

HPWINNER



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2026.07

AI-powered Urban Lighting

HPWINNER
Expert in Customized AI-powered Roadway Light



LED ROADWAY LIGHT 1.0 PRODUCT CATALOGUE



HANGZHOU HPWINNER OPTO CORPORATION

www.hpwinner.com

TECHNOLOGY LEADS URBAN LIGHTING



HANGZHOU HPWINNER OPTO CORPORATION

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Industry Park, No.108 Xiangyuan Road, Gongshu
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China

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Tel: +86-571-88061966
Fax: +86-571-89971205

FOLLOW US



ABOUT US

Your expert in Customized AI-powered Roadway Lighting

HANGZHOU HPWINNER OPTO CORPORATION is your expert in urban lighting solutions. Guided by the mission of "**Technology Leads Urban Lighting**," we are dedicated to delivering technology-leading AI-powered urban lighting solutions to customers worldwide.



2011

Founded —15 years of market-proven expertise



50,000 m²

Intelligent production site built on Industry 4.0



200+

National, industry & group standards led or contributed



1,054

Patent Applications Filed



602

Granted Patents Held Worldwide



140

Invention Patent Applications Filed

WHY CHOOSE

HPWINNER?



Globally Proven Reliability

With 15+ years of market validation, HPWINNER has delivered over 10 million LED luminaires to 9,000+ customers across 100+ countries and regions, proving reliable performance in cities, coastal areas, deserts, and other demanding environments.



Standards-led R&D Capability

Led by senior optical and engineering experts, HPWINNER has participated in the development of 200+ standards and built a strong IP portfolio of 1,054 patents, including 73 invention patents. (As of March 2026)



Intelligent Customization

Backed by large-scale intelligent manufacturing and digital platforms, HPWINNER connects project requirements with product engineering to deliver tailored lighting solutions with optimized performance and energy efficiency.



Future-ready Technology

From emergency energy storage roadway lights and IoT roadway lights to AI-powered urban lighting, HPWINNER continues to advance smarter, safer, and more efficient lighting solutions for modern cities.



Choosing HPWINNER means choosing a commitment trusted by over 9,000 customers worldwide:

✔ More Hassle-Free

End-to-end professional support, from project requirements to product delivery.

✔ More Reliable

Proven product quality, strong engineering capability, and long-term field performance.

✔ More Future-Ready

Powered by AI, growing in step with the cities of tomorrow.

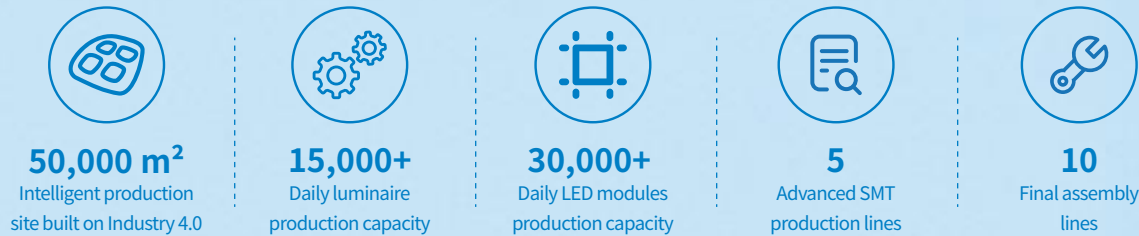
HANGZHOU HPWINNER OPTO Corporation

Lighting the future of cities with innovation, and honoring every trust with professionalism.



Intelligent Manufacturing Base

Officially put into operation in **April 2018**, HPWINNER's intelligent manufacturing base covers approximately **64,000 m²**, with three standardized industrial buildings and auxiliary facilities totaling **50,000 m² of floor area**. The base includes **SMT and LED module workshops**, final assembly workshops, and a warehousing and logistics center, with a current daily production capacity of **30,000 LED modules** and **15,000 complete luminaires**.



SMT Workshop



Final Assembly Workshop

A dedicated Japan production line is in place, managed by specially appointed Japanese lean management experts. Each workstation is equipped with an LCD display for intuitive and convenient operation. Multiple testing devices are also available to conduct various related tests.



Headquarters

In **June 2022**, HPWINNER relocated its headquarters to China (Hangzhou) Intelligence & Information Industry Park, No. 108 Xiangyuan Road, Gongshu District, Hangzhou, Zhejiang. The headquarters includes office areas, multifunctional conference halls, showrooms, laboratories, testing centers, and other facilities.



New Headquarters Building

Under Construction



Executive Leadership

CHEN KAI

Founder / Chairman / President

- National Leading Talent under China's "Ten Thousand Talents Program"
- Deputy to the Zhejiang Provincial People's Congress
- Technology Innovation and Entrepreneurship Talent recognized by the Ministry of Science and Technology
- B.E., Department of Optical Engineering, Zhejiang University, Class of 1997
- M.S. in Optics, Institute of Optics and Electronics, Chinese Academy of Sciences
- Professor-level Senior Engineer
- Industry expert among the earliest in China to propose modular lighting solutions
- Holder of 586 LED lighting patents

HUANG JIANMING

Co-founder / Director / Vice President

- B.E., Department of Optical Engineering, Zhejiang University, Class of 1999
- Ph.D. in Optics, Institute of Optics and Electronics, Chinese Academy of Sciences
- Senior Engineer
- Holder of 583 LED lighting patents
- Principal investigator for multiple national research projects, including the R&D and industrialization of high-power outdoor LED modules
- Key drafter of national and industry standards, including technical requirements for dedicated LED roadway and tunnel lighting modules, specifications, and interfaces

Global Network



9,000+ Clients

Exported to 100+ Countries & Regions



Leading in Shipment Volume & Market Share

Our shipped streetlights could circle the Earth 5 times
(Based on typical pole-to-pole spacing calculations)

Ranked NO.1 in China's exports



Headquarters



China



Global Office Network



Chile



Dominican Republic



Germany



Malaysia



Mexico



Overseas Exclusive Distributors



Algeria



Colombia



Ecuador



Egypt



Honduras



Iraq



Jordan



Mozambique

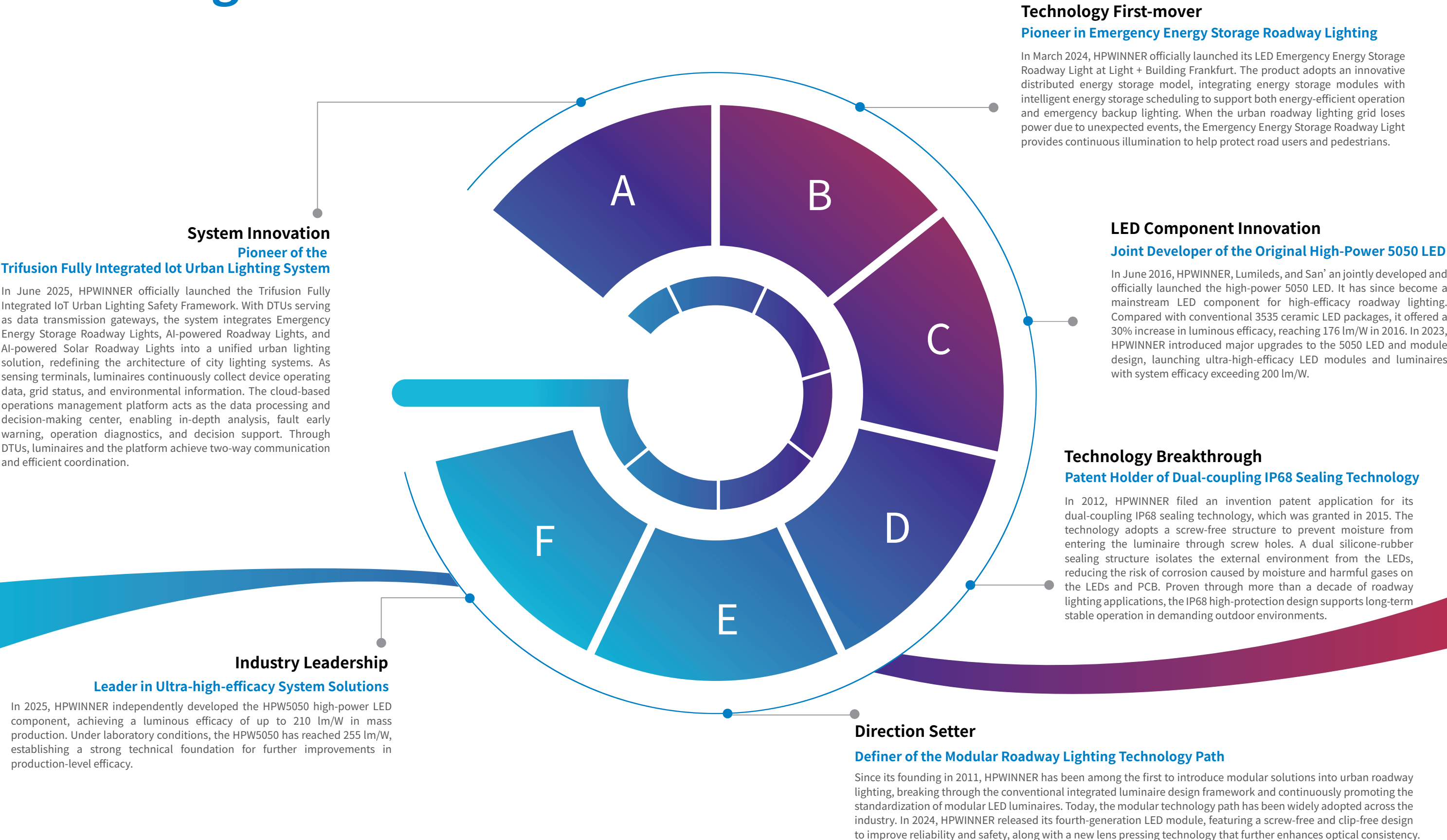


Syria



United Arab Emirates

Core Technology Advantages





Large-scale Production Capacity

Annual production capacity of approximately 2 million high-power outdoor LED luminaires.



