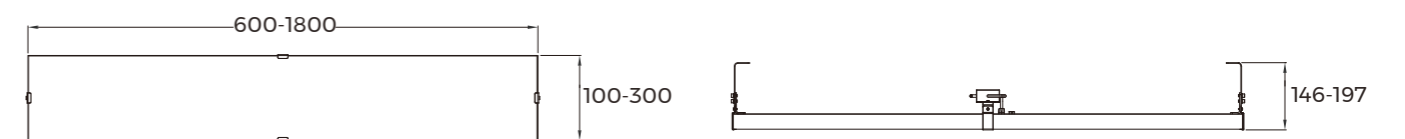
Specifications

Power	40W	70W	140W	210W	280W	350W
Input Voltage	AC90-305V 50/60HZ					
Power Factor	> 0.95					
Light Source	3030/5050					
CCT	3000K/4000K/5000K/5700K					
CRI	Ra > 70					
Luminous Efficacy	130-180(LM/W)					
Lifespan	50000H					
Material	ADC12					
IP Rate	IP66					
Working Temperature	-40°C to +50°C					
Ambient Humidity	10%-90%RH					
Installation	Bracket installation					

EXC-TL-Z09



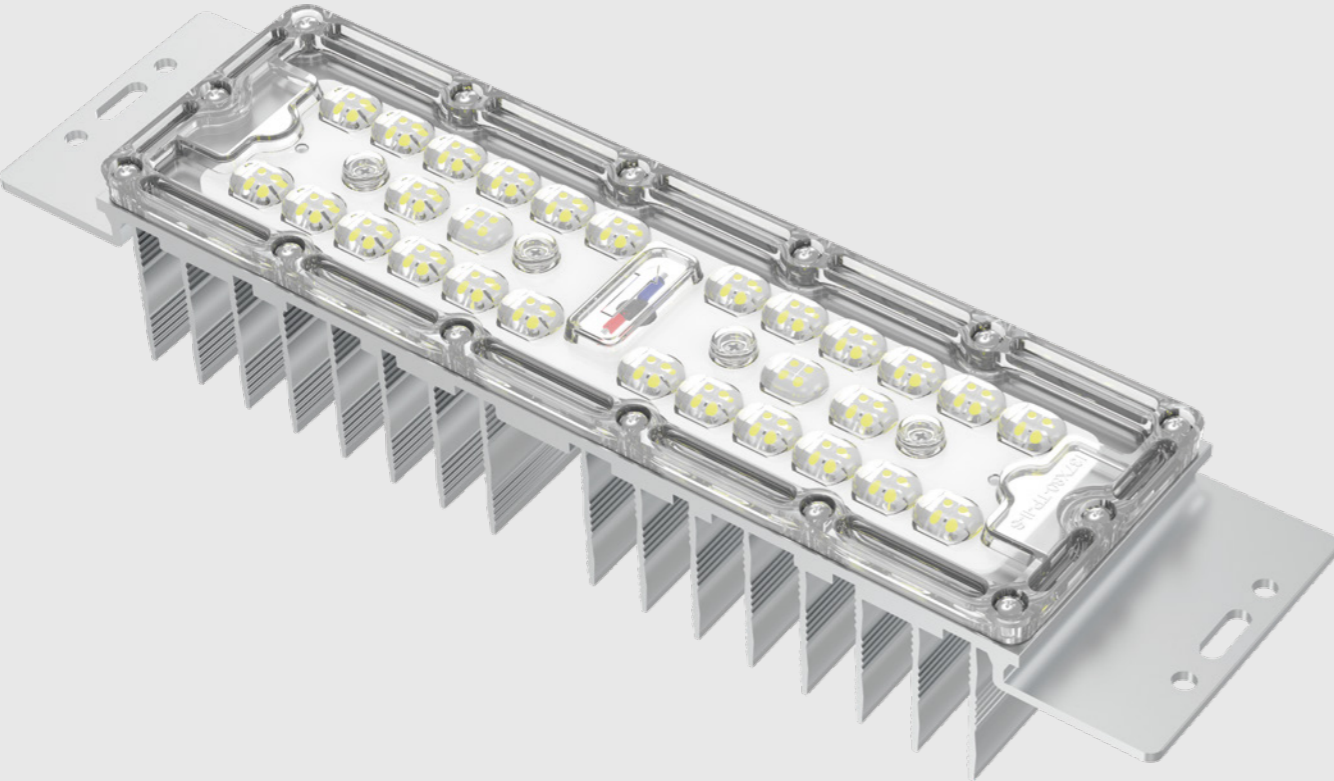
Physical Dimensions (Unit: mm)



