HPWINNER CATALOGUE 2019



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HPWINNER

Smart Factory for Precise Customizations and Rapid Deliveries.

Przedstawicielstwo HPWINNER Polska

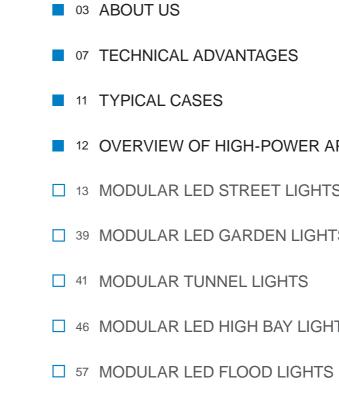
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ABOUT HPWINNER

HPWINNER (stock code 833888), is an ambitious company who commits itself to becoming a worldwide leader in high-power outdoor LED lighting application industry. HPWINNER was established in July, 2011. Its founder, Mr. CHEN Kai, is a Delegate of Zhejiang Provincial People's Congress, and is titled as a leading technologist of "the National Ten Thousand Talents Program" (also known as "the National High-level Personnel of Special Support Program") by Organization Department of the CPC Central Committee and a Scientific and Technological Innovative and Entrepreneurial Talents by Ministry of Science and Technology. Headquartered in Hangzhou with its manufacturing base located in Changxing National-level economic and technological development zone in Zhejiang Province, the company has grown up to a staff of over 800.

Since its establishment, HPWINNER has been rapidly developing its business all over the world. In 2014, it was entitled as a National High-tech Enterprise. In October, 2015, it landed the New OCT Market. In March, 2018, its intelligent manufacturing base went into operation. Totally, the base is planned to cover a land area of 333,300 square meters, and to have a building area of around 400,000 square meters. So far, there are five buildings with 75,000-square-meters' floor area for molding workshop, die casting workshop, precision machining workshop, powder coating workshop and assembly workshop. The current facilities allow an annual production capacity of 120 sets of molds, 2,000,000 sets of accessories, 4,500,000 sets of luminaires and 9,000,000 sets of modules; when all the construction is completed, as a vertical integration of industrial clusters guided by innovation of Industry 4.0, the manufacturing base will provide customers with comprehensive industrial services at high efficiency and high quality, including designing, molding, die casting, finishing, coating, assembly, guidance, and after-sale services.

Over one hundred members constitute a strong R&D team in the industry, each graduated from well-known universities in China and overseas in the areas of optics, thermodynamics, industrial design, electrical engineering, information engineering, arts, etc. The core designers are all well experienced in domestic and international important programs for industrial products. The team participated in several national research programs, and drafted over 70 different national, social organizational, industrial, and local standards. The abilities of this powerful team gives HPWINNER unmatched technical strengths that have allowed it to apply for over 700 domestic and international patents. On average, the company applies for over one patent per week, and that speed is increasing. Therefore, it offers a secure backing for clients' intellectual properties.

HPWINNER provides one-stop services from innovation to execution, and fundamentally realizes a three-dimensional solution innovation mode.

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ABOUT HPWINNER

POWERFUL MANUFACTURE CAPACITY

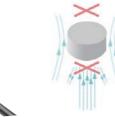


TECHNICAL ADVANTAGES

HEAT DISSIPATION OF HONEYCOMB BRIQUETTE EFFECT

It simulates and adopts the burning principle of honeycomb briquette; solid briquette burns slowly and inadequately due to the insulation of its center from outer air, the honeycomb structure enables coal to burn fast due to air convection, which is called the Honeycomb Briquette Effect. Similarly, it is available to transform the original whole block of radiator into various modules, as well as to enable air to convect and fully pass through the gaps between modules by utilizing the Honeycomb Briquette Effect, thus to dissipate the heat rapidly and reduce temperature by around 20 °C.





No air convection in

solid coal Briquette

Schematic diagram of heat dissipation of honeycomb effect



 Air convection in Honeycomb Briquette

HEAT DISSIPATION OF THE WHOLE STRUCTURE

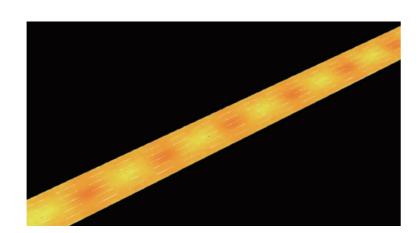
It is available to make clever use of the module bracket that only plays a supporting role, and to transform it to a "heat-conductive bracket" that is capable of conducting the module's heat to the lamp shell as a structural part, thus to promote the cooling effect of radiator of cooling module. The design aims to fully utilize the surface area of structural parts to transfer heat to air.

Main beam

The heat is transferred to the main beam, and thus the main beam can promote the heat dissipation of radiator.

ERGONOMIC LIGHT DISTRIBUTION

The light and color scheme of its products complies with road operators' visual habits. The products adopt equal-brightness optical design in full consideration that it is unavailable to detect illumination by eyes because human eyes are sensitive to brightness, thus not only eliminating the visual bright spots and dark spots on road surface, but also bringing visual ease and comfort to road operators, as well as improving lighting illumination and obtaining accurate detected values.



TOOL-FREE MAINTENANCE

It adopts a special structural design to achieve the manual disassembly and installation of lighting components (mainly module and power supply), considering that the high-power lights are generally installed in high operating space, it's very necessary for the operators to take along as few tools as possible for their convenience and safety.



DOUBLE-COUPLING IP68 PROTECTION

It adopts the screw-free structure to avoid the penetration of water vapor through the screw hole, and its double silicon-rubber rings insulate LED chip from the outside environment completely, thus to protect inner LED chip and PCB from any corrosion caused by water vapor or other noxious gas.

In addition to tests under normal water, the Dye Penetrant Analysis of the couplings is applied. Put the module into 100 degree red boiling water for 30 minutes and then suddenly put it into the normal water to test whether the red ink permeates the couplings of the modules. Such tests will be repeated for 6 times in 3 hours. Thus, the results will show what IP rate it will reach. HPWINNER's modules have got a perfect IP68.

FREE SERIALIZATION

It is available to freely equip with different numbers of modules to achieve different powers as required.











TECHNICAL ADVANTAGES

■ INTELLIGENT LIGHTING

Modular intelligent components with different functions can work in free combination on a modular intelligent street light to meet different purposes.