Fast Response

From order confirmation to product delivery, efficient coordination enables faster response and delivery.



Engineering-grade Quality

Customized design, standardized production, end-to-end quality control, and continuous improvement ensure long-term product reliability.



Integrated Manufacturing & Delivery

Backed by smart manufacturing, we cover the full process from solution design and production to finished-product delivery and after-sales service.



Intelligent Manufacturing Management

Smart production equipment and self-developed Industry 4.0 software improve workflow efficiency, lean layout, and factory space utilization.



Flexible Customization

Flexible customization based on road type, application scenario, and project requirements, supporting precise adaptation from project-level solutions to single-luminaire configuration.

Manufacturing Advantages

Built to meet different demands of global roadway lighting projects, HPWINNER's manufacturing system integrates quality discipline, flexible configuration, digital coordination, and reliable large-scale delivery.

杭州华普永明光电股份有限公司检测中心
Testing Center of Hangzhou Hpwinner Opto Corporation

Quality Assurance & Laboratory Accreditations

Supported by accredited testing laboratories and a rigorous quality management system, HPWINNER validates product performance, safety, reliability, and compliance throughout the full development and manufacturing process. From optical and electrical testing to environmental and durability validation, every solution is engineered to meet the demands of global roadway lighting projects.

杭州华普永明光电股份有限公司检测中心
Testing Center of Hangzhou Hpwinner Opto Corporation

 中国认可
国际互认
检测
TESTING
CNAS L9536

中国合格评定国家认可委员会
China National Accreditation Service for Conformity Assessment

 NVLAP
TESTING
NVLAP LAB CODE 600175-0

Testing Center of Hangzhou Hpwinner Opto Corporation
Hangzhou
China

is accredited by the National Voluntary Laboratory Accreditation Program
for specific services listed on the Scope of Accreditation for:

Energy Efficient Lighting Products

**PUBLICLY ACCESSIBLE
TESTING LABORATORY**

Testing Center of Hangzhou HPWINNER Opto Corporation

 TÜV Rheinland

德国 TÜV 莱茵集团
制造商现场测试实验室
TÜV Rheinland Group
TMPL
(Testing at Manufacturer's Premises Laboratory)

 HPWINNER 华普永明 DEKRA

Hangzhou Hpwinner Opto Corporation
杭州华普永明光电股份有限公司

**Performance Recognized Testing Lab
性能认可实验室**

Accredited by DEKRA Testing and Certification (Shanghai) Ltd.
德凯质量检测(上海)有限公司授权

 SGS

通标标准技术服务有限公司
认可实验室
SGS-CSTC China QTL

(The manufacture lab has been assessed and accepted for conducting tests with SGS QTL program)

 **CERTIFICATE OF PARTICIPATION**
Issued by
UL CCIC on behalf of
UL

HANGZHOU HPWINNER OPTO CORPORATION
NO.18 KANGZHONG ROAD GONGSHU DISTRICT
HANGZHOU ZHEJIANG
310000 CHINA
has been assessed and found eligible to participate in
UL
WITNESS TEST DATA PROGRAM

Party Site Number: 656372 UL-CCIC Company Limited

 TÜV SÜD

China
TÜV SÜD Cooperated Laboratory
TÜV南德意志集团合作实验室

中国能效标识备案实验室
China Energy Efficiency Label Registered Laboratory

道路和隧道照明用LED灯具
公告号:2020--8142464

杭州华普永明光电股份有限公司检测中心
Testing Center of Hangzhou Hpwinner Opto Corporation

 **CERTIFICATE**

ISO 9001:2015

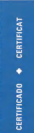
DEKRA Certification GmbH hereby certifies that the organization
HANGZHOU HPWINNER OPTO CORPORATION
No. 18 Kangzhong Road Gongshu District
Hangzhou City, Zhejiang Province, P.R. China
Post Code: 310015

For the scope of certification:
Design, Manufacture and Sales of LED Luminaires, LED Modules

Has established and maintains an effective management system according to the above mentioned standard
The certificate was issued with valid registration: CP 20240604

Valid until:
2026-06-03

DEKRA Certification GmbH, Stuttgart, 2024-05-28

 **CERTIFICATE**

Certificate Registration No.: 12 540 0198 1005 - Order No.: 7402000006

The Certification Body
of TÜV SÜD Management Service GmbH
certifies that the organization

HANGZHOU HPWINNER OPTO CORPORATION
No. 18 Kangzhong Road Gongshu District
Hangzhou City, Zhejiang Province, P.R. China
Post Code: 310015

For the scope:
Design, Manufacturing and Sales of LED Luminaires and LED Modules

Has established and maintains an effective management system according to the requirements of the standard.

Has established and applied an Energy Management System.

Has established and maintains an effective management system according to the above mentioned standard
The certificate was issued with valid registration: EN ISO 9001:2015

Valid until:
2026-06-03

DEKRA Certification GmbH, Stuttgart, 2024-05-28

 **CERTIFICATE**

ISO 14001:2015

DEKRA Certification GmbH hereby certifies that the organization
HANGZHOU HPWINNER OPTO CORPORATION
No. 18 Kangzhong Road Gongshu District
Hangzhou City, Zhejiang Province, P.R. China
Post Code: 310015

For the scope of certification:
Design, Manufacture and Sales of LED Luminaires, LED Modules

Has established and maintains an effective management system according to the above mentioned standard
The certificate was issued with valid registration: EN ISO 14001:2015

Valid until:
2026-06-03

DEKRA Certification GmbH, Stuttgart, 2024-05-28

 **OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATE**

Registration No.: 0012000021000001

HANGZHOU HPWINNER OPTO CORPORATION

is in conformity with
OHSAS 18001:2007 standard (Environmental health and safety management
systems—Requirements with guidance for use)
This certificate is valid for the following scope:
Design, manufacture, sales and related management
activities of LED luminaires and LED modules

The certificate holder has established an effective management system according to the above mentioned standard
The certificate was issued with valid registration: OHSAS 18001:2007

Valid until:
2026-06-03

DEKRA Certification GmbH, Stuttgart, 2024-05-28

Application Scenarios

Lighting goes beyond illumination-it shapes how environments function, supports safety and continuity, and underpins the spaces people rely on every day.

At HPWINNER, we design lighting solutions that deliver clarity, consistency and dependable performance across diverse environments, supporting every application with confidence.