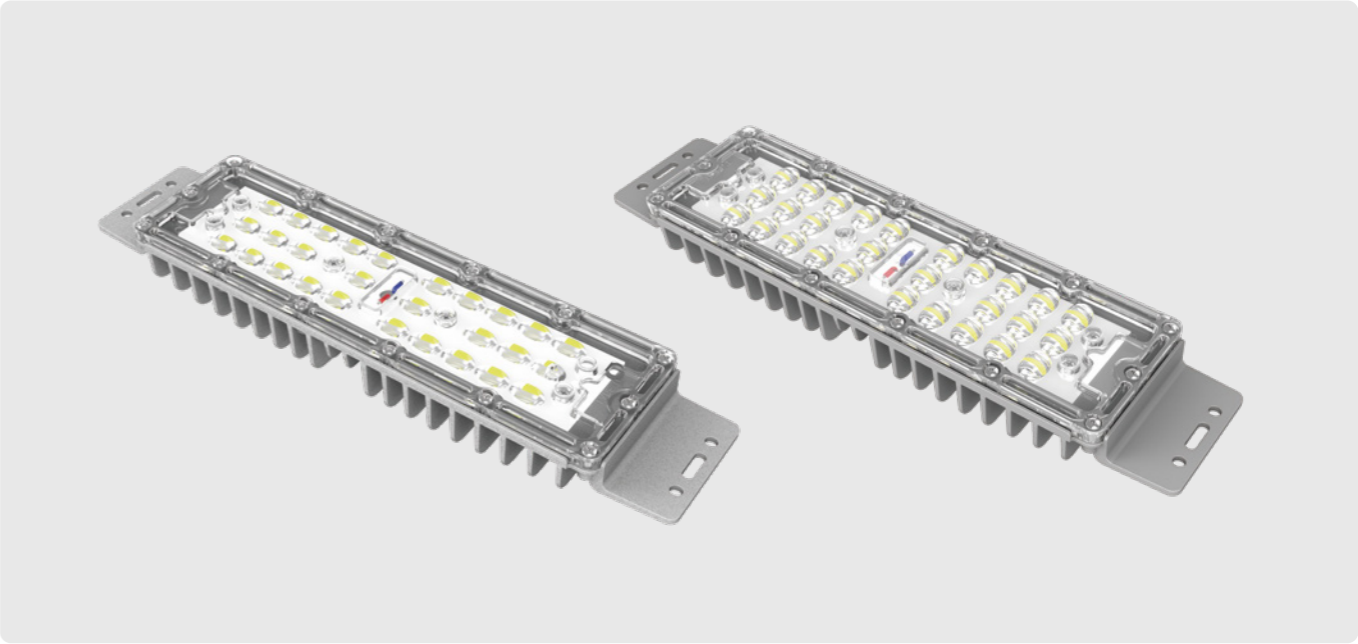
Specifications

Power	15W	30W	45W	60W	75W	90W	120W	150W	180W	200W
Input Voltage	AC90-305V 50/60HZ									
Power Factor	> 0.95									
Light Source	Lumileds/Lightning (3030/2835)									
CCT	3000K/4000K/5000K/5700K									
CRI	Ra > 70									
Luminous Efficacy	120(LM/W)									
Lifespan	50000H									
Material	SPCC									
IP Rate	IP66									
Working Temperature	-40°C to +50°C									
Ambient Humidity	10%-90%RH									
Installation	Bracket Installation									

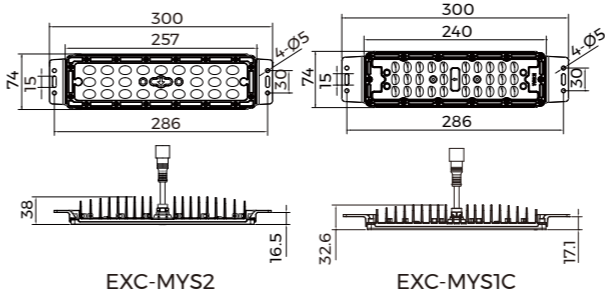
LED Module



EXC-MYS1C/MYS2C



Physical Dimensions (Unit: mm)



Basic Parameters

- Light source: 2835/3030/5050
- CCT: 3000K/4000K/5000K/5700K
- CRI: >70
- Lifespan: >50000 H
- Material: ADC12
- IP Rate: IP66
- Working temperature: -40°C to 50°C
- Storage temperature: -40°C to 65°C
- Ambient humidity: 10%-90%RH
- Application: road lighting, tunnel lighting, sports lighting

Specifications

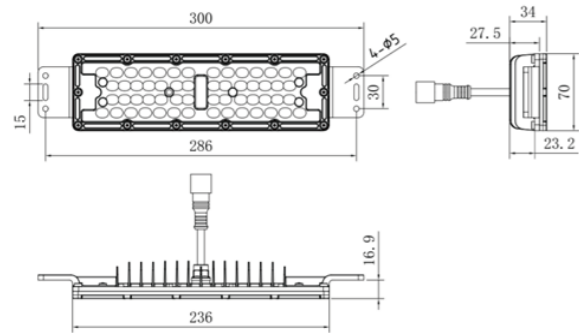
Model	Power(W)	Input Voltage(V)	Light Source	LED QTY (PCS)	Luminous Efficacy (LM/W)
EXC-MYS1C	50	48	2835	56	140
EXC-MYS1C	50	48	3030	56	156
EXC-MYS1C	50	48	5050	28	182
EXC-MYS2C	60	48	2835	64	145
EXC-MYS2C	60	48	3030	64	155
EXC-MYS2C	60	48	5050	24	173
EXC-MYS1C(Vertical)	40	48	5050	20	180
EXC-MYS1C(Vertical)	50	48	5050	28	180

Note: The module luminous efficiency data in the table does not include the power loss, the luminous efficiency error of about 5%-7%.

EXC-MYS3C/MYS4C



Physical Dimensions (Unit: mm)



Basic Parameters

Light source: 2835/3030/5050
 CCT: 3000K/4000K/5000K/5700K
 CRI: >70
 Lifespan: >50000 H
 Material: ADC12
 IP Rate: IP66
 Working temperature: -40°C to 50°C
 Storage temperature: -40°C to 65°C
 Ambient humidity: 10%-90%RH
 Application: road lighting, tunnel lighting

Specifications

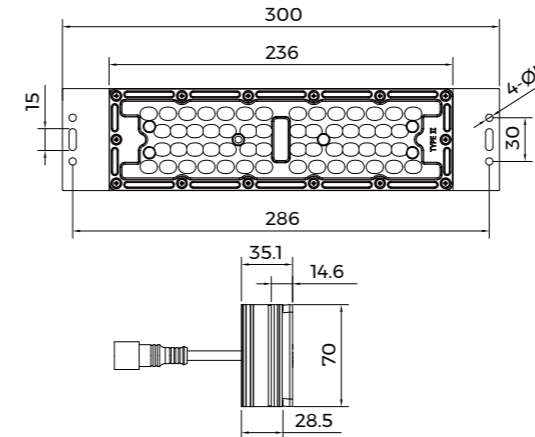
Model	Power(W)	Input Voltage(V)	Light Source	LED QTY(PCS)	Luminous Efficacy (LM/W)
EXC-MYS3C	40	48	2835	48	140
EXC-MYS3C	50	48	2835	56	142
EXC-MYS3C	40	48	3030	48	144
EXC-MYS3C	50	48	3030	56	149
EXC-MYS3C	40	48	5050	20	170
EXC-MYS3C	50	48	5050	24	173
EXC-MYS4C	50	48	2835	56	140
EXC-MYS4C	60	48	2835	64	142
EXC-MYS4C	50	48	3030	56	145
EXC-MYS4C	60	48	3030	64	150
EXC-MYS4C	50	48	5050	24	173
EXC-MYS4C	60	48	5050	28	175

Note: The module luminous efficiency data in the table does not include the power loss, the luminous efficiency error of about 5%-7%.