AUTHORIZED LABORATORY IN THE LED LIGHTING INDUSTRY

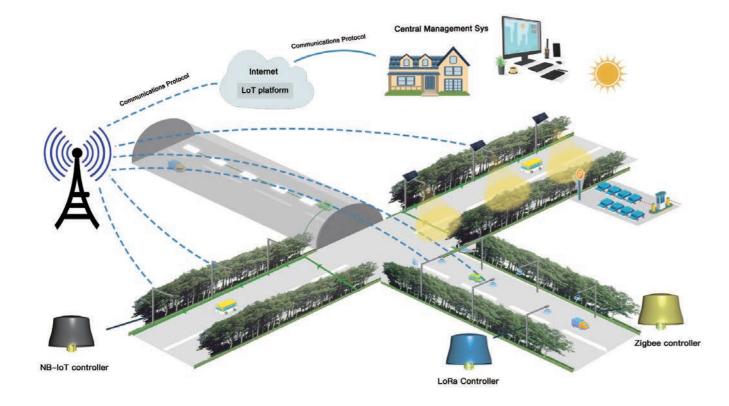












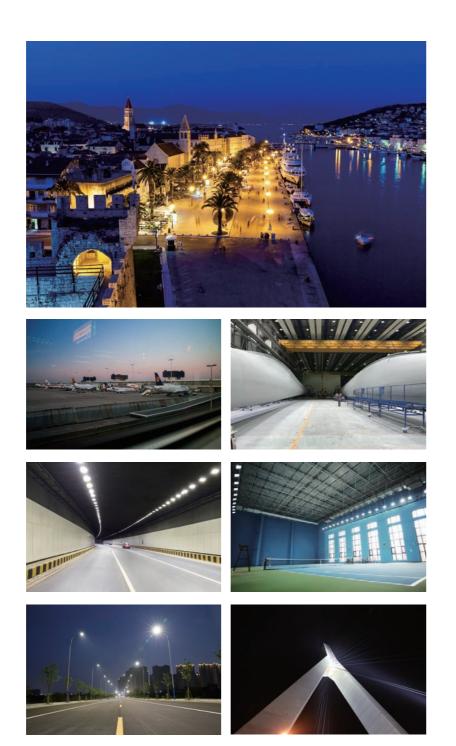




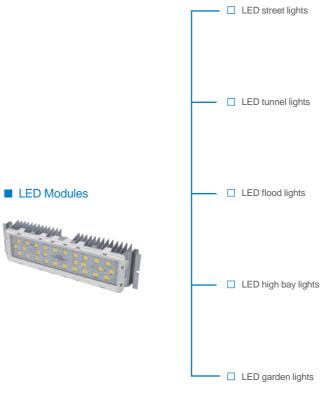
TYPICAL CASES

OVERVIEW OF HIGH-POWER APPLICATION SERIES

FULL COVERAGE OF OUTDOOR LIGHTING APPLICATION



LED high-power applications, namely semiconductor lighting products, adopt LED as lighting source, and feature environmental protection, low power consumption, high luminous efficiency, as well as long life span. The LED high-power applications independently developed by HPWINNER include LED street lights, LED tunnel lights, LED high bay lights, and LED spot lights / flood lights series.



HPWINNER









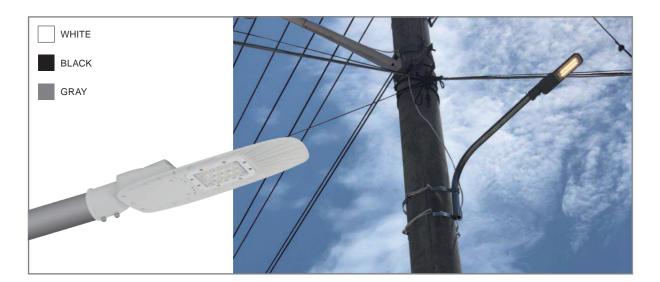




WHITE

BLACK

GRAY



MAIN FEATURES



- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for roadway applications;
- U Whole structure heating dissipation design with excellent thermal conduction and radiation;
- Unmatched lighting performance desirable lifespan;
- Available for mast-arm of Ø40mm;
- Sensor available (on/off).



■ TECHNICAL PARAMETERS

| Input Voltage | 100-240Vac | | | |
|---------------------------|---|--|--|--|
| Power | 20W/30W/40W | | | |
| Power factor | 0.95 | | | |
| Available CCT | 3000K/4000K/5000K/5700K | | | |
| LED Brand | Customized chips from world-leading supplier | | | |
| Typical Luminous Efficacy | 145±8lm/W@370mA 128±8lm/W@650mA 125±8lm/W@720mA | | | |
| Lighting distribution | TYPE II | | | |
| | See lighting distribution options on appendix | | | |
| Working Temperature | -40~+50°C | | | |
| Installation diameter | 40-44mm/55-65mm | | | |
| | | | | |

■ TECHNICAL PARAMETERS

| 100-240Vac | | |
|---|--|--|
| 20W/30W/40W | | |
| 0.95 | | |
| 3000K/4000K/5000K/5700K | | |
| Customized chips from world-leading supplier | | |
| 145±8lm/W@370mA 128±8lm/W@650mA 125±8lm/W@720mA | | |
| TYPE II | | |
| See lighting distribution options on appendix | | |
| -40~+50°C | | |
| 40-44mm/55-65mm | | |
| | | |



Unique patented IP68 LED light engines;

- Ergonomic and dedicated lighting distributions available for roadway applications;
- U Whole structure heating dissipation design with excellent thermal conduction and radiation;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Sensor available (on/off);
- Available for mast-arm of both Ø40mm & Ø60mm.





WHITE

BLACK

GRAY



MAIN FEATURES



- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for roadway applications;
- U Whole structure heating dissipation design with excellent thermal conduction and radiation; Unmatched lighting performance, driver stability and desirable lifespan;
- Available for mast-arm of both Ø40mm & Ø60mm.



MAIN FEATURES



IP65 rated electrical compartment;

■ TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | | |
|---------------------------|--|--------------|--|--|
| Power | 30W/40W/50W/60W | | | |
| Power factor | 0.0 | 95 | | |
| Available CCT | 3000K/4000K/ | /5000K/5700K | | |
| LED Brand | Lumileds Luxeon TX Lumileds Luxeon 3030 | | | |
| Typical Luminous Efficacy | 110±5lm/W@700mA130±5lm/W@700mA105±5lm/W@860mA125±5lm/W@860mA100±5lm/W@1050mA117±5lm/W@1050mA | | | |
| Lighting distribution | TYPE I TYPE II TYPE III | | | |
| | See lighting distribution options on appendix | | | |
| Working Temperature | -40~+50°C | | | |
| Installation diameter | 57-63mm | | | |
| | | | | |

TECHNICAL PARAMETERS

| Input Voltage | 100-240Vac | | | |
|---------------------------|--|--------------|--|--|
| Power | 50W/60W | | | |
| Power factor | 0. | 95 | | |
| Available CCT | 3000K/4000K | /5000K/5700K | | |
| LED Brand | Lumileds Luxeon 3030 Customized chips from world-leading supplier | | | |
| Typical Luminous Efficacy | 110±8lm/W@1050mA 143±8lm/W@1000mA 110±8lm/W@1100mA 135±8lm/W@1200mA | | | |
| Lighting distribution | TYPE I TYPE II | | | |
| | Lighting distribution See lighting distribution options on appendix | | | |
| Working Temperature | -40~+50°C | | | |
| Installation diameter | 37-43mm/57-63mm | | | |



Unique patented IP68 LED light engines;

Ergonomic and dedicated lighting distributions available for various roadway applications;

 $\hfill\square$ Whole structure heating dissipation design with excellent thermal conduction and radiation;

Unmatched lighting performance, driver stability and desirable lifespan;

 $\hfill\square$ Stainless steel latches provide easy, tool-less access to the electrical compartment;

Built-in ±5° inclination in steps of 2.5° with bubble level;

Optional NEMA receptacle & photocell.