Urban Roadway & Municipal



Tunnel & Underpass



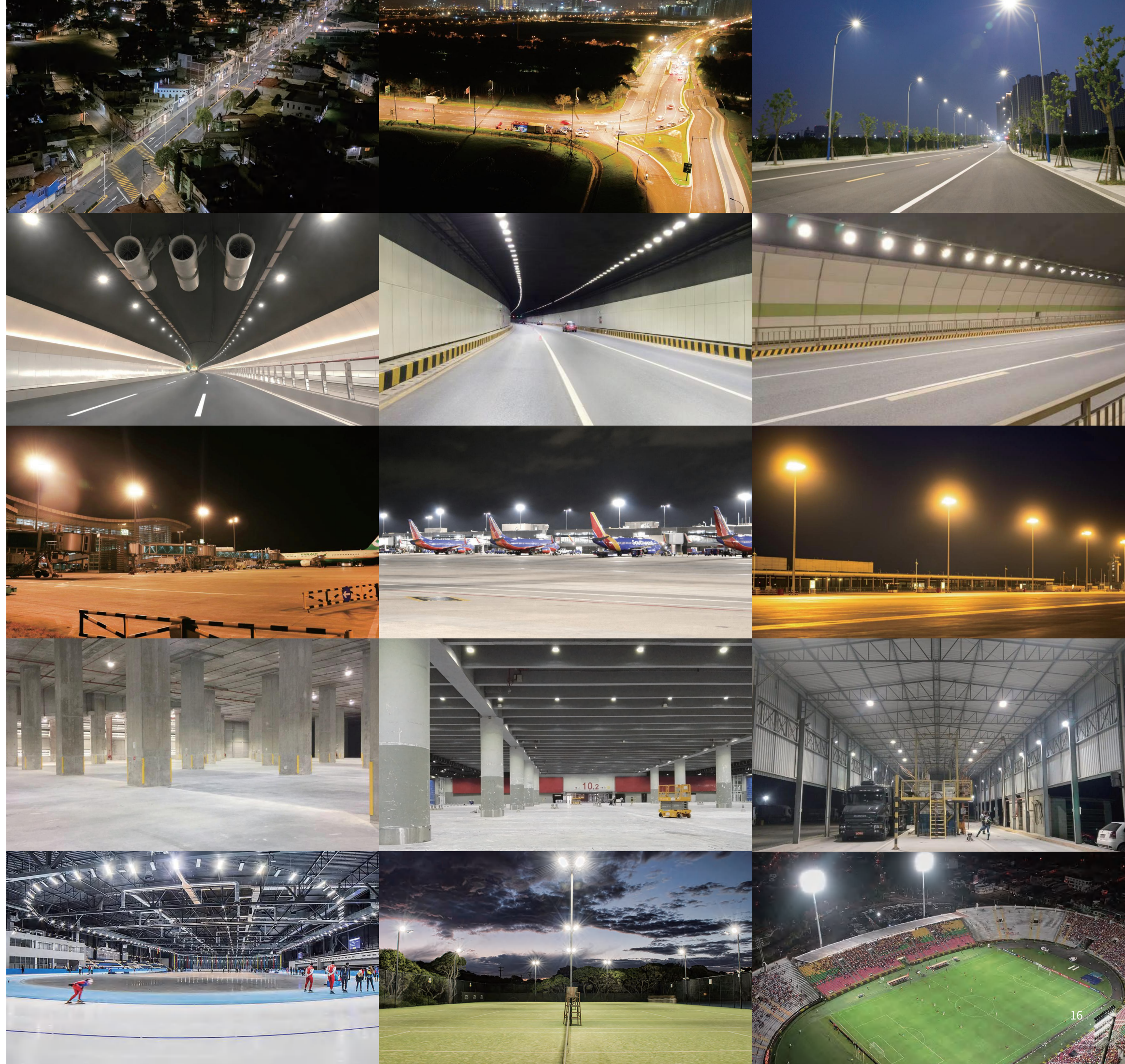
Ports, Airports & Transport Hub



Industrial Park & Logistics Area



Public Space & Large Venue



Product Portfolio

MODULE



M66A-VB/CB
→ P19



M66A-VC/CC
→ P21

ROADWAY LIGHT



T78
→ P23



T88
→ P25



T1MAX
→ P27



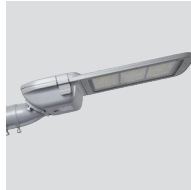
T1QMAX
→ P29



T2QMAX
→ P31



T29
→ P33



T65
→ P35



T67
→ P37



T68
→ P39



T69
→ P41



T11A
→ P43



T19E
→ P45

GARDEN LIGHT



GL1A
→ P47



GL2A
→ P49

TUNNEL LIGHT



TS26
→ P51



TS2C
→ P53



TS29B
→ P55

HIGH BAY LIGHT



TF2C
→ P57



TF69A
→ P59

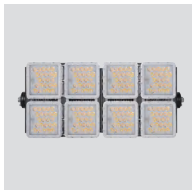
FLOOD LIGHT



FL2C
→ P61



FL21
→ P63



FL40
→ P65



FL46
→ P67

M66A-VB/CB

MODULE



M66A-VB



M66A-CB

CB c US RoHS

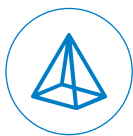
KEY BENEFITS



Standardized Light Engine
Built for roadway, area, and outdoor lighting platforms.



IP68 Light Engine
Patented sealed LED module supports dependable long-term operation.



Flexible Optics
Multiple distributions adapt to diverse project requirements.



Modular Platform
Standardized modular design supports flexible product integration.



Application Versatility
Suitable for roadway, area, and outdoor lighting solutions.



Easy Configuration
Modular structure simplifies specification and project matching.

TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Power	40 - 60 W
LED Quantity	34 PCS
Input Voltage	50 - 64 Vdc
Typical Efficacy	200 lm/W @ Input Current 700 mA 198 lm/W @ Input Current 860 mA 193 lm/W @ Input Current 1000 mA
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra≥70
LEDs Type	5050
Light Distribution	See light distribution options on appendix I
IP Rating	IP68
IK Rating	IK09
Operating Environment	-40°C~+50°C, 10%~90% RH
Heat Sink Material	Die-cast Aluminum ADC-12



Scan for full Specification

APPLICATION SCENARIOS



M66A-VC/CC

MODULE



M66A-VC



M66A-CC

CB CE RoHS IP68 IK09 Ra ≥70 5 YEAR WARRANTY

KEY BENEFITS

- Standardized Light Engine**
Built for roadway, area, and outdoor lighting platforms.
- IP68 Light Engine**
Patented sealed LED module supports dependable long-term operation.
- Flexible Optics**
Multiple distributions adapt to diverse project requirements.
- Modular Platform**
Standardized modular design supports flexible product integration.
- Application Versatility**
Suitable for roadway, area, and outdoor lighting solutions.
- Easy Configuration**
Modular structure simplifies specification and project matching.

TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Power	40 - 60 W
LED Quantity	90 PCS
Input Voltage	48 - 61 Vdc
Typical Efficacy	160 lm/W @ Input Current 700 mA 155 lm/W @ Input Current 860 mA 150 lm/W @ Input Current 1050 mA
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra ≥ 70
LEDs Type	3030
Light Distribution	See light distribution options on appendix I
IP Rating	IP68
IK Rating	IK09
Operating Environment	-40°C~+50°C, 10%~90% RH
Heat Sink Material	Die-cast Aluminum ADC-12



Scan for full Specification

APPLICATION SCENARIOS



- Roadway Lighting
- Area Lighting
- Tunnel Lighting
- Flood Lighting

T78

ROADWAY LIGHT

- WHITE
- BLACK
- GRAY



CE CB RoHS IK09 IP66 Ra ≥70

KEY BENEFITS

- ZHAGA Book 15 Optics Platform**
ZHAGA Book 15 lenses support versatile optical distributions.
- Replaceable Light Engine**
Replaceable light engine improves lifecycle service efficiency.
- Tool-less Gear Compartment Access**
Independent IP66 gear compartment opens by hand for easier maintenance.
- Tempered Glass Optical Cover**
Tempered glass improves optical-compartment protection and UV resistance.
- Streamlined Self-cleaning Design**
Smooth streamlined form helps reduce dust accumulation.
- Adjustable Mounting**
Post-top and side-entry mounting support ±15° tilt adjustment.

TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power	20 - 240 W
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra≥70
LEDs Type	5050
Typical Luminous Efficacy	150 - 187 lm/W
Light Distribution	See light distribution options on appendix I
IP Rating	Luminaire: IP66
IK Rating	IK09
Operating Environment	-40°C~+50°C, 10%-90%RH
Main Housing	Die-cast Aluminum ADC-12
Installation Diameter	Ø 42 - 60 mm
Electrical Protection Class	Class I by default, Class II optional



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APPLICATION SCENARIOS



Roadway Lighting

Overpass Lighting

Residential Area Lighting

Area Lighting

T88

ROADWAY LIGHT

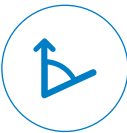
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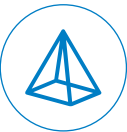


CE CB RoHS    

KEY BENEFITS

- 

IP68 Light Engine
Patented sealed LED module supports dependable long-term operation.
- 

Adjustable Mounting
Post-top and side-entry mounting support $\pm 15^\circ$ tilt adjustment.
- 

Roadway Optics
Dedicated distributions support efficient and controlled roadway lighting.
- 

Tool-less Access
Quick gear-compartment access improves maintenance efficiency.
- 

Full-structure Thermal Design
Integrated heat dissipation supports stable long-term operation.
- 

NEMA Control Ready
Optional NEMA receptacle for expanding various control functions to enhance lighting quality.

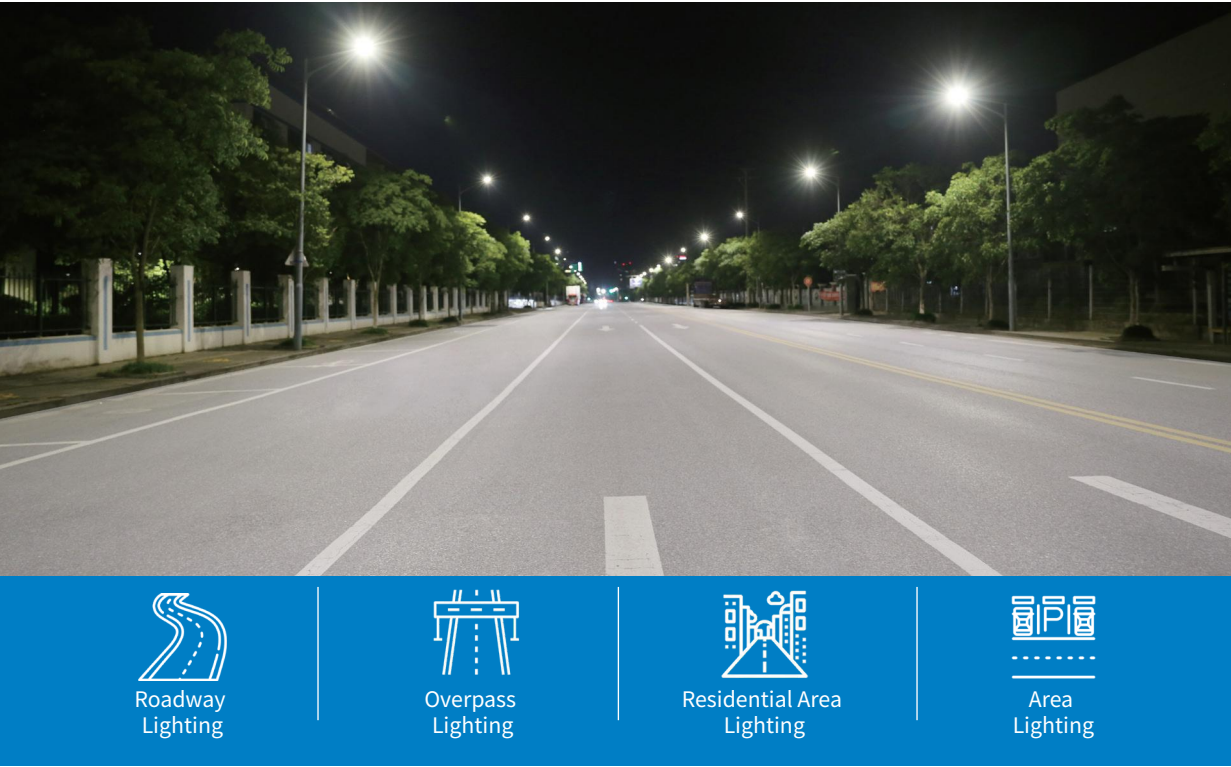
TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power	20 - 200 W
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra $\geq$ 70
LEDs Type	5050
Typical Luminous Efficacy	173 - 216 lm/W
Light Distribution	See light distribution options on appendix I
IP Rating	LED Light Engine: IP68 Luminaire: IP66
IK Rating	IK08
Operating Environment	-40°C~+50°C, 10%~90% RH
Main Housing	Die-cast Aluminum ADC-12
Installation Diameter	Ø 42 - 60 mm



Scan for full Specification

APPLICATION SCENARIOS



T1MAX

ROADWAY LIGHT

- WHITE
- GRAY



CE CB RoHS IK08 IP66 Ra ≥70 5 YEAR WARRANTY

KEY BENEFITS

- Residential Road Applications**
Designed for residential roads, alleys, and lower-wattage use.
- IP68 Light Engine**
Patented sealed LED module supports dependable long-term operation.
- Comfort Optics**
Purpose-designed distributions suit smaller road environments.
- Robust Die-cast Housing**
Die-cast aluminum body supports durable field performance.
- Full-structure Thermal Design**
Integrated heat dissipation supports stable long-term operation.
- Sensor Ready**
Optional sensor supports energy-saving lighting control.

TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power	20 - 40 W
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra≥70
LEDs Type	5050
Typical Luminous Efficacy	180 - 204 lm/W
Light Distribution	See light distribution options on appendix I
IP Rating	LED Light Engine: IP68 Luminaire: IP66
IK Rating	IK08
Operating Environment	-40°C~+50°C, 10%~90% RH
Main Housing	Die-cast Aluminum ADC-12
Installation Diameter	Ø 42 - 60 mm
Electrical Protection Class	Class II by default, Class I optional



Scan for full Specification

APPLICATION SCENARIOS



T1QMAX

ROADWAY LIGHT

- ☐ WHITE
- ☐ GRAY



CE CB RoHS

IP66

Ra ≥70

5 YEAR WARRANTY

KEY BENEFITS

- Value-focused Roadway Design**
Compact solution for secondary and residential roads.
- IP68 Light Engine**
Patented sealed LED module supports dependable long-term operation.
- Roadway Optics**
Dedicated distributions support efficient and controlled roadway lighting.
- Robust Die-cast Housing**
Die-cast aluminum body supports durable field performance.
- Full-structure Thermal Design**
Integrated heat dissipation supports stable long-term operation.
- Sensor Ready**
Optional sensor supports energy-saving lighting control.

TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power	40 - 60 W
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra≥70
LEDs Type	5050
Typical Luminous Efficacy	173 - 209 lm/W
Light Distribution	See light distribution options on appendix I
IP Rating	LED Light Engine: IP68 Luminaire: IP66
IK Rating	IK08
Operating Environment	-40°C~+50°C, 10%~90% RH
Main Housing	Die-cast Aluminum ADC-12
Installation Diameter	Ø 42 - 60 mm
Electrical Protection Class	Class II by default, Class I optional



Scan for full Specification

APPLICATION SCENARIOS



Roadway Lighting

Overpass Lighting

Residential Area Lighting

Area Lighting

T2QMAX

ROADWAY LIGHT

- WHITE
- GRAY



CE CB RoHS IP66 Ra ≥70 5 YEAR WARRANTY

KEY BENEFITS

- Mainstream Urban Roads**
Designed for mainstream urban road lighting applications.
- IP68 Light Engine**
Patented sealed LED module supports dependable long-term operation.
- Broad Road Coverage**
Optics support broader roadway coverage and illumination needs.
- Robust Die-cast Housing**
Die-cast aluminum body supports durable field performance.
- Full-structure Thermal Design**
Integrated heat dissipation supports stable long-term operation.
- Sensor Ready**
Optional sensor supports energy-saving lighting control.

TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power	80 - 100 W
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra≥70
LEDs Type	5050
Typical Luminous Efficacy	185 - 209 lm/W
Light Distribution	See light distribution options on appendix I
IP Rating	LED Light Engine: IP68 Luminaire: IP66
IK Rating	IK08
Operating Environment	-40°C~+50°C, 10%~90% RH
Main Housing	Die-cast Aluminum ADC-12
Installation Diameter	Ø 42 - 60 mm
Electrical Protection Class	Class II by default, Class I optional



Scan for full Specification

APPLICATION SCENARIOS



Roadway Lighting

Overpass Lighting

Residential Area Lighting

Area Lighting

T29

ROADWAY LIGHT

- WHITE
- BLACK
- GRAY



CE CB RoHS IP66 Ra ≥70 5 YEAR WARRANTY

KEY BENEFITS

- Low-wattage Roadway Solution**
Designed for low-wattage roadway, street, and municipal lighting applications.
- IP68 Light Engine**
Patented sealed LED module supports dependable long-term operation.
- IP66 Gear Compartment**
Protected electrical compartment supports reliable outdoor roadway use.
- Robust Die-cast Housing**
Die-cast aluminum body supports durable field performance.
- Roadway Optics**
Dedicated distributions support efficient and controlled roadway lighting.
- NEMA Control Ready**
Optional NEMA receptacle for expanding various control functions to enhance lighting quality.

TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power	20 - 120 W
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra ≥ 70
LEDs Type	5050
Typical Luminous Efficacy	130 - 193 lm/W
Light Distribution	See light distribution options on appendix I
IP Rating	LED Light Engine: IP68 Luminaire: IP66
IK Rating	≥ IK08
Operating Environment	-40°C~+50°C, 10%~90% RH
Main Housing	Die-cast Aluminum ADC-12
Installation Diameter	Ø 57 - 63 mm / Ø 55 - 61 mm



Scan for full Specification

APPLICATION SCENARIOS



T65

ROADWAY LIGHT

- WHITE
- BLACK
- GRAY



CE CB RoHS IP66 Ra ≥70

KEY BENEFITS

- Clean Product Form**
Integrated design balances appearance and installation flexibility.
- IP68 Light Engine**
Patented sealed LED module supports dependable long-term operation.
- Tool-less Access**
Quick gear-compartment access improves maintenance efficiency.
- Clean Fin-less Design**
Smooth housing helps reduce dust buildup and supports a clean product appearance.
- Tempered Glass Cover**
Glass surface enhances protection and cleaning convenience.
- Flexible Installation**
Post-top and side-entry mounting support ±15° tilt adjustment.

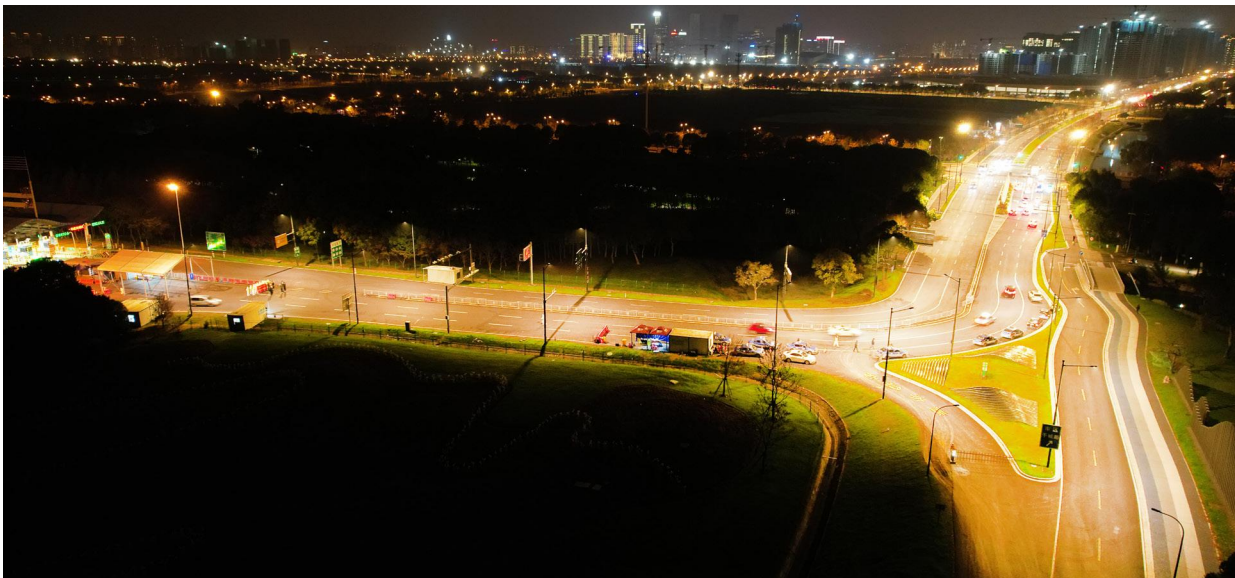
TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power	40 – 400 W
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra≥70
LEDs Type	5050
Typical Luminous Efficacy	146 – 173 lm/W
Light Distribution	See light distribution options on appendix I
IP Rating	LED Light Engine: IP68 Luminaire: IP66
Operating Environment	-40°C~+50°C, 10%~90% RH
Main Housing	Die-cast Aluminum ADC-12
Installation Diameter	Ø 42 - 60 mm/ Ø 66 - 76 mm



Scan for full Specification

APPLICATION SCENARIOS



- Roadway Lighting
- Overpass Lighting
- Residential Area Lighting
- Area Lighting

T67

ROADWAY LIGHT

- WHITE
- BLACK
- GRAY



CE CB RoHS IP66 Ra ≥70 5 YEAR WARRANTY

KEY BENEFITS

- Serviceable Modular Design**
Designed for serviceability and long-term outdoor reliability.
- IP68 Light Engine**
Patented sealed LED module supports dependable long-term operation.
- Tool-less Access**
Quick gear-compartment access improves maintenance efficiency.
- Tempered Glass Cover**
Glass surface enhances protection and cleaning convenience.
- Independent Gear Compartment**
Independent gear compartment improves maintenance convenience.
- Roadway Optics**
Dedicated distributions support efficient and controlled roadway lighting.

TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power	40 - 240W
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra≥70
LEDs Type	5050
Typical Luminous Efficacy	146 - 173 lm/W
Light Distribution	See light distribution options on appendix I
IP Rating	LED Light Engine: IP68 Luminaire: IP66
Operating Environment	-40°C~+50°C, 10%~90% RH
Main Housing	Die-cast Aluminum ADC-12
Installation Diameter	Ø 42 - 60 mm



Scan for full Specification

APPLICATION SCENARIOS



T68

ROADWAY LIGHT

- WHITE
- BLACK
- GRAY



CE CB RoHS IP66 Ra ≥70 5 YEAR WARRANTY

KEY BENEFITS

- Adaptable Integrated Design**
Integrated structure supports adaptable roadway configurations.
- IP68 Light Engine**
Patented sealed LED module supports dependable long-term operation.
- Tool-less Access**
Quick gear-compartment access improves maintenance efficiency.
- Flexible Installation**
Post-top and side-entry mounting support ±15° tilt adjustment.
- IP66 Gear Compartment**
Protected electrical compartment supports reliable field operation.
- NEMA Control Ready**
Optional NEMA receptacle for expanding various control functions to enhance lighting quality.

TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power	40 – 400 W
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra≥70
LEDs Type	5050
Typical Luminous Efficacy	160 – 190 lm/W
Light Distribution	See light distribution options on appendix I
IP Rating	LED Light Engine: IP68 Luminaire: IP66
Operating Environment	-40°C~+50°C, 10%~90% RH
Main Housing	Die-cast Aluminum ADC-12
Installation Diameter	Ø 42 - 60 mm/ Ø 66 - 76 mm



Scan for full Specification

APPLICATION SCENARIOS



T69

ROADWAY LIGHT

- WHITE
- BLACK
- GRAY



CE CB RoHS IP66 Ra ≥70 5 YEAR WARRANTY

KEY BENEFITS

- Balanced Roadway Design**
Combines performance, serviceability, and clean appearance.
- IP68 Light Engine**
Patented sealed LED module supports dependable long-term operation.
- Tool-less Access**
Quick gear-compartment access improves maintenance efficiency.
- Roadway Optics**
Dedicated distributions support efficient and controlled roadway lighting.
- IP66 Gear Compartment**
Protected electrical compartment supports reliable field operation.
- Clean Fin-less Design**
Smooth housing helps reduce dust buildup and supports a clean product appearance.

TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power	40 – 240 W
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra≥70
LEDs Type	5050
Typical Luminous Efficacy	160 - 190 lm/W
Light Distribution	See light distribution options on appendix I
IP Rating	LED Light Engine: IP68 Luminaire: IP66
Operating Environment	-40°C~+50°C, 10%~90% RH
Main Housing	Die-cast Aluminum ADC-12
Installation Diameter	Ø 42 - 60 mm



Scan for full Specification

APPLICATION SCENARIOS



T11A

ROADWAY LIGHT

- WHITE
- BLACK
- GRAY



CE CB RoHS IP67 Ra ≥70 5 YEAR WARRANTY

KEY BENEFITS

- Mainstream Urban Roads**
Designed for mainstream urban road lighting applications.
- Roadway Optics**
Dedicated distributions support efficient and controlled roadway lighting.
- Honeycomb Thermal Design**
Full-structure heat dissipation with honeycomb design supports stable high-power operation.

- IP68 Light Engine**
Patented sealed LED module supports dependable long-term operation.
- Replaceable Light Engine**
Replaceable module improves lifecycle service efficiency.
- Compact Structure**
Compact body supports clean integration in urban projects.

TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power	40 - 420 W
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra ≥ 70
LEDs Type	5050
Typical Luminous Efficacy	167 - 204 lm/W
Light Distribution	See light distribution options of M66A on appendix I
IP Rating	LED Light Engine: IP68 Luminaire: IP67
Operating Environment	-40°C~+50°C, 10%-90%RH
Main Housing	Die-cast Aluminum ADC-12
Installation Diameter	Ø 42 - 60 mm



Scan for full Specification

APPLICATION SCENARIOS



T19E

ROADWAY LIGHT

- WHITE
- BLACK
- GRAY



CE CB RoHS IK09 IP66 Ra ≥70 DLC LISTED PREMIUM C-UL US LISTED 5 YEAR WARRANTY

KEY BENEFITS

- Large-scale Projects**
Modular platform designed for large-scale roadway projects.
- IP68 Light Engine**
Patented sealed LED module supports dependable long-term operation.
- Tool-less Access**
Quick gear-compartment access improves maintenance efficiency.
- Replaceable Light Engine**
Replaceable module improves lifecycle service efficiency.
- Flexible Installation**
Post-top and side-entry mounting support ±15° tilt adjustment.
- NEMA Control Ready**
Optional NEMA receptacle for expanding various control functions to enhance lighting quality.

TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power	40 - 420 W
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra≥70
LEDs Type	5050
Typical Luminous Efficacy	167 - 204 lm/W
Light Distribution	See light distribution options of M66A on appendix I
IP Rating	LED Light Engine: IP68 Luminaire: IP66
IK Rating	IK09
Operating Environment	-40°C~+50°C, 10%-90%RH
Main Housing	Die-cast Aluminum ADC-12
Installation Diameter	Ø 42 - 60 mm/ Ø 66 - 76 mm



Scan for full Specification

APPLICATION SCENARIOS



GL1A

GARDEN LIGHT

- WHITE
- BLACK
- GRAY



CE CB RoHS PS E IP67 Ra ≥70 5 YEAR WARRANTY

KEY BENEFITS

- Modular Garden Light**
Designed for pathways, parks, and public spaces.
- IP68 Light Engine**
Patented sealed LED module supports dependable long-term operation.
- Plug-in Architecture**
Plug-in modules simplify maintenance and component replacement.
- Pedestrian Comfort**
Uniform illumination supports pedestrian-oriented public spaces.
- All-metal Construction**
Integrated metal body supports reliable field performance.
- Full-structure Thermal Design**
Integrated heat dissipation supports stable long-term operation.

TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power	30 - 60 W
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra≥70
LEDs Type	5050
Typical Luminous Efficacy	167 - 190 lm/W
Light Distribution	See light distribution options of M66A on appendix I
IP Rating	LED Light Engine: IP68 Luminaire: IP67
Operating Environment	-40°C~+50°C, 10%~90%RH
Main Housing	Die-cast Aluminum ADC-12
Installation Diameter	Ø 60 - 70 mm standard / Ø 80 - 90 mm optional



Scan for full Specification

APPLICATION SCENARIOS



GL2A

GARDEN LIGHT

- WHITE
- BLACK
- GRAY



CE CB RoHS PS E UL LISTED IP67 Ra ≥70 5 YEAR WARRANTY

KEY BENEFITS

- Higher-output Garden Light**
Suitable for parks, plazas, and larger public spaces.
- IP68 Light Engine**
Patented sealed LED module supports dependable long-term operation.
- Plug-in Architecture**
Plug-in modules simplify maintenance and component replacement.
- Elegant Appearance**
European-inspired design enhances public-space visual quality.
- Safety Structure**
Anti-tipping design and safety chain improve reliability.
- Full-structure Thermal Design**
Integrated heat dissipation supports stable long-term operation.

TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power	30 - 120 W
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra≥70
LEDs Type	5050
Typical Luminous Efficacy	167 - 204 lm/W
Light Distribution	See light distribution options of M66A on appendix I
IP Rating	LED Light Engine: IP68 Luminaire: IP67
Operating Environment	-40°C~+45°C, 10%~90%RH
Main Housing	Die-cast Aluminum ADC-12
Installation Diameter	Ø 60 ± 3 mm



Scan for full Specification

APPLICATION SCENARIOS



Parks Lighting

Walkways Lighting

Campus & Industrial Parks Lighting

Hotels & Resorts Lighting

TS26

TUNNEL LIGHT

- SILVER BODY
- DEEP GRAY BRACKET



CE RoHS

IP65

Ra ≥70

5 YEAR WARRANTY

KEY BENEFITS

- Linear Tunnel Design**
Developed for continuous-row tunnel lighting applications.
- Aluminum Extrusion Body**
Extruded aluminum body improves strength and heat dissipation.
- Diffuse Anti-glare Optics**
Soft distribution reduces glare and improves visual comfort.
- Adjustable Brackets**
L-shaped brackets improve installation and aiming flexibility.
- Tempered Glass Cover**
Glass surface enhances protection and cleaning convenience.
- Customizable Power**
Power options support different tunnel project requirements.

TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power	20 – 120 W
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra≥70
LEDs Type	3030
Typical Luminous Efficacy	120–123 lm/W
Light Distribution	Lambertian
IP Rating	LED Light Engine: IP65 Luminaire: IP65
Operating Environment	-40°C~+50°C, 10%~90% RH
Main Housing	Extruded Aluminum



Scan for full Specification

APPLICATION SCENARIOS

Road Tunnels Lighting

Mountain Tunnels Lighting

Underground Passages Lighting

Bridge Underpasses Lighting

TS2C

TUNNEL LIGHT

- WHITE
- BLACK
- GRAY



CE RoHS PS E IP67 Ra ≥70 5 YEAR WARRANTY

KEY BENEFITS

- Honeycomb Thermal Design**
Full-structure heat dissipation with honeycomb design supports stable high-power operation.
- IP68 Light Engine**
Patented sealed LED module supports dependable long-term operation.
- Adjustable Bracket Angles**
Bracket rotation angles support flexible installation for different tunnel layouts.
- Tool-less Replacement**
Light-engine replacement reduces maintenance time and cost.
- Plug-in Architecture**
Plug-in modules simplify maintenance and component replacement.
- Customizable Power**
Power options support different tunnel project requirements.