EXC-MLS6C



Physical Dimensions (Unit: mm)



Basic Parameters

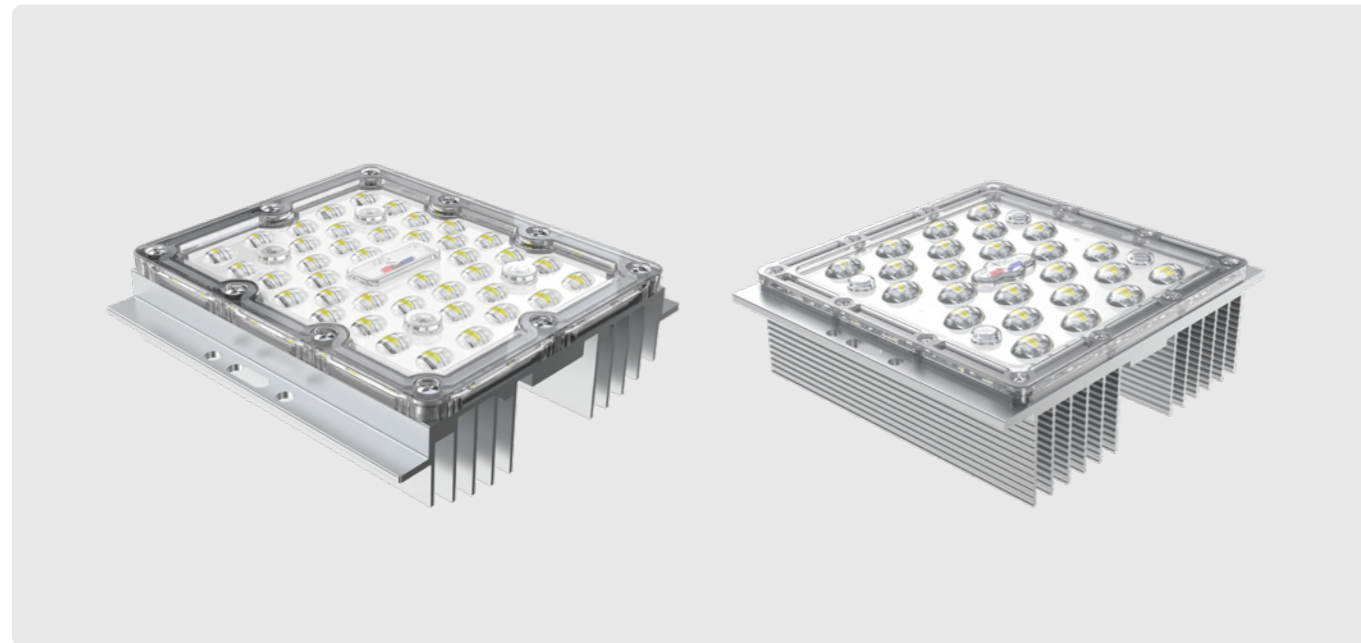
Light source: 2835/3030/5050
 CCT: 3000K/4000K/5000K/5700K
 CRI: >70
 Lifespan: >50000 H
 Material: ADC12
 IP Rate: IP66
 Size: 300X70X35.1mm
 Weight: 480g
 Working temperature: -40°C to 50°C
 Storage temperature: -40°C to 65°C
 Ambient humidity: 10%-90%RH
 Application: road lighting, tunnel lighting, sports lighting

Specifications

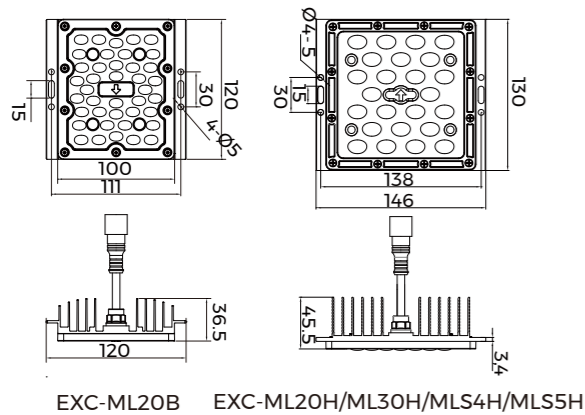
Model	Power(W)	Input Voltage(V)	Light Source	LED QTY(PCS)	Luminous Efficacy (LM/W)
EXC-MLS6C	50	48	2835	56	140
EXC-MLS6C	60	48	2835	64	142
EXC-MLS6C	50	48	3030	56	149
EXC-MLS6C	60	48	3030	64	145
EXC-MLS6C	50	48	5050	24	170
EXC-MLS6C	60	48	5050	28	175

Note: The module luminous efficiency data in the table does not include the power loss, the luminous efficiency error of about 5%-7%.

EXC-ML20B/ML20H/ML30H/MLS4H/MLS5H



Physical Dimensions (Unit: mm)