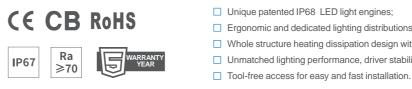




- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for various roadway applications;
- U Whole structure heating dissipation design with excellent thermal conduction and radiation;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Tool-free access for easy and fast installation.



MAIN FEATURES



■ TECHNICAL PARAMETERS

IP67

| Input Voltage | 100-277Vac | | | |
|---------------------------|---|--|--|--|
| Power | 80W | | | |
| Power factor | 0.95 | | | |
| Available CCT | 3000K/4000K/5000K/5700K | | | |
| LED Brand | Lumileds Luxeon 3030 | | | |
| Typical Luminous Efficacy | 117±5lm/W@1050mA | | | |
| Lighting distribution | TYPE I | | | |
| | See lighting distribution options on appendix | | | |
| Working Temperature | -40~+50°C | | | |
| Installation diameter | 57-63mm | | | |
| | | | | |

| Input Voltage | 100-277Vac | | | |
|---------------------------|--|----------------------|--|--|
| Power | 30W/40W/50W/60W | | | |
| Power factor | 0.4 | 95 | | |
| Available CCT | 3000K/4000K | /5000K/5700K | | |
| LED Brand | Lumileds Luxeon TX | Lumileds Luxeon 3030 | | |
| Typical Luminous Efficacy | 110±5lm/W@700mA130±5lm/W@700mA105±5lm/W@860mA125±5lm/W@860mA100±5lm/W@1050mA117±5lm/W@1050mA | | | |
| Lighting distribution | TYPE I TYPE II TYPE III | | | |
| Lighting distribution | See lighting distribution options on appendix | | | |
| Working Temperature | -40~+50°C | | | |
| Installation diameter | 57-63mm | | | |

- Ergonomic and dedicated lighting distributions available for roadway applications;
- U Whole structure heating dissipation design with excellent thermal conduction and radiation;
- Unmatched lighting performance, driver stability and desirable lifespan;









- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for roadway applications;
- U Whole structure heating dissipation design with excellent thermal conduction and radiation;
- Unmatched lighting performance, driver stability and desirable lifespan;



MAIN FEATURES



■ TECHNICAL PARAMETERS

IP66 rated electrical compartment;

| Input Voltage | 100-277Vac | | | |
|---------------------------|--|--|--|--|
| Power | 40W/50W/60W | | | |
| Power factor | 0.95 | | | |
| Available CCT | 3000K/4000K/5000K/5700K | | | |
| LED Brand | Lumileds Luxeon TX Lumileds Luxeon 3030 Customized chips from world-leading supplier | | | |
| Typical Luminous Efficacy | 112-147lm/W | | | |
| Lighting distribution | TYPE I TYPE II TYPE III | | | |
| | See lighting distribution options on appendix | | | |
| Working Temperature | -40~+50°C | | | |
| Installation diameter | 50-60mm | | | |

| Input Voltage | 100-277Vac | | |
|---------------------------|---|--|--|
| Power | 20W/30W/40W | | |
| Power factor | 0.95 | | |
| Available CCT | 3000K/4000K/5700K | | |
| LED Brand | Customized chips from world-leading supplier | | |
| Typical Luminous Efficacy | 140±8lm/W@350mA 135±8lm/W@550mA 130±8lm/W@720mA | | |
| Lighting distribution | TYPE II | | |
| | See lighting distribution options on appendix | | |
| Working Temperature | -40~+50°C | | |
| Installation diameter | 50-60mm | | |

- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for roadway applications;
- U Whole structure heating dissipation design with excellent thermal conduction and radiation;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Optional NEMA receptacle & photocell.









- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for roadway applications;
- U Whole structure heating dissipation design with excellent thermal conduction and radiation;
- Unmatched lighting performance desirable lifespan;
- IP66 rated electrical compartment;
- Optional NEMA receptacle & photocell.



MAIN FEATURES



■ TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | |
|---------------------------|---|--|--|
| Power | 80W/100W/120W | | |
| Power factor | 0.95 | | |
| Available CCT | 3000K/4000K/5700K | | |
| LED Brand | Customized chips from world-leading supplier | | |
| Typical Luminous Efficacy | 158±8lm/W@800mA 152±8lm/W@1000mA 145±8lm/W@1200mA | | |
| Lighting distribution | TYPE I TYPE II TYPE III TYPE V | | |
| Lighting distribution | See lighting distribution options on appendix | | |
| Working Temperature | -40~+50°C | | |
| Installation diameter | 50-60mm | | |

| Input Voltage | 100-277Vac | | | |
|---------------------------|---|--------------|--|--|
| Power | 40W/50W/60W | | | |
| Power factor | 0. | 95 | | |
| Available CCT | 3000K/4000K | /5000K/5700K | | |
| LED Brand | Lumileds Luxeon 3030 Customized chips from world-leading supplier | | | |
| Typical Luminous Efficacy | 125±5lm/W@700mA150±8lm/W@800mA120±5lm/W@860mA145±8lm/W@1000mA112±5lm/W@1050mA140±8lm/W@1200mA | | | |
| Lighting distribution | TYPE I TYPE II | | | |
| Lighting distribution | See lighting distribution options on appendix | | | |
| Working Temperature | -40~+50°C | | | |
| Installation diameter | 50-60mm | | | |

- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for roadway applications;
- U Whole structure heating dissipation design with excellent thermal conduction and radiation;
- Unmatched lighting performance desirable lifespan;
- IP66 rated electrical compartment;
- Optional NEMA receptacle & photocell.









- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for various roadway applications; U Whole structure heating dissipation design with excellent thermal conduction, radiation and convection;
- Flexible to reach desired power selections by choosing appropriate light engines;
- □ Tool-free onsite replacements of light engines greatly reduce maintenance cost;
- Unmatched lighting performance, driver stability and desirable lifespan;



| Input Voltage | 100-277Vac | | | |
|---------------------------|---|-------------|---------------------|--|
| Power factor | 0.95 | | | |
| Available CCT | | 3000K/4000K | /5000K/5700K | |
| Module Type | M1/M2 series | M8 s | eries | M16 series |
| Photo | | | | Carrier Contraction |
| Module Quantity | 1 | | 2 | |
| Power | 40W 50W 60W | | 80W 100W 120W | |
| Typical Luminous Efficacy | 110±5lm/W@700mA 130±5lm/W 105±5lm/W@860mA 125±5lm/W 100±5lm/W@1050mA 117±5lm/W | | V@860mA | 158±5lm/W@800mA 152±5lm/W@1000mA 145±5lm/W@1200 mA |
| Lighting distribution | | | PE V | |
| | See lighting distribution options on appendix | | | |
| Working Temperature | -40~+50°C | | | |
| Installation diameter | 57-63mm | | | |



MAIN FEATURES



■ TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | | |
|---------------------------|---|--|--|--|
| Power | 40W-120W | | | |
| Power factor | 0.95 | | | |
| Available CCT | 3000K/4000K/5700K | | | |
| LED Brand | Customized chips from world-leading supplier | | | |
| Typical Luminous Efficacy | 158±8lm/W@800mA 152±8lm/W@1000mA 145±8lm/W@1200mA | | | |
| Lighting distribution | TYPE I TYPE II TYPE III TYPE V | | | |
| | See lighting distribution options on appendix | | | |
| Working Temperature | -40~+50°C | | | |
| Installation diameter | 57-63mm | | | |
| | | | | |

Unique patented IP68 LED light engines;

Ergonomic and dedicated lighting distributions available for various roadway applications;

U Whole structure heating dissipation design with excellent thermal conduction and radiation;

Unmatched lighting performance, driver stability and desirable lifespan;

Stainless steel latches provide easy, tool-less access.









- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for roadway applications, Tempered glass with impact resistance rating of IK08-IK09;
- U Whole structure heating dissipation design with excellent thermal conduction and radiation, Post-top & side-entry with ±15° inclination;
- Unmatched lighting performance desirable lifespan, Die-cast latches provide easy, tool-less access to the electrical compartment;
- Available for mast-arm of Ø40mm, Equipped with bubble level for precise installation;
- Optional NEMA receptacle & photocell, Optional electrical disconnector and fast driver maintenance.

■ TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | | | | | | |
|---------------------------|---|-------------------------|--|--|--|--|--|--|
| Power | 40W-240W | | | | | | | |
| Power factor | 0.95 | | | | | | | |
| Available CCT | | 3000K/4000K/5000K/5700K | | | | | | |
| LED Brand | Lumileds Luxeon TX | Lumileds Luxeon 3030 | Customized chips from world-leading supplier | | | | | |
| Typical Luminous Efficacy | | 115-14 | 0lm/W | | | | | |
| Lighting distribution | | TYPE I TYPE II | TYPE III TYPE | | | | | |
| Lighting distribution | See lighting distribution options on appendix | | | | | | | |
| Working Temperature | | -40~+ | -50°C | | | | | |
| Installation diameter | | 40-50mm/55-6 | 5mm/65-75mm | | | | | |



MAIN FEATURES





IP66 rated electrical compartment;

| Input Voltage | 100-277 Vac | | | | | | | | |
|---------------------------|--|-------|---|--|------|--|--|--|--|
| Power factor | 0.95 | | | | | | | | |
| Available CCT | | | 3000K/4000K | (/5000K/5700K | | | | | |
| Module Type | M7C-XA series | M7 | D-XA series | M7C-XB set | ries | M7D-XB series | | | |
| Photo | | | | | | | | | |
| Module Quantity | 1 | | 2 | | | 4 | | | |
| Power | 40W 50W 60W | | 80W 100W 120W | | | 160W 200W 240W | | | |
| Typical Luminous Efficacy | 123±5lm/W@1050mA 117±5lm/W@650mA 112±5lm/W@800mA | 125±5 | 51m/W@700mA 51m/W@860mA 1m/W@1050mA | 137±8lm/W@800mA 130±8lm/W@1000mA 123±8lm/W@1200 mA | | 143±8lm/W@800mA 137±8lm/W@1000mA 130±8lm/W@1200 mA | | | |
| Lighting distribution | | | TYPE I | TYPE II | | | | | |
| Lighting distribution | | Se | e lighting distributio | on options on appe | ndix | | | | |
| Working Temperature | | | -40~ | +50 ℃ | | | | | |
| Installation diameter | | | 55-6 | 65mm | | | | | |

- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for various roadway applications;
- Whole structure heating dissipation design with excellent thermal conduction and radiation;
- □ Flexible to reach desired power selections by choosing appropriate light engines;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Optional driver: class II (standard), class I (optional); Tempered glass with impact resistance rating of IK09;
- Die-cast latches provide easy, tool-less access to the electrical compartment;
- Optional electrical disconnector, photocell and universal bubble level;
- Post-top & side-entry with ±15° inclination in steps of 3°;









Unique patented IP68 LED light engines;

- Ergonomic and dedicated lighting distributions available for various roadway applications;
- U Whole structure heating dissipation design with excellent thermal conduction, radiation and convection;
- Flexible to reach desired power selections by choosing appropriate light engines;
- □ Tool-free onsite replacements of light engines greatly reduce maintenance cost;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Aluminum alloy extrusion profiles, high mechanical strength;
- Optional upgrade for an IP65 rated electrical compartment configuration.

■ TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | | | | | | | | |
|-----------------------|---|---------------------------|----------------------|-----|---|--|--|--|--|--|
| Power factor | 0.95 | | | | | | | | | |
| Available CCT | | 3000K/4000K/5000K/5700K | | | | | | | | |
| Module Type | M31A-XA series M31A-XB series M31A-XC series | | | | | | | | | |
| Photo | | | | | | | | | | |
| Module Quantity | 2 | 3 | 3 4 | | 5 | | | | | |
| Power | 80W 100W 120W | 120W 150W 180W | 160W 200W 240W | | 200W 250W | | | | | |
| Typical LM/W | 110±5lm/W@700mA 158±5lm/W 105±5lm/W@860mA 152±5lm/W 100±5lm/W@1050mA 145±5lm/W | | /@1000mA | 12 | 80±5lm/W@700mA 25±5lm/W@860mA 7±5lm/W@1050 mA | | | | | |
| Light distribution | | TYPE I TYPE II TYP | E III TYPE IV TYP | ΡΕV | | | | | | |
| Light distribution | | See lighting distribution | on options on append | lix | | | | | | |
| Working Temperature | | -40~- | +50°C | | | | | | | |
| Installation diameter | | 57-6 | 3mm | | | | | | | |



MAIN FEATURES

CE CB RoHS Ra ≥70



■ TECHNICAL PARAMETERS

IP67

| Input Voltage | | 100-277Vac | | | | | | | |
|---------------------------|--|--|--|--|--|--|--|--|--|
| Power factor | 0.95 | | | | | | | | |
| Available CCT | | 3000K/4000K/5000K/5700K | | | | | | | |
| Module Type | M1/M2 series | M16 series | | | | | | | |
| Photo | Concerns and | | | | | | | | |
| Module Quantity | 1 | 2 | 3 | | | | | | |
| Power | 40W 50W 60W | 80W 100W 120W | 120W 150W 180W | | | | | | |
| Typical Luminous Efficacy | 110±51m/W@700mA 105±51m/W@860mA 100±51m/W@1050mA | 130±5lm/W@700mA 125±5lm/W@860mA 117±5lm/W@1050mA | 158±51m/W@800mA 152±51m/W@1000mA 145±51m/W@1200 mA | | | | | | |
| Lighting distribution | TYP | EI TYPEII TYPEIII TYPEIV TY | PE V | | | | | | |
| Lighting distribution | See | e lighting distribution options on apper | ndix | | | | | | |
| Working Temperature | | -40~+50°C | | | | | | | |
| Installation diameter | | 57-63mm | | | | | | | |

Unique patented IP68 LED light engines;

Ergonomic and dedicated lighting distributions available for various roadway applications;

Whole structure heating dissipation design with excellent thermal conduction, radiation and convection; Flexible to reach desired power selections by choosing appropriate light engines;

Tool-free onsite replacements of light engines greatly reduce maintenance cost;

Unmatched lighting performance, driver stability and desirable lifespan;

Multiple customized colors available.









- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for various roadway applications;
- U Whole structure heating dissipation design with excellent thermal conduction, radiation and convection;
- Flexible to reach desired power selections by choosing appropriate light engines;
- □ Tool-free onsite replacements of light engines greatly reduce maintenance cost;
- Unmatched lighting performance, driver stability and desirable lifespan;

■ TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | | | | | | | |
|---------------------------|-------------------|--------------------------------------|-----|--|----------------------|----------------------|----|----------------------|----------------------|
| Power factor | | | | | 0.95 | | | | |
| Available CCT | | | | 3000ł | K/4000K/5000K/ | 5700K | | | |
| Module Type | M1, | /M2 series | | | M8 series | | | M16 se | ries |
| Photo | Charles and | | | | | | | | |
| Module Quantity | 1 | 2 | | 3 | 4 | 5 | | 6 | 7 |
| Power | 40W 50W 60W | 80W 100W 120W | 1 | 120W 150W 180W | 160W 200W 240W | 200W 250W 300W | | 240W 300W 360W | 280W 350W 420W |
| Typical Luminous Efficacy | 105±5In | n/W@700mA n/W@860mA n/W@1050mA | | 130±5lm/W@700mA158±5lm/W@800mA125±5lm/W@860mA152±5lm/W@1000mA117±5lm/W@1050mA145±5lm/W@1200 mA | | | | | 01000mA |
| Lighting distribution | | | TYP | EI TYPE | II TYPE III TY | PEIV TYP | ΕV | | |
| Lighting distribution | | | See | e lighting d | istribution optior | is on append | ix | | |
| Working Temperature | | | | | -40~+50°C | | | | |
| Installation diameter | | | | | 57-63mm | | | | |



MAIN FEATURES





Optional NEMA receptacle & photocell.

| Input Voltage | 100-277Vac | | | | | | | | | |
|---------------------------|-------------------|-------------------------------------|----------------------|--|----------------------|----------------------|----------------------|----------------------|--|--|
| Power factor | | 0.95 | | | | | | | | |
| Available CCT | | | | 3000K | /4000K/5000K/ | 5700K | | | | |
| Module Type | M1/ | M2 series | | | M8 series | | M16 ser | ies | | |
| Photo | | | | | | | | | | |
| Module Quantity | 1 | 2 | 3 | | 4 | 5 | 6 | 7 | | |
| Power | 40W 50W 60W | 80W 100W 120W | 120W 150W 180W | | 160W 200W 240W | 200W 250W 300W | 240W 300W 360W | 280W 350W 420W | | |
| Typical Luminous Efficacy | 105±5ln | n/W@700mA n/W@860mA /W@1050mA | | 130±5lm/W@700mA 158±5lm/W@800mA 125±5lm/W@860mA 152±5lm/W@1000mA 117±5lm/W@1050mA 145±5lm/W@1200 mA | | | | | | |
| Lighting distribution | | | TYP | EI TYPE | II TYPE III TY | PEIV TYP | ΞV | | | |
| | | | See | e lighting di | stribution option | s on appendi | х | | | |
| Working Temperature | | | | | -40~+50°C | | | | | |
| Installation diameter | | | | | 57-63mm | | | | | |

- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for various roadway applications;
- □ Whole structure heating dissipation design with excellent thermal conduction, radiation and convection; □ Flexible to reach desired power selections by choosing appropriate light engines;
- □ Tool-free onsite replacements of light engines greatly reduce maintenance cost;
- Unmatched lighting performance, driver stability and desirable lifespan;
- IP66 rated electrical compartment;
- Die-cast latches provide easy, tool-less access to the electrical compartment;









- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for various roadway applications;
- U Whole structure heating dissipation design with excellent thermal conduction, radiation and convection;
- Flexible to reach desired power selections by choosing appropriate light engines;
- □ Tool-free onsite replacements of light engines greatly reduce maintenance cost;
- Unmatched lighting performance, driver stability and desirable lifespan;
- □ IP66 rated electrical compartment;
- Die-cast latches provide easy, tool-less access to the electrical compartment;
- □ Post-top & side-entry with ±15° inclination in steps of 5°;
- Optional NEMA receptacle & photocell.

■ TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | | | | | | |
|---------------------------|-------------------|-------------------------------------|----------------------|--|----------------------|----------------------|----------------------|----------------------|
| Power factor | 0.95 | | | | | | | |
| Available CCT | | | | 3000k | (/4000K/5000K/ | 5700K | | |
| Module Type | M1/ | M2 series | | | M8 series | | M16 ser | ies |
| Photo | 1172 C | | | | | | | |
| Module Quantity | 1 | 2 | | 3 | 4 | 5 | 6 | 7 |
| Power | 40W 50W 60W | 80W 100W 120W | 120W 150W 180W | | 160W 200W 240W | 200W 250W 300W | 240W 300W 360W | 280W 350W 420W |
| Typical Luminous Efficacy | 105±5lm | n/W@700mA n/W@860mA /W@1050mA | | 130±5lm/W@700mA 158±5lm/W@800mA 125±5lm/W@860mA 152±5lm/W@1000mA 117±5lm/W@1050mA 145±5lm/W@1200 mA | | | | |
| Lighting distribution | | | TYP | EI TYPE | II TYPE III TY | PEIV TYPE | V | |
| Lighting distribution | | | Se | e lighting d | istribution option | s on appendix | | |
| Working Temperature | | | | | -40~+50°C | | | |
| Installation diameter | | | | 40-50r | nm/55-65mm/65 | -75mm | | |



MAIN FEATURES



- - Removable power door;
 - Optional NEMA receptacle & photocell.

| Input Voltage | | | |
|---------------------------|---|---------------------|-------|
| Power factor | | | |
| Available CCT | | | |
| Module Type | M1/M2 se | ries | |
| Photo | Sana Cara | 8 | |
| Module Quantity | 1 | 2 | |
| Power | 40W 50W 60W | 80W 100W 120W | |
| Typical Luminous Efficacy | 110±5lm/W@7 105±5lm/W@8 100±5lm/W@1 | 360mA | |
| Lighting distribution | | TYPE | ΞI |
| Lighting distribution | | See | e lig |
| Working Temperature | | | |
| Installation diameter | | | |
| | | | |

- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for various roadway applications;
- □ Whole structure heating dissipation design with excellent thermal conduction, radiation and convection;
- □ Flexible to reach desired power selections by choosing appropriate light engines;
- □ Tool-free onsite replacements of light engines greatly reduce maintenance cost;
- Unmatched lighting performance, driver stability and desirable lifespan;
- □ IP65 rated electrical compartment, suitable for wet location;
- Stainless steel latches provide easy, tool-less access to the electrical compartment;
- Built-in ±5° inclination in steps of 2.5° with bubble level;











- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for various roadway applications;
- □ Whole structure heating dissipation design with excellent thermal conduction, radiation and convection;
- □ Flexible to reach desired power selections by choosing appropriate light engines;
- ☐ Tool-free onsite replacements of light engines greatly reduce maintenance cost;
- Unmatched lighting performance, driver stability and desirable lifespan; □ IP66 rated electrical compartment, suitable for wet location;
- Die-cast latches provide easy, tool-less access to the electrical compartment;
- Built-in ±5° inclination in steps of 2.5° with bubble level;
- Removable door of electrical compartment;
- Optional NEMA receptacle & photocell.

■ TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | | | | | | |
|---------------------------|--|-------------------------------------|--------------------------|------------|--|--|--|--|
| Power factor | 0.95 | | | | | | | |
| Available CCT | | 3000K/4000K/ | 5000K/5700K | | | | | |
| Module Type | M1/M2 series | M8 se | eries | M16 series | | | | |
| Photo | | | | | | | | |
| Module Quantity | 1 | | 2 | | | | | |
| Power | 40W 50W 60W | | 80W 100W 120W | | | | | |
| Typical Luminous Efficacy | 110±5lm/W@700mA 105±5lm/W@860mA 100±5lm/W@1050mA | 130±5lm/W 125±5lm/W 117±5lm/W | N@860mA 152±5lm/W@1000mA | | | | | |
| Lighting distribution | TYP | EI TYPE II TYPE | E III TYPE IV TY | PE V | | | | |
| Lighting distribution | See lighting distribution options on appendix | | | | | | | |
| Working Temperature | | -40~+ | 50 °C | | | | | |
| Installation diameter | | 57-63 | 3mm | | | | | |



■ MAIN FEATURES



□ IP66 rated electrical compartment;

Optional NEMA receptacle & photocell;

| Input Voltage | | | |
|---------------------------|--|------|-------|
| Power factor | | | |
| Available CCT | | | |
| Module Type | M1/M2 series | | |
| Photo | and a stand | | |
| Module Quantity | 1 | | |
| Power | 40W 50W 60W | | |
| Typical Luminous Efficacy | 100±51m/W@700mA 95±51m/W@860mA 90±51m/W@1050mA | | |
| Lighting distribution | ٦ | TYPE | ΕI |
| Lighting distribution | | See | e lig |
| Working Temperature | | | |
| Installation diameter | | | |
| | | | |

- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for various roadway applications;
- U Whole structure heating dissipation design with excellent thermal conduction and radiation;
- Existence of the second second
- □ Tool-free onsite replacements of light engines greatly reduce maintenance cost;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Stainless steel latches provide easy, tool-less access to the electrical compartment;
- Tempered glass lens designed, easy for cleaning;
- □ Post-top & side-entry with ±15° inclination in steps of 5°.











- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for various roadway applications;
- U Whole structure heating dissipation design with excellent thermal conduction, radiation and convection;
- Flexible to reach desired power selections by choosing appropriate light engines;
- □ Tool-free onsite replacements of light engines greatly reduce maintenance cost;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Stainless steel latches provide easy, tool-less access;
- Available for mast-arm of Ø40mm & Ø60mm.

■ TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | | | | | | |
|---------------------------|-------------------|--------------------------------------|----------------------|--|----------------------|----------------------|----------------------|----------------------|
| Power factor | | | | | 0.95 | | | |
| Available CCT | | | | 3000k | (/4000K/5000K/ | 5700K | | |
| Module Type | M1/ | M2 series | | | M8 series | | M16 ser | ies |
| Photo | | | | | | | | |
| Module Quantity | 1 | 2 | 3 | | 4 | 5 | 6 | 7 |
| Power | 40W 50W 60W | 80W 100W 120W | 120W 150W 180W | | 160W 200W 240W | 200W 250W 300W | 240W 300W 360W | 280W 350W 420W |
| Typical Luminous Efficacy | 105±5lm | n/W@700mA n/W@860mA n/W@1050mA | | 130±5lm/W@700mA158±5lm/W@800mA125±5lm/W@860mA152±5lm/W@1000mA117±5lm/W@1050mA145±5lm/W@1200 mA | | | | |
| Lighting distribution | | | TYP | EI TYPE | II TYPE III TY | PE IV TYPE | V | |
| Lighting distribution | | | Se | e lighting d | stribution option | s on appendix | | |
| Working Temperature | | | | | -40~+50°C | | | |
| Installation diameter | | | | 3 | 7-43mm/57-63m | m | | |



MAIN FEATURES



| Input Voltage | 100-277Vac | | | | | | | | | |
|---------------------------|-------------------|-------------------------------------|----------------------|---------------|---|----------------------|--|----------------------|--|--|
| Power factor | 0.95 | | | | | | | | | |
| Available CCT | | | | 3000k | (/4000K/5000K/ | 5700K | | | | |
| Module Type | M1/ | M2 series | | | M8 series | | M16 ser | ies | | |
| Photo | | | | | | | | | | |
| Module Quantity | 1 | 2 | | 3 | 3 4 | | 6 | 7 | | |
| Power | 40W 50W 60W | 80W 100W 120W | 120W 150W 180W | | 160W 200W 240W | 200W 250W 300W | 240W 300W 360W | 280W 350W 420W | | |
| Typical Luminous Efficacy | 105±5lm | n/W@700mA n/W@860mA /W@1050mA | | 12 | 0±5lm/W@700n 5±5lm/W@860n 7±5lm/W@1050r | nA | 158±51m/W@ 152±51m/W@ 145±51m/W@ | 1000mA | | |
| Lighting distribution | | | TYP | EI TYPE | II TYPE III TY | PEIV TYPE | V | | | |
| Lighting distribution | | | See | e lighting di | stribution option | s on appendix | | | | |
| Working Temperature | | | | | -40~+50°C | | | | | |
| Installation diameter | | | | 40-50n | nm/55-65mm/65 | -75mm | | | | |

- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for various roadway applications;
- □ Whole structure heating dissipation design with excellent thermal conduction, radiation and convection;
- Flexible to reach desired power selections by choosing appropriate light engines; □ Tool-free onsite replacements of light engines greatly reduce maintenance cost;
- Unmatched lighting performance, driver stability and desirable lifespan;
- □ Stainless steel latches provide easy, tool-less access to the electrical compartment;
- IP66 rated electrical compartment;
- Optional NEMA receptacle & photocell;
- Post-top & side-entry with ±15° inclination in steps of 5°.