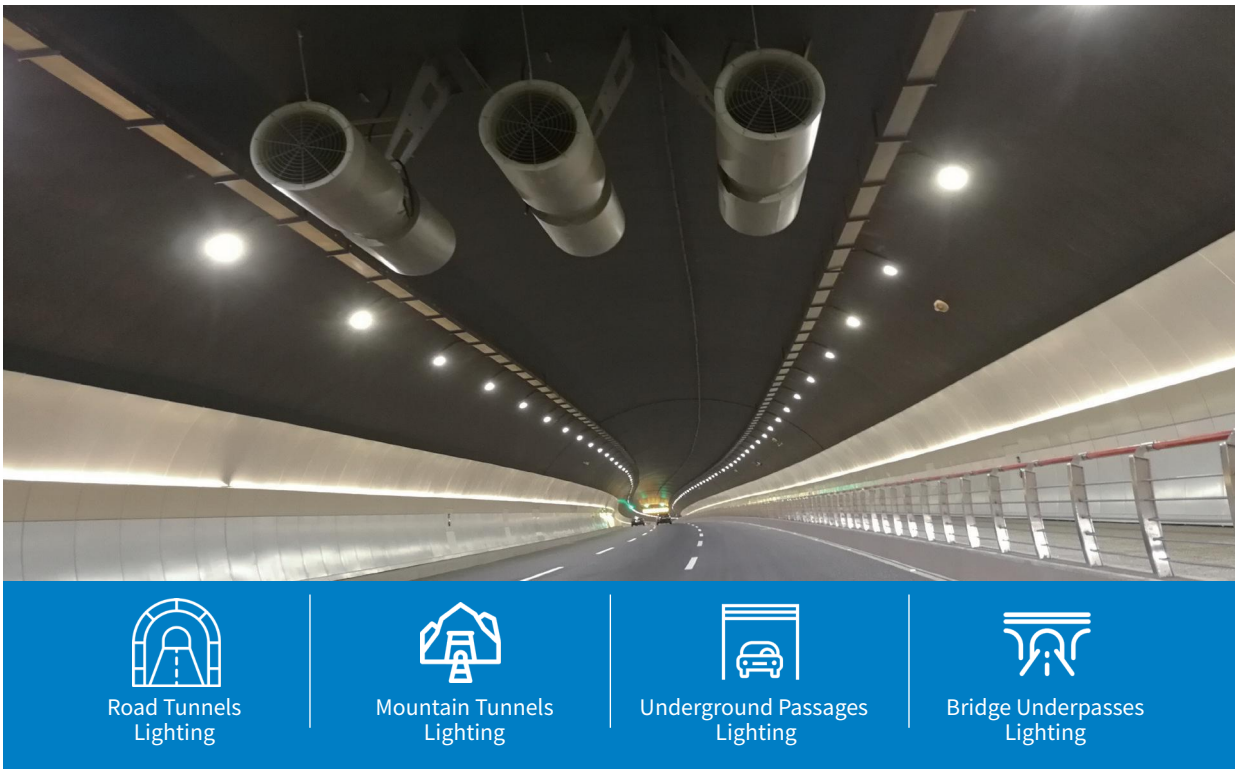
TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power	40 - 420 W
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra≥70
LEDs Type	5050
Typical Luminous Efficacy	167 - 204 lm/W
Light Distribution	See light distribution options of M66A on appendix I
IP Rating	LED Light Engine: IP68 Luminaire: IP67
IK Rating	IK08
Operating Environment	-40°C~+45°C, 10%~90%RH
Main Housing	Extruded Aluminum



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APPLICATION SCENARIOS



TS29B

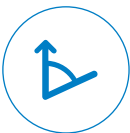
TUNNEL LIGHT

SILVER



CE RoHS IP67 Ra ≥70 5 YEAR WARRANTY

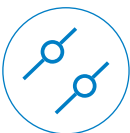
KEY BENEFITS



Adjustable Bracket Angles
Bracket rotation angles support flexible installation for different tunnel layouts.



IP68 Light Engine
Patented sealed LED module supports dependable long-term operation.



Rectangular Lighting Design
Developed for continuous-row tunnel lighting applications.



Aluminum Extrusion Body
Extruded aluminum body improves strength and heat dissipation.



Tempered Glass Cover
Glass surface enhances protection and cleaning convenience.



Customizable Power
Power options support different tunnel project requirements.

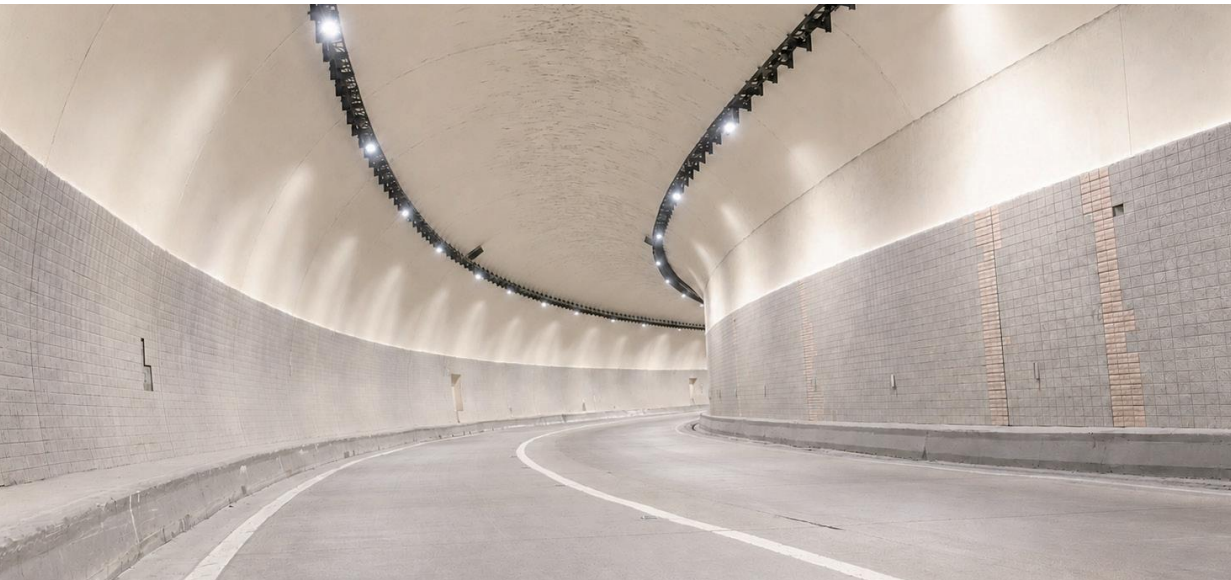
TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power	50 – 250 W
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra≥70
LEDs Type	5050
Typical Luminous Efficacy	155 - 171 lm/W
Light Distribution	Asymmetric tunnel optics for single-sided or center-line mounting
IP Rating	LED Light Engine: IP68 Luminaire: IP67
Operating Environment	-40°C~+50°C, 10%~90% RH
Main Housing	Extruded Aluminum



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APPLICATION SCENARIOS



Road Tunnels Lighting

Mountain Tunnels Lighting

Underground Passages Lighting

Bridge Underpasses Lighting

TF2C

HIGH BAY LIGHT

- WHITE
- BLACK
- GRAY



CE CB RoHS IP67 Ra ≥70 5 YEAR WARRANTY

KEY BENEFITS

- Honeycomb Thermal Design**
Full-structure heat dissipation with honeycomb design supports stable high-power operation.
- IP68 Light Engine**
Patented sealed LED module supports dependable long-term operation.
- Plug-in Architecture**
Plug-in modules simplify maintenance and component replacement.
- Efficient High-bay Optics**
Optical options deliver uniform industrial illumination.
- Adjustable Brackets**
U-shaped brackets improve installation and aiming flexibility.
- Optional Surface Treatment**
It supports reliable performance in coastal, high-UV, and other challenging environments.