Basic Parameters

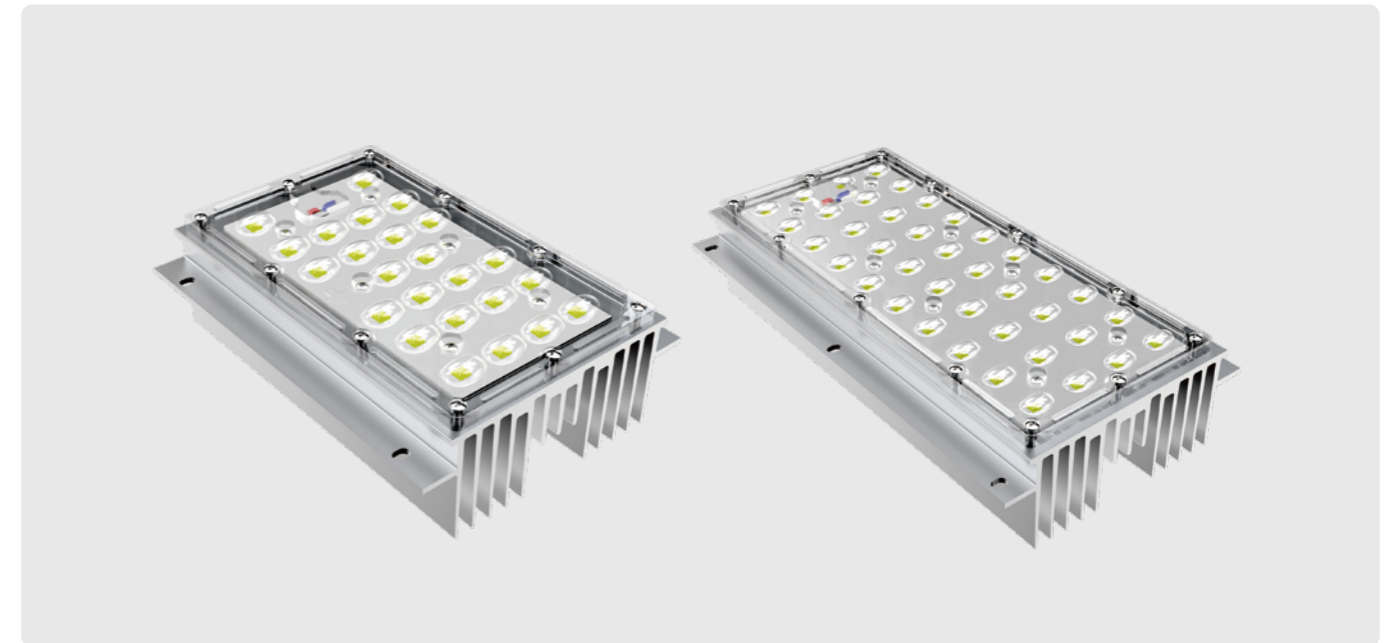
Light source: 3030/5050
 CCT: 3000K/4000K/5000K/5700K
 CRI: >70
 Lifespan: >50000 H
 Material: aluminum alloy 6063-T5
 IP Rate: IP66
 Working temperature: -40°C to 50°C
 Storage temperature: -40°C to 65°C
 Ambient humidity: 10%-90%RH
 Application: road lighting

Specifications

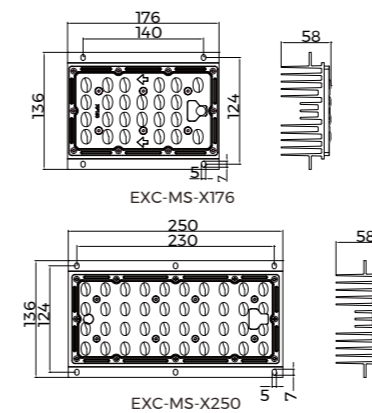
Model	Power(W)	Input Voltage(V)	Light Source	LED QTY(PCS)	Luminous Efficacy (LM/W)
EXC-ML20B	30	48	3030	40	160
EXC-ML20B	40	48	3030	40	150
EXC-ML20H	60	48	3030	64	155
EXC-ML20H	60	48	5050	24	173
EXC-ML30H	60	48	3030	64	155
EXC-ML30H	60	48	5050	24	173
EXC-MLS4H	60	48	3030	64	155
EXC-MLS5H	60	48	5050	30	180

Note: The module luminous efficiency data in the table does not include the power loss, the luminous efficiency error of about 5%-7%.

EXC-MS-X176/X250



Physical Dimensions (Unit: mm)



Basic Parameters

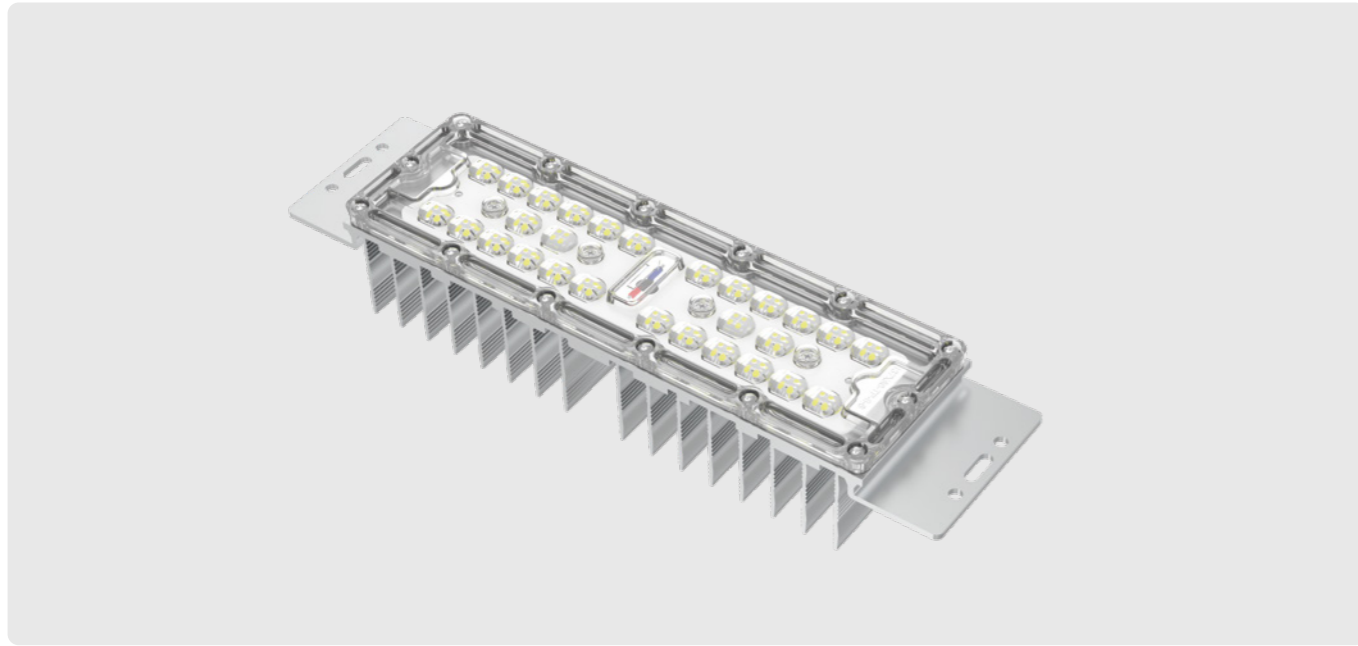
Light source: 5050
 CCT: 3000K/4000K/5000K/5700K
 CRI: >70
 Lifespan: >50000 H
 Material: aluminum alloy 6063-T5
 IP Rate: IP66
 Working temperature: -40°C to 50°C
 Storage temperature: -40°C to 65°C
 Ambient humidity: 10%-90%RH
 Application: road lighting