Unique patented IP68 LED light engines; ·IP66 rated electrical compartment;

Ergonomic and dedicated lighting distributions are available for various roadway applications;

- Whole structure heating dissipation design;
- Post-top & side-entry with ±15° inclination;
- Die-cast aluminum housing. Die-cast latches provide easy, tool-less access to the electrical compartment;
- Optional NEMA receptacle & photocell/shorting cap;

TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | | | | | |
|---------------------------|--|---|--|--|--|--|--|
| Power | 80W/100W/120W | | | | | | |
| Power factor | 0 | 95 | | | | | |
| Available CCT | 3000K/4000k | /5000K/5700K | | | | | |
| LED Brand | Lumileds Luxeon 3030 Customized chips from world-leading supplie | | | | | | |
| Typical Luminous Efficacy | 130±5lm/W@700mA 125±5lm/W@860mA 117±5lm/W@1050mA | 158±5lm/W@800mA 152±5lm/W@1000mA 145±5lm/W@1200mA | | | | | |
| Lighting distribution | TYPE I TYI | PE II TYPE III | | | | | |
| | See lighting distribution options on appendix | | | | | | |
| Working Temperature | -40~+50 [°] C | | | | | | |
| Installation diameter | 42-48mm/ 57-6 | 33mm/ 67-73mm | | | | | |



MAIN FEATURES



Die-cast aluminum housing. Die-cast latches provide easy, tool-less access to the electrical compartment;

Optional NEMA receptacle & photocell/shorting cap;

TECHNICAL PARAMETERS

IP66

| 100-277Vac | | | | | | | |
|--|---|--|--|--|--|--|--|
| 0.95 | | | | | | | |
| | 3000K/4000K/5000K/5700K | | | | | | |
| M1/M2 series | M1/M2 series M8 series M16 series | | | | | | |
| Concernance and the second | | | | | | | |
| 3 | 4 | 5 | | | | | |
| 120W 150W 180W | 160W 200W 240W | 200W 250W 300W | | | | | |
| 110±5lm/W@700mA 105±5lm/W@860mA 100±5lm/W@1050mA | 130±5lm/W@700mA 125±5lm/W@860mA 117±5lm/W@1050mA | 158±5lm/W@800mA 152±5lm/W@1000mA 145±5lm/W@1200 mA | | | | | |
| TYPE I TYPE II TYPE III TYPE IV TYPE V | | | | | | | |
| See lighting distribution options on appendix | | | | | | | |
| -40~+50°C | | | | | | | |
| | 40-50mm/55-65mm/65-75mm | | | | | | |
| | 3 120W 150W 180W 110±5lm/W@700mA 105±5lm/W@860mA 100±5lm/W@1050mA | 0.95 3000K/4000K/5000K/5700K M1/M2 series M8 series Image: Series Image: Series | | | | | |

Unique patented IP68 LED light engines; ·IP66 rated electrical compartment;

Ergonomic and dedicated lighting distributions are available for various roadway applications;

Whole structure heating dissipation design;

Post-top & side-entry with ±15° inclination;









- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for various roadway applications;
- U Whole structure heating dissipation design with excellent thermal conduction, radiation and convection;
- Flexible to reach desired power selections by choosing appropriate light engines;
- □ Tool-free onsite replacements of light engines greatly reduce maintenance cost;
- Unmatched lighting performance, driver stability and desirable lifespan;

Post top mounting Ø60~70 (mm).

■ TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | | | | | | |
|---------------------------|---|--|--|--|--|--|--|--|
| Power factor | 0.95 | | | | | | | |
| Available CCT | | 3000K/4000K/5000K/5700K | | | | | | |
| Module Type | M1/M2 series | M1/M2 series M8 series | | | | | | |
| Photo | Constant and | | | | | | | |
| Module Quantity | 1 | | | | | | | |
| Power | | 30W/40W/50W/60W | | | | | | |
| Typical Luminous Efficacy | 105±5lm/W@700mA 100±5lm/W@860mA 95±5lm/W@1050mA | 125±5lm/W@700mA 120±5lm/W@860mA 112±5lm/W@1050mA | 153±51m/W@800mA 147±51m/W@1000mA 140±51m/W@1200 mA | | | | | |
| Lighting distribution | TYP | EI TYPEII TYPEIII TYPEIV TY | PE V | | | | | |
| Lighting distribution | See lighting distribution options on appendix | | | | | | | |
| Working Temperature | | -40~+50°C | | | | | | |
| Installation diameter | | 60-70mm | | | | | | |



MAIN FEATURES



Post top mounting Ø60mm.

■ TECHNICAL PARAMETERS

IP67

| Input Voltage | 100-277Vac | | | | | | | |
|---------------------------|---|-----------------------------------|--|--|--|--|--|--|
| Power factor | 0.95 | | | | | | | |
| Available CCT | | 3000K/4000K/5000K/5700K | | | | | | |
| Module Type | M1/M2 series | M1/M2 series M8 series M16 series | | | | | | |
| Photo | Contraction of the second | | | | | | | |
| Module Quantity | | 2 | | | | | | |
| Power | 80W 100W 120W | | | | | | | |
| Typical Luminous Efficacy | 110±5lm/W@700mA130±5lm/W@700mA158±5lm/W@800105±5lm/W@860mA125±5lm/W@860mA152±5lm/W@1000100±5lm/W@1050mA117±5lm/W@1050mA145±5lm/W@1200 | | | | | | | |
| Lighting distribution | TYPE I TYPE II TYPE III TYPE IV TYPE V | | | | | | | |
| Lighting distribution | See lighting distribution options on appendix | | | | | | | |
| Working Temperature | | -40~+50 [°] C | | | | | | |
| Installation diameter | | 60-68mm | | | | | | |

- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for various roadway applications;
- U Whole structure heating dissipation design with excellent thermal conduction, radiation and convection; Flexible to reach desired power selections by choosing appropriate light engines;
- Tool-free onsite replacements of light engines greatly reduce maintenance cost;
- Unmatched lighting performance, driver stability and desirable lifespan;









- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for various tunnel and underpass applications;
- U Whole structure heating dissipation design with excellent thermal conduction, radiation and convection; Flexible to reach desired power selections by choosing appropriate light engines;
- □ Tool-free onsite replacements of light engines greatly reduce maintenance cost;
- Unmatched lighting performance, driver stability and desirable lifespan;
- □ 360° adjustable mounting brackets.

■ TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | | | | | | | |
|---------------------------|-------------------------|---|------------------------------------|----------------------|----------------------|----------------------|----------------------|--|--|
| Power factor | 0.95 | | | | | | | | |
| Available CCT | | | 300 | 00K/4000K/5000K/ | 5700K | | | | |
| Module Type | M1/ | M2 series | | M8 series | | M16 ser | ies | | |
| Photo | | Carden and a | | | | | | | |
| Module Quantity | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | |
| Power | 40W 50W 60W | 80W 100W 120W | 120W 150W 180W | 160W 200W 240W | 200W 250W 300W | 240W 300W 360W | 280W 350W 420W | | |
| Typical Luminous Efficacy | 105±51m | n/W@700mA n/W@860mA /W@1050mA | A 125±5lm/W@860mA 152±5lm/W@1000m/ | | | | 1000mA | | |
| Lighting distribution | TYPE I TYPE II 90° 110° | | | | | | | | |
| Lighting distribution | | See lighting distribution options on appendix | | | | | | | |
| Working Temperature | | | | -40~+50°C | | | | | |



MAIN FEATURES

CE CB RoHS WARRANTY IP67



□ Angle adjustable of ±60° with flexible brackets;

| Input Voltage | |
|---------------------------|--|
| Power factor | |
| Available CCT | |
| Module Type | M1/M2 series |
| Photo | A CONTRACT OF STATE |
| Module Quantity | 1 |
| Power | 40W 50W 60W |
| Typical Luminous Efficacy | 110±5lm/W@700mA 105±5lm/W@860mA 100±5lm/W@1050mA |
| Lighting distribution | See lig |
| Working Temperature | |
| | |

- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for various tunnel and underpass applications;
- U Whole structure heating dissipation design with excellent thermal conduction and radiation;
- Flexible to reach desired power selections by choosing appropriate light engines;
- □ Tool-free onsite replacements of light engines greatly reduce maintenance cost;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Linear design, can be applied as a wall washer;
- Tempered glass over optical lens, easy for cleaning.