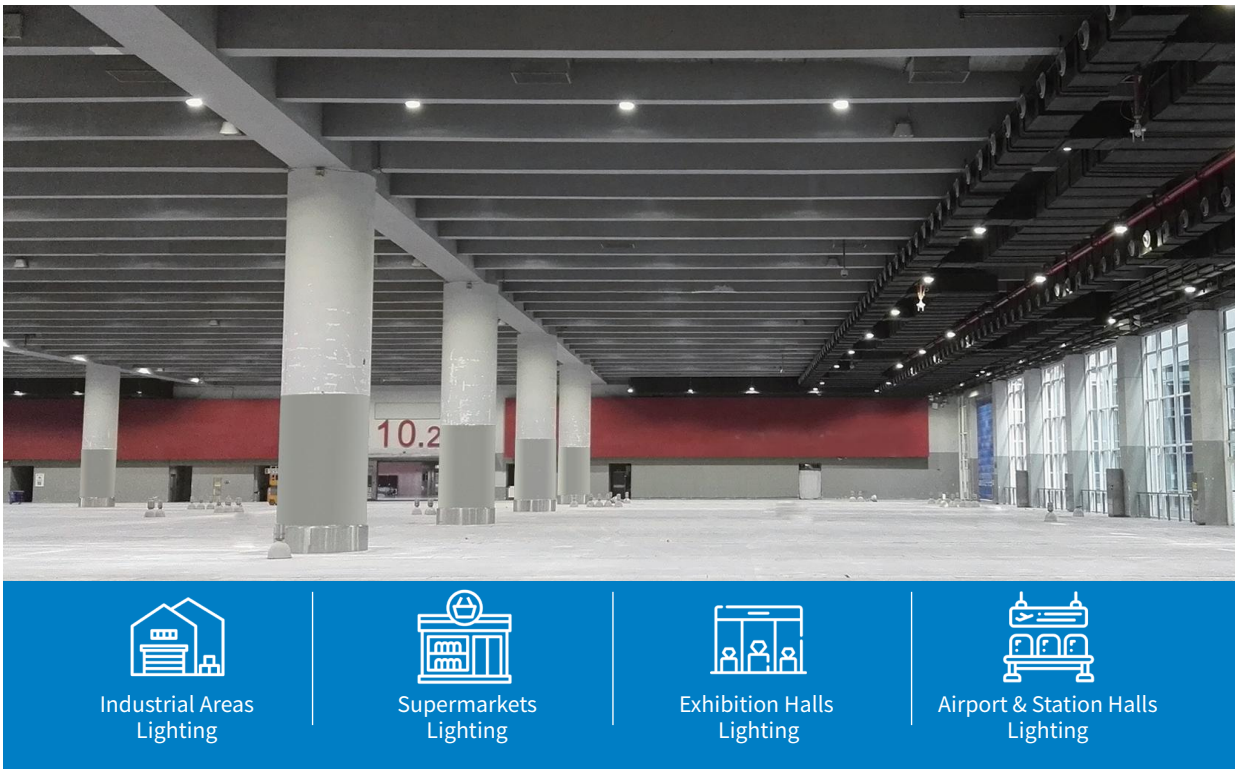
TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power	40 – 420 W
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra≥70
LEDs Type	5050
Typical Luminous Efficacy	167 – 204 lm/W
Light Distribution	See light distribution options of M66A on appendix I
IP Rating	LED Light Engine: IP68 Luminaire: IP67
IK Rating	IK08
Operating Environment	-40°C~+45°C, 10%~90% RH
Main Housing	Extruded Aluminum



Scan for full Specification

APPLICATION SCENARIOS



Industrial Areas Lighting

Supermarkets Lighting

Exhibition Halls Lighting

Airport & Station Halls Lighting

TF69A

HIGH BAY LIGHT

- WHITE
- BLACK
- GRAY



CE RoHS IP66 Ra ≥70 5 YEAR WARRANTY

KEY BENEFITS

- IP68 Light Engine**
Patented sealed LED module supports dependable long-term operation.
- Robust Die-cast Housing**
Die-cast aluminum body supports durable field performance.
- Tempered Glass Cover**
Glass surface enhances protection and cleaning convenience.
- Sensor Ready**
Optional sensor supports energy-saving lighting control.
- Flexible Mounting**
Optional accessories support recessed, ceiling, or surface mounting.
- Optional Surface Treatment**
It supports reliable performance in coastal, high-UV, and other challenging environments.

TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power	60 - 120 W
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra≥70
LEDs Type	5050
Typical Luminous Efficacy	160 - 187 lm/W
Light Distribution	110°
IP Rating	LED Light Engine: IP68 Luminaire: IP66
IK Rating	IK08
Operating Environment	-40°C~+50°C, 10%~90% RH
Main Housing	Die-cast Aluminum ADC-12



Scan for full Specification

APPLICATION SCENARIOS



- Industrial Areas Lighting
- Supermarkets Lighting
- Exhibition Halls Lighting
- Airport & Station Halls Lighting

FL2C

FLOOD LIGHT

- WHITE
- BLACK
- GRAY



CE CB RoHS IP67 Ra ≥70

KEY BENEFITS

- Honeycomb Thermal Design**
Full-structure heat dissipation with honeycomb design supports stable high-power operation.
- IP68 Light Engine**
Patented sealed LED module supports dependable long-term operation.
- Flexible Power Configuration**
Multiple module configurations support different project power requirements.
- Tool-less Replacement**
Light-engine replacement reduces maintenance time and cost.
- Optimized Angled Mounting**
Standard angled mounting bracket to minimize light obstruction.
- Optional Surface Treatment**
It supports reliable performance in coastal, high-UV, and other challenging environments.

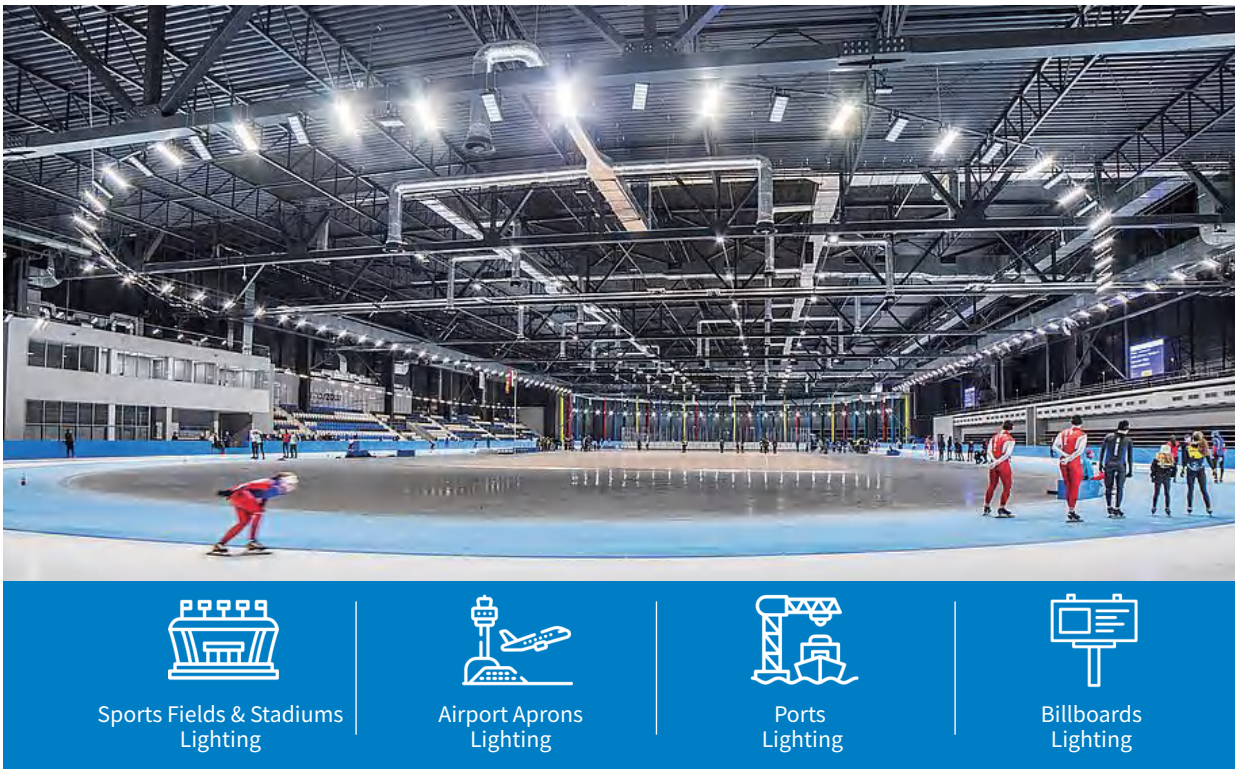
TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power	40 - 960 W
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra≥70
LEDs Type	5050
Typical Luminous Efficacy	167 - 204 lm/W
Light Distribution	See light distribution options of M66A on appendix I
IP Rating	LED Light Engine: IP68 Luminaire: IP67
Operating Environment	-40°C~+45°C, 10%~90%RH
Main Housing	Extruded Aluminum



Scan for full Specification

APPLICATION SCENARIOS



- Sports Fields & Stadiums Lighting
- Airport Aprons Lighting
- Ports Lighting
- Billboards Lighting

FL21

FLOOD LIGHT

- WHITE
- BLACK
- GRAY



CE CB RoHS IP67 Ra ≥70 5 YEAR WARRANTY

KEY BENEFITS

- Full-structure Thermal Design**
Integrated heat dissipation supports stable long-term operation.
- IP68 Light Engine**
Patented sealed LED module supports dependable long-term operation.
- Optional Tempered Glass Cover**
Glass surface enhances protection and cleaning convenience.
- Flexible Optics**
Multiple distributions adapt to diverse project requirements.
- Adjustable Tilt Bracket**
±60° tilt range improves on-site aiming flexibility.
- Optional Surface Treatment**
It supports reliable performance in coastal, high-UV, and other challenging environments.

TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power	30 – 240 W
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra≥70
LEDs Package	5050
Typical Luminous Efficacy	150 – 193 lm/W
Light Distribution	25° / 40° / 60° / 90° / LAMBERTIAN / BILLBOARD LIGHTING
IP Rating	LED Light Engine: IP68 Luminaire: IP67
IK Rating	IK08
Operating Environment	-40°C~+50°C, 10%~90% RH
Housing	Die-cast Aluminum ADC-12



Scan for full Specification

APPLICATION SCENARIOS



- Sports Fields & Stadiums Lighting
- Airport Aprons Lighting
- Ports Lighting
- Billboards Lighting

FL40

FLOOD LIGHT

- WHITE
- BLACK
- GRAY



CE CB RoHS IP67 Ra ≥70 5 YEAR WARRANTY

KEY BENEFITS

- Versatile Power Solutions up to 1500W**
Modular configuration supports high-output lighting applications.
- IP68 Light Engine**
Patented sealed LED module supports dependable long-term operation.
- Professional Accessories**
Light shields, laser sight, and safety rope available.
- Precision Stadium Optics**
Specialized distributions enable accurate sports lighting.
- Full-structure Thermal Design**
Integrated heat dissipation supports stable long-term operation.
- Optional Surface Treatment**
It supports reliable performance in coastal, high-UV, and other challenging environments.

TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power	300 - 1,500 W
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra≥70
LEDs Type	5050
Typical Luminous Efficacy	121 - 180 lm/W
Light Distribution	25° / 40° / 60°
IP Rating	LED Light Engine: IP68 Luminaire: IP67
Operating Environment	-40°C~+35°C, 10%~90% RH
Main Housing	Die-cast Aluminum ADC-12



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APPLICATION SCENARIOS



- Sports Fields & Stadiums Lighting
- Airport Aprons Lighting
- Ports Lighting
- Billboards Lighting

FL46

FLOOD LIGHT

- WHITE
- BLACK
- GRAY



CE CB RoHS PS E ETL US IP67 Ra ≥70 5 YEAR WARRANTY

KEY BENEFITS

- High-power Modules**
Modular configuration supports high-output lighting applications.
- IP68 Light Engine**
Patented sealed LED module supports dependable long-term operation.
- Narrow-beam Optics**
Multiple optics support long-throw lighting.
- Wide-area Optics**
Dedicated distributions support broad coverage applications.
- Project Adaptability**
Adjustable bracket and anti-corrosion options support complex sites.
- Optional Surface Treatment**
It supports reliable performance in coastal, high-UV, and other challenging environments.

TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power	40 – 960 W
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra≥70
LEDs Type	5050
Typical Luminous Efficacy	157 – 194 lm/W
Light Distribution	25° / 40° / 60° / 90°
IP Rating	LED Light Engine: IP68 Luminaire: IP67
Operating Environment	-40°C~+50°C, 10%~90% RH
Housing	Die-cast Aluminum ADC-12



Scan for full Specification

APPLICATION SCENARIOS

Sports Fields & Stadiums Lighting

Airport Aprons Lighting

Ports Lighting

Billboards Lighting

RETROFIT SOLUTION



CE RoHS Ra ≥70 5 YEAR WARRANTY

KEY BENEFITS

- 

Legacy Housing Retrofit
Designed to upgrade existing luminaires across different outdoor applications.
- 

IP68 Light Engine
Patented sealed LED module supports dependable long-term operation.
- 

Flexible Power Configuration
Multiple module configurations support different project power requirements.
- 

Flexible Optics
Multiple distributions adapt to diverse project requirements.
- 

Tool-less Replacement
Light-engine replacement reduces maintenance time and cost.
- 

Customizable Fit
Sheets and finishes adapt to different legacy housings.

TECHNICAL PARAMETERS

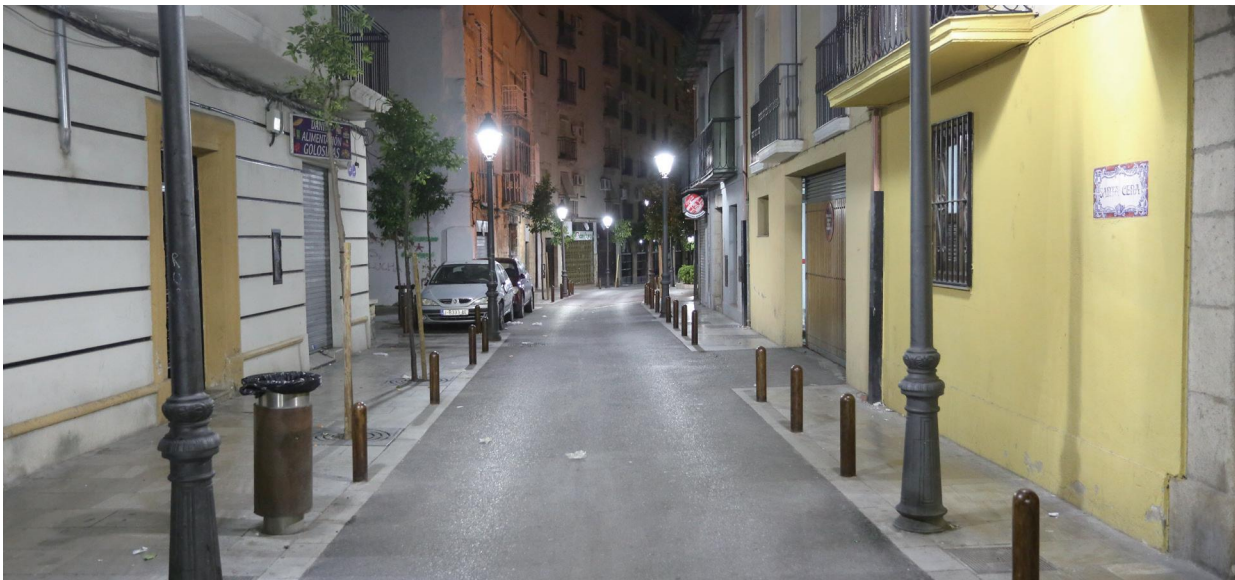
PARAMETER	SPECIFICATION
Input Voltage	100 - 277 Vac
Input Frequency	50 / 60 Hz
Power Factor	0.95
CCT	3000K / 4000K / 5000K / 5700K
CRI	Ra≥70
LEDs Type	5050
LED Module Quantity ^[1]	1,2,3...n
Power	n × 40W / 50W / 60W
Typical Luminous Efficacy ^[2]	185 lm/W@ n×40W 182 lm/W@ n×50W 178 lm/W@ n×60W
Light Distribution	See light distribution options of M66A on appendix I
IP Rating	LED Light Engine: IP68

Note: [1][2] Typical luminous efficacy values are based on multi-module configurations (n≥2). For single-module configurations (n=1), the efficacy decreases by approximately 6% due to driver efficiency.



Scan for full Specification

APPLICATION SCENARIOS



- 

Roadway Lighting
- 

Area Lighting
- 

Tunnel Lighting
- 

Flood Lighting

APPENDIX I: LIGHT DISTRIBUTION CURVES

ASYMMETRIC LIGHT DISTRIBUTIONS

IESNA TYPE	TYPE I	TYPE II	TYPE III	TYPE IV	TYPE V
CURVES					
M66A-VB/CB		✓	✓		✓
M66A-VC/CC		✓	✓		
T78	✓	✓	✓	✓	
T88	✓	✓	✓		
T1MAX	✓				
T1QMAX/T2QMAX			✓		
T29A	✓	✓			
T29B/T29C	✓	✓	✓		
T65/T68	✓	✓	✓		
T67/T69	✓	✓	✓		

SYMMETRIC LIGHT DISTRIBUTIONS

BEAM ANGLE (50%)	12°	25°	40°	60°	90°	LAMBERTIAN
CURVES						
M66A-VB/CB		✓	✓	✓	✓	
M66A-VC/CC		✓	✓	✓	✓	

SPECIAL LIGHT DISTRIBUTIONS

APPLICATION	TUNNEL LIGHTING	BILLBOARD LIGHTING	SPORT LIGHTING
CURVES			
M66A-VB/CB	✓		✓
M66A-VC/CC	✓		

M66A-CC/VC MODULE LIGHT DISTRIBUTIONS

IESNA TYPE	T2M2510	T2M2523	T2M5512
TYPE II			

IESNA TYPE	T3M6513
TYPE III	

25D6525	40D5540	60D6560	90D5590	6542(TUNNEL LIGHT)

M66A-CB/VB MODULE LIGHT DISTRIBUTIONS

IESNA TYPE	T2S5531	T2M6532	T2S7530	T2M7543
TYPE II				

IESNA TYPE	T3M5533
TYPE II	

25D6534	40D5535	60D6536	90D5537	7541(TUNNEL LIGHT)

APPENDIX I: LIGHT DISTRIBUTION CURVES

T78 ROADWAY LIGHT

IESNA TYPE	T2M9600	T2S9900	IESNA TYPE	T3M9601	IESNA TYPE	T4S9700
TYPE II	5050 LED	5050 LED	TYPE III	5050 LED	TYPE IV	5050 LED

T88 ROADWAY LIGHT

IESNA TYPE	T1S2170	T2S2171	IESNA TYPE	T2M2173	IESNA TYPE	T3M2174
TYPE I	5050 LED	5050 LED	TYPE II	5050 LED	TYPE III	5050 LED

T1MAX ROADWAY LIGHT

IESNA TYPE	T1S1211
TYPE I	5050 LED

T1QMAX ROADWAY LIGHT

IESNA TYPE	T3M6201
TYPE II	5050 LED

T2QMAX ROADWAY LIGHT

IESNA TYPE	T3M6202
TYPE III	5050 LED

T29A ROADWAY LIGHT

IESNA TYPE	T1S1209	IESNA TYPE	T2M2223	T2L2209
TYPE I		TYPE II		

T29B ROADWAY LIGHT

IESNA TYPE	T1S1210	IESNA TYPE	T2S2210	T2M2219	IESNA TYPE	T3M2240
TYPE I	5050 LED	TYPE II	5050 LED	5050 LED	TYPE III	5050 LED

T29C ROADWAY LIGHT

IESNA TYPE	T1S1107
TYPE I	

IESNA TYPE	T2S2105	T2S3106	T2S3108	T2S2212	T2S2128	T2M2111
TYPE II						

IESNA TYPE	T3S1113	T3M2109
TYPE III		

T65/T68 ROADWAY LIGHT

IESNA TYPE	T1S1881/T1S1884	IESNA TYPE	T2S1882/T2S1885	IESNA TYPE	T3S2883/T3S2886	IESNA TYPE	T2S1846 (ONLY T65N1-100)
TYPE I	5050 LED	TYPE II	5050 LED	TYPE III	5050 LED	TYPE II	5050 LED

T67/T69 ROADWAY LIGHT

IESNA TYPE	T1S1384/T1S1385	IESNA TYPE	T2S2386	IESNA TYPE	T3M2387
TYPE I	5050 LED	TYPE II	5050 LED	TYPE III	5050 LED