Specifications

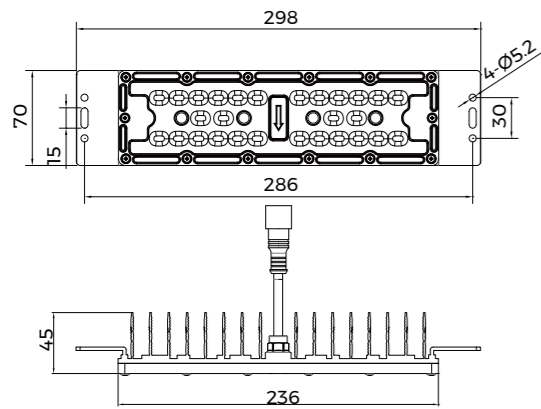
Model	Power (W)	Input Voltage (V)	Light Source	LED QTY(PCS)	Luminous Efficacy (LM/W)
EXC-MS-X176	50	48	5050	24	177
EXC-MS-X176	60	48	5050	24	173
EXC-MS-X250	60	48	5050	40	185
EXC-MS-X250	70	48	5050	40	183
EXC-MS-X250	80	48	5050	40	180

Note: The module luminous efficiency data in the table does not include the power loss, the luminous efficiency error of about 5%-7%.

EXC-MTCT-S1C



Physical Dimensions (Unit: mm)



Basic parameters

Light source: 3030
 CCT: 3000K-5700K range adjustable
 CRI: >70
 Lifespan: >50000 H
 Material: aluminum alloy 6063-T5
 IP Rate: IP66
 Working temperature: -40°C to 50°C
 Storage temperature: -40°C to 65°C
 Ambient humidity: 10%-90%RH
 Application: road lighting, tunnel lighting

Specifications

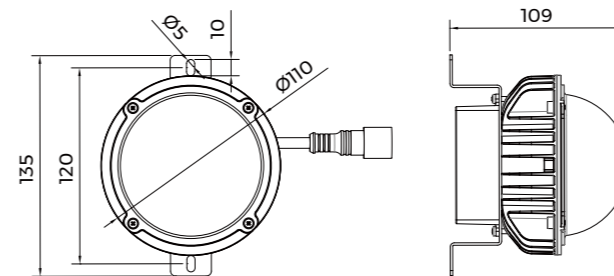
Model	Power(W)	Input Voltage(V)	Light Source	LED QTY(PCS)	CCT(K)
EXC-MTCT-S1C	60	48	3030	56	3000
EXC-MTCT-S1C	60	48	3030	56	5700
EXC-MTCT-S1C	60	48	3030	112	3000-5700

Note: The module luminous efficiency data in the table does not include the power loss, the luminous efficiency error of about 5%-7%.

EXC-MLS9Y-RGBW



Physical Dimensions (Unit: mm)



Basic Parameters

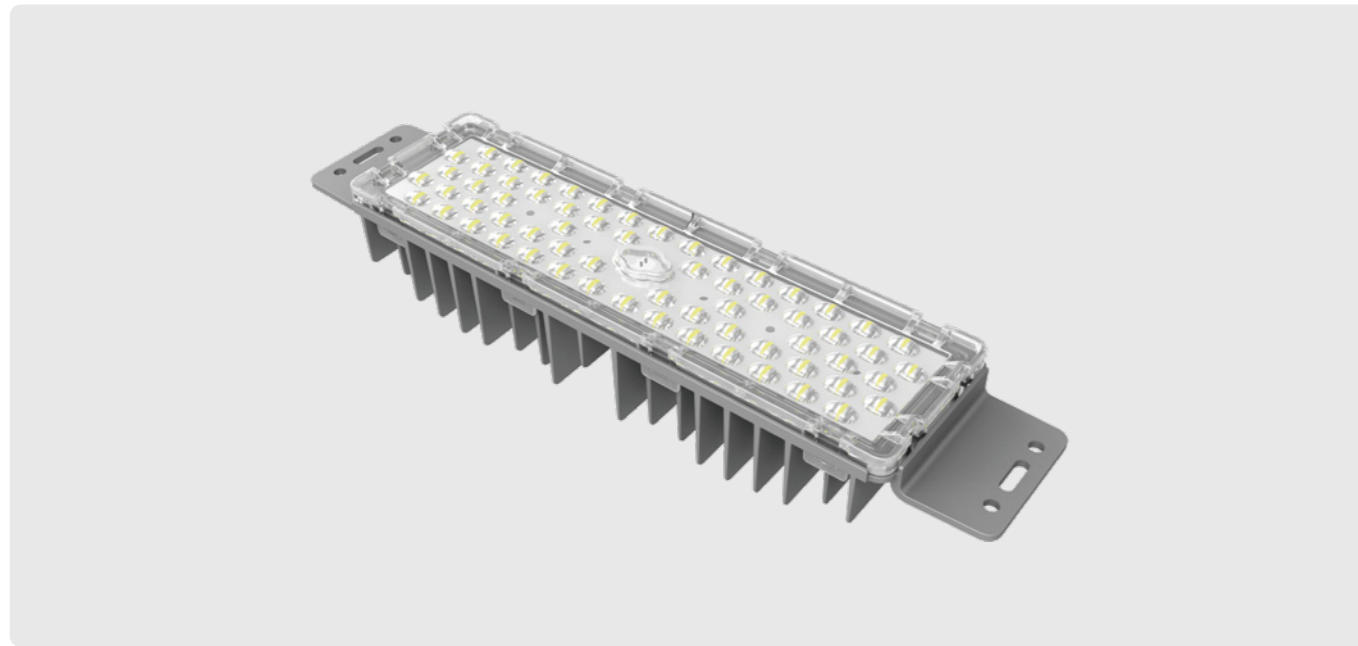
Light source: 3030
 CCT: 2700K-5700K + RGB 3in1 LEDs
 CRI: >70
 Lifespan: >50000 H
 Material: ADC12
 IP Rate: IP65
 Working temperature: -40°C to 50°C
 Storage temperature: -40°C to 65°C
 Ambient humidity: 10%-90%RH
 Application: Yulan lamps, Chinese lamps, garden lamps lighting

Specifications

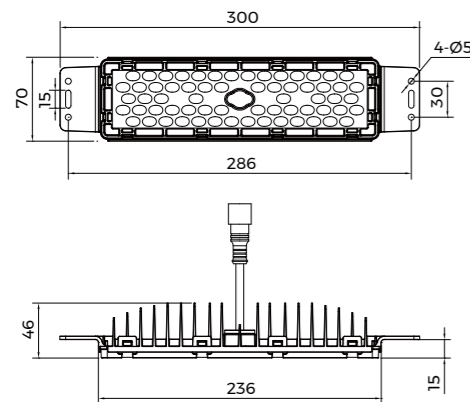
Mode	Power(W)	Input Voltage(V)	Light Source	CCT	LED QTY(PCS)	Luminous Flux (LM)
White Light	24	24	3030	W	24	1920
Red Light	8	24	3030	R	24	515
Green light	8	24	3030	G	24	840
Blue light	8	24	3030	B	24	164

Note: The module luminous efficiency data in the table does not include the power loss, the luminous efficiency error of about 5%-7%.

EXC-ML40G



Physical Dimensions (Unit: mm)



Basic Parameters

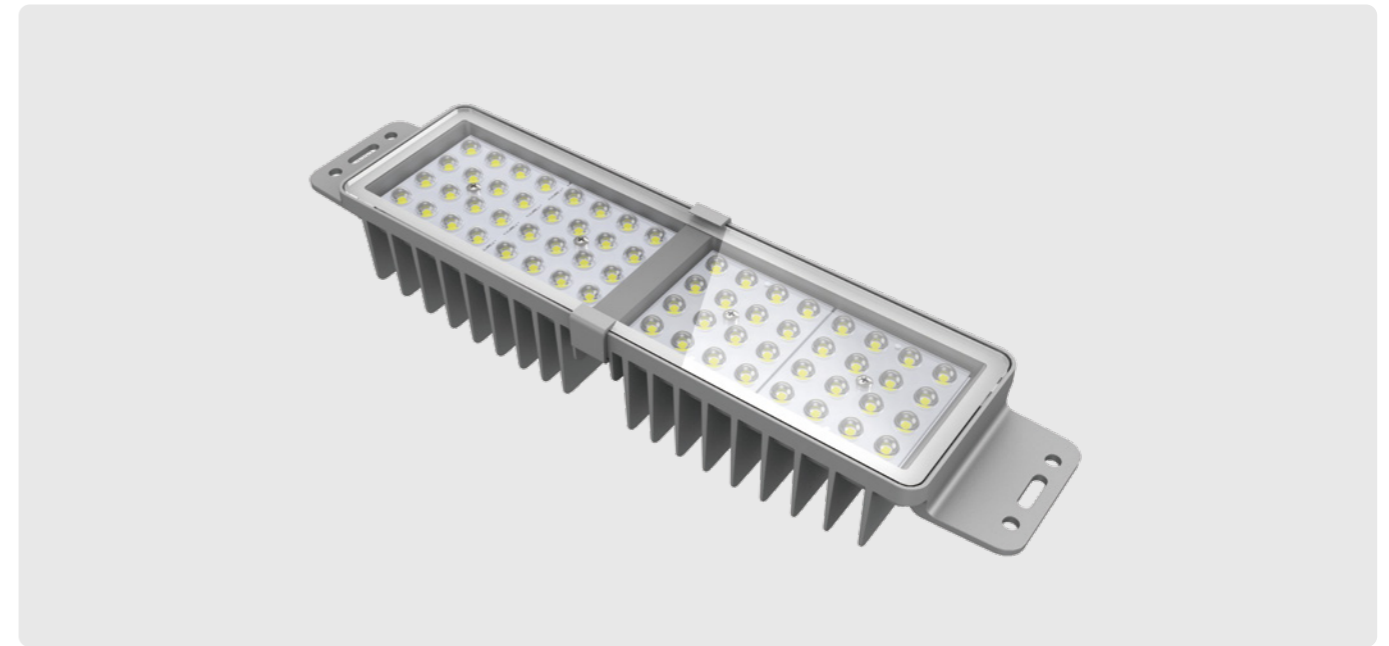
Light source brand: Lumileds / Osram / Tiandian
 Light source: 3030/5050
 CCT: 3000K/4000K/5000K/5700K
 CRI: >70
 Lifespan: >50000 H
 Material: ADC12
 IP Rate: IP66
 Working temperature: -40°C to 50°C
 Storage temperature: -40°C to 65°C
 Ambient humidity: 10%-90%RH
 Application: road lighting category.

Specifications

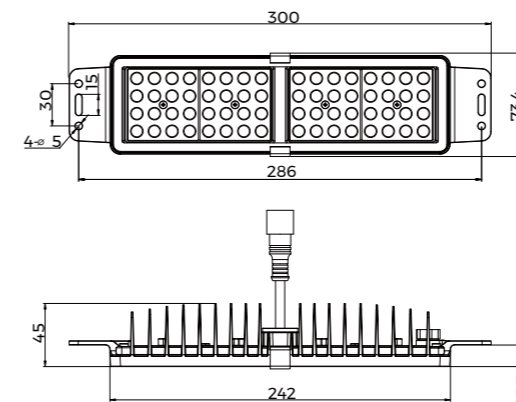
Model	Power(W)	Input Voltage(V)	Light Source	LED QTY(PCS)	Luminous Efficacy (LM/W)
EXC-ML40G	50	48	3030	64	160
EXC-ML40G	60	48	3030	64	155
EXC-ML40G	50	48	5050	24	177
EXC-ML40G	60	48	5050	24	173

Note: The module luminous efficiency data in the table does not include the power loss, the luminous efficiency error of about 5%-7%.

EXC-ML50G



Physical Dimensions (Unit: mm)



Basic Parameters

Light source: 3030/5050
 CCT: 3000K/4000K/5000K/5700K
 CRI: >70
 Lifespan: >50000 H
 Material: aluminum alloy 6063-T5
 IP Rate: IP66
 Working temperature: -40°C to 50°C
 Storage temperature: -40°C to 65°C
 Ambient humidity: 10%-90%RH
 Application: road lighting, tunnel lighting, gymnasium lighting

Specifications

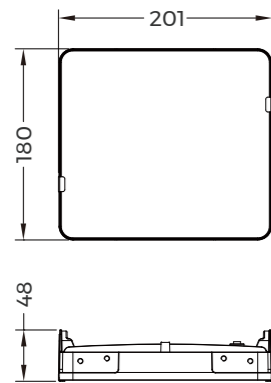
Model	Power(W)	Input Voltage(V)	Light Source	LED QTY(PCS)	Luminous Efficacy (LM/W)	Overall Lighting Efficiency(LM/W)
EXC-ML50G	40	48	3030	40	140	126
EXC-ML50G	50	48	3030	64	150	135
EXC-ML50G	40	48	5050	20	160	144
EXC-ML50G	50	48	5050	24	155	139

Note: The module luminous efficiency data in the table does not include the power loss, the luminous efficiency error of about 5%-7%.

EXC-MYS5C(ANTI-GLARE GARDENLIGHT)



Physical Dimensions (Unit: mm)



Basic Parameters

Light source: 3030/5050
 CCT: 3000K/4000K/5000K/5700K
 CRI: >70
 Lifespan: >50000 H
 Material: ADC12, tempered glass
 IP Rate: IP66
 Size: 201X180X48mm
 Weight: 580g
 Working temperature: -40°C to 50°C
 Storage temperature: -40°C to 65°C
 Ambient humidity: 10%-90%RH
 Application: road lighting, garden lighting

Specifications

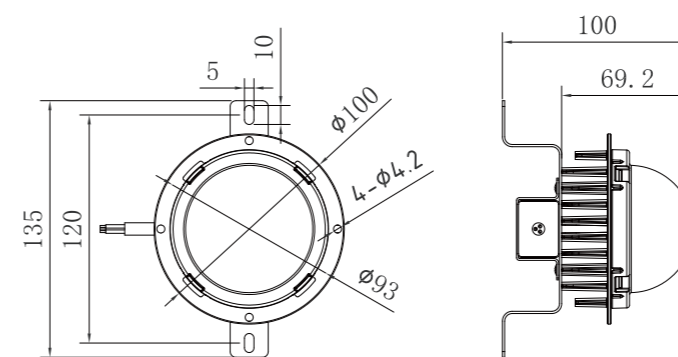
Model	Power(W)	Input Voltage(V)	Light Source	LED QTY (PCS)	Luminous Efficacy (LM/W)
EXC-MYS5C	50	48	3030	56	150
EXC-MYS5C	60	48	3030	64	150
EXC-MYS5C	70	48	3030	72	150
EXC-MYS5C	80	48	3030	96	150
EXC-MYS5C	50	48	5050	24	180
EXC-MYS5C	60	48	5050	28	180
EXC-MYS5C	70	48	5050	32	180
EXC-MYS5C	80	48	5050	48	180

Note: The module luminous efficiency data in the table does not include the power loss, the luminous efficiency error of about 5%-7%.

EXC-MLS7Y



Physical Dimensions (Unit: mm)



Basic Parameters

Light source: 3030
 CCT: 2700K/3000K/4000K/5000K/5700K
 CRI: >70
 Lifespan: >50000 H
 Material: ADC12
 IP Rate: IP65
 Size: Φ 75-120mm
 Working temperature: -40°C to 50°C
 Storage temperature: -40°C to 65°C
 Ambient humidity: 10%-90%RH

Specifications

Model	Power(W)	Input Voltage(V)	Light Source	LED QTY(PCS)	Luminous Efficacy (LM/W)
EXC-MLS7Y	10	30	3030	10	100
EXC-MLS7Y	20	30	3030	20	100
EXC-MLS7Y	30	30	3030	30	100
EXC-MLS7Y	40	30	3030	40	100

Note: The module luminous efficiency data in the table does not include the power loss, the luminous efficiency error of about 5%-7%.



Project Cases

LIBYA - INTEGRATED SOLAR STREET LIGHT PROJECT



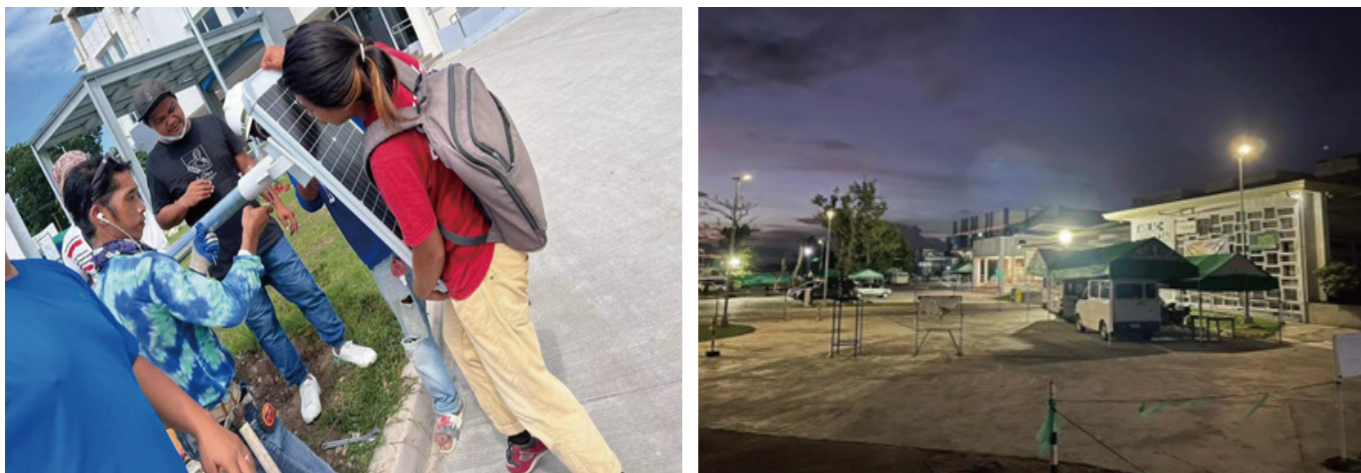
PHILIPPINES - INTEGRATED SOLAR STREET LIGHT PROJECT



VIETNAM - INTEGRATED SOLAR STREET LIGHT PROJECT



PHILIPPINES - INTEGRATED SOLAR STREET LIGHT PROJECT



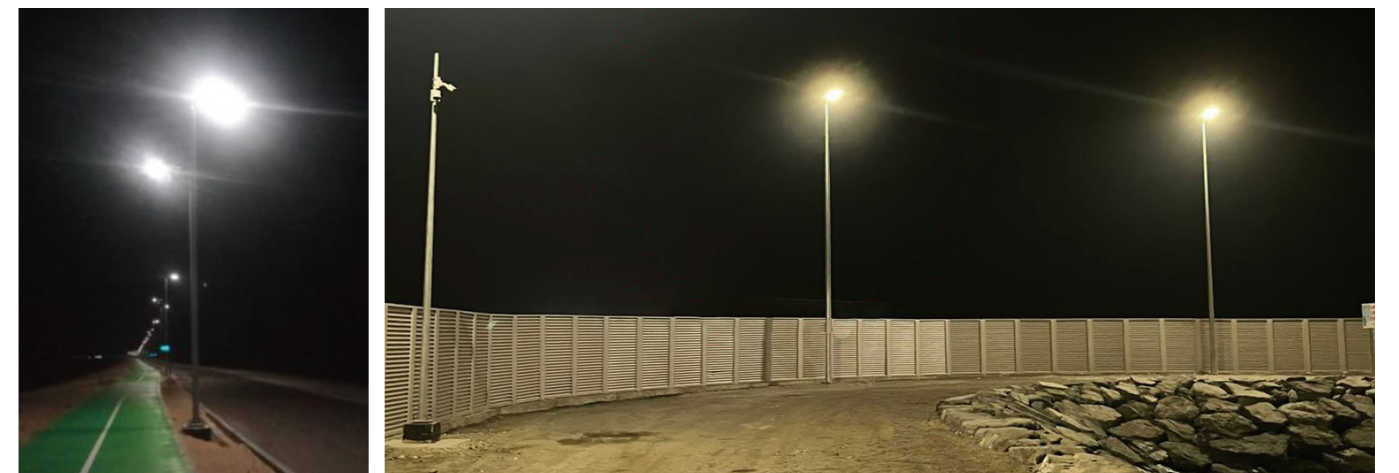
USA - INTEGRATED SOLAR STREET LIGHT PROJECT



VIETNAM - INTEGRATED SOLAR STREET LIGHT PROJECT



UAE - INTEGRATED SOLAR STREET LIGHT PROJECT



EGYPT - SPLIT SOLAR STREET LIGHT PROJECT



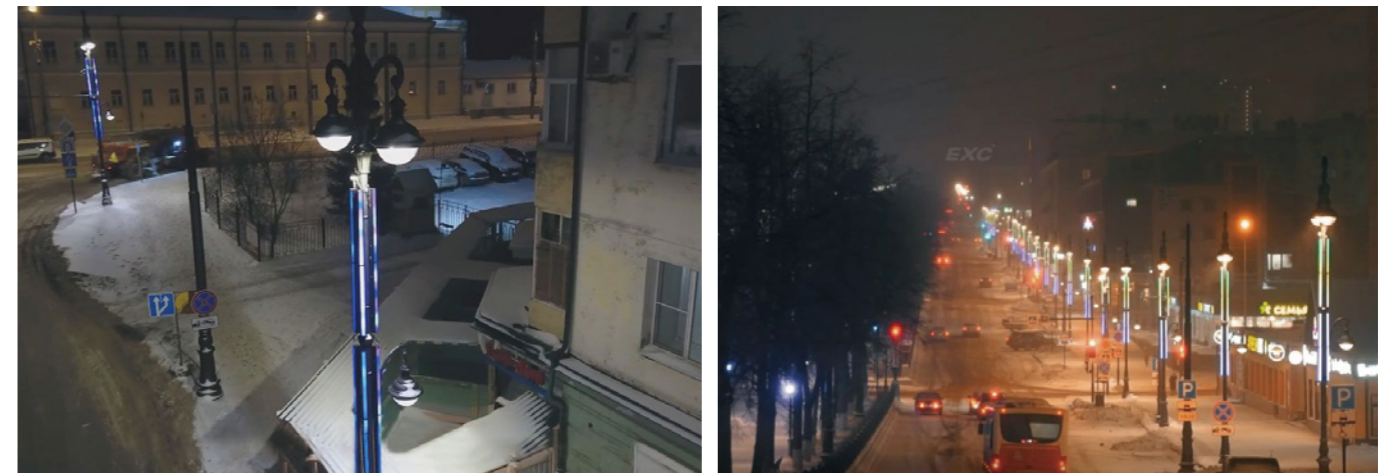
MALDIVES - INTEGRATED SOLAR STREET LIGHT PROJECT



UAE - SPLIT SOLAR STREET LIGHT PROJECT



RUSSIA - LED STREET LIGHT PROJECT



CHINA - LED STREET LIGHT PROJECT



UAE - MUNICIPAL ELECTRICITY LED STREET LIGHT PROJECT