Unique patented IP68 LED light engines;

- Ergonomic and dedicated lighting distributions available for various tunnel and underpass applications; U Whole structure heating dissipation design with excellent thermal conduction and radiation;
- □ Flexible to reach desired power selections by choosing appropriate light engines;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Angle adjustable with U-shape bracket;
- □ Integrated die-casting whole structure cooling system, compact mechanism;
- With reflector and driver built-in, an elegant design following traditional appearance;
- Tempered glass over optical lens, easy for cleaning.

■ TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | | | | | | |
|---------------------------|---|---------------------------------|--------------------------|---|--|--|--|--|
| Power factor | | 0.95 | | | | | | |
| Available CCT | | 3000K/4000K | /5000K/5700K | | | | | |
| Module Type | M7A-XA series | M7B-XA series | M7C-XA series | M7D-XA series | | | | |
| Photo | 1000 1000 1000 1000 | | | | | | | |
| Module Quantity | | 1 | 2 | | | | | |
| Power | 30W 40W 50W | 60W 80W | 80W 150W 100W 120W | | | | | |
| Typical Luminous Efficacy | 120±8lm/W@600mA | 120±8lm/W@600mA 135±8lm/W@600mA | | 145±8lm/W@800mA 143±8lm/W@1000mA 140±8lm/W@1200mA 135±8lm/W@1000mA | | | | |
| Lighting distribution | TYPE I TYPE II 90° 110° | | | | | | | |
| Lighting distribution | See lighting distribution options on appendix | | | | | | | |
| Working Temperature | | -40~- | +50°C | | | | | |



MAIN FEATURES



■ TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | | | | | | | | |
|---------------------------|---|-------------------------------------|----------------------|--|---|----------------------|--|----------------------|--|--|
| Power factor | | 0.95 | | | | | | | | |
| Available CCT | | | | 3000ł | 4000K/5000K/</td <td>5700K</td> <td></td> <td></td> | 5700K | | | | |
| Module Type | M1/ | M2 series | | | M8 series | | M16 ser | ies | | |
| Photo | | | | | | | | | | |
| Module Quantity | 1 | 2 | | 3 | 4 | 5 | 6 | 7 | | |
| Power | 40W 50W 60W | 80W 100W 120W | 120W 150W 180W | | 160W 200W 240W | 200W 250W 300W | 240W 300W 360W | 280W 350W 420W | | |
| Typical Luminous Efficacy | 105±5lm | n/W@700mA n/W@860mA /W@1050mA | | 130±5lm/W@700mA 125±5lm/W@860mA 117±5lm/W@1050mA | | | 158±5lm/W@800mA 152±5lm/W@1000mA 145±5lm/W@1200 mA | | | |
| Linking distributio | TYPEI TYPEII 90° 110° | | | | | | | | | |
| Lighting distribution | See lighting distribution options on appendix | | | | | | | | | |
| Working Temperature | | | | | -40~+50°C | | | | | |

Unique patented IP68 LED light engines;

Ergonomic and dedicated lighting distributions available for various tunnel and underpass applications; □ Whole structure heating dissipation design with excellent thermal conduction, radiation and convection;

Flexible to reach desired power selections by choosing appropriate light engines;

Tool-free onsite replacements of light engines greatly reduce maintenance cost;

Unmatched lighting performance, driver stability and desirable lifespan;

Angle adjustable within ±60° with flexible brackets.









Unique patented IP68 LED light engines;

- Ergonomic and dedicated lighting distributions available for various tunnel and underpass applications; U Whole structure heating dissipation design with excellent thermal conduction and radiation;
- Flexible to reach desired power selections by choosing appropriate light engines;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Angle adjustable with U-shape bracket;
- □ Integrated die-casting whole structure cooling system, compact mechanism;
- □ With reflector and driver built-in, an elegant design following traditional appearance;
- Tempered glass over optical lens, easy for cleaning.

■ TECHNICAL PARAMETERS

| 100-277 Vac |
|---|
| 30-120W |
| 0.95 |
| 3000K/4000K/5000K/5700K |
| Customized chips from world-leading supplier |
| 110-117lm/W |
| TYPE I TYPE II |
| See lighting distribution options on appendix |
| -40~+50°C |
| 40-44mm/55-65mm |
| |



MAIN FEATURES



■ TECHNICAL PARAMETERS

| Input Voltage | 100-277 Vac | | | | | | | | |
|---------------------------|--|---------------------|----------------------|--|----------------------|----------------------|----------------------|----------------------|--|
| Power factor | | | | | 0.95 | | | | |
| Available CCT | | | | 3000K/4000 | 0K/5000K/5700I | K | | | |
| Module Type | N | 11/M2 series | | Ma | series | | M16 serie | S | |
| Photo | Constant of the second second | | | | | | | | |
| Module Quantity | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| Power | 40W 50W 60W | 80W 100W 120W | 120W 150W 180W | 200W | 200W 250W 300W | 240W 300W 360W | 280W 350W 420W | 320W 400W 480W | |
| Typical Luminous Efficacy | 110±5lm/W@700mA 105±5lm/W@860mA 100±5lm/W@1050mA | | | 130±5lm/W@700mA158±5lm/W@800mA125±5lm/W@860mA152±5lm/W@1000mA117±5lm/W@1050mA145±5lm/W@1200 mA | | | | 000mA | |
| Lighting distribution | T | YPE VS 12° | 25° 40° | 60° 90° 110 | ° Lambert Type | 40°×90° 9 | 90°×40° 110°× | 40° | |
| Lighting distribution | See lighting distribution options on appendix | | | | | | | | |
| Working Temperature | | | | -4(|)~+50 ℃ | | | | |

Ergonomic and dedicated lighting distributions available for warehouse, workshop, hall lighting, etc;

U Whole structure heating dissipation design with excellent thermal conduction, radiation and convection;

Flexible to reach desired power selections by choosing appropriate light engines;

□ Tool-free onsite replacements of light engines greatly reduce maintenance cost;

Unmatched lighting performance, driver stability and desirable lifespan;

Maximum 360° adjustable mounting brackets.









- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for warehouse, workshop, hall lighting, etc;
- Whole structure heating dissipation design with excellent thermal conduction, radiation and convection;
- Flexible to reach desired power selections by choosing appropriate light engines; □ Tool-free onsite replacements of light engines greatly reduce maintenance cost;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Optional stainless steel bracket for harsh environment;
- Upgraded and further simplified structure design;
- Angle adjustable within ±60° with mounting brackets.

■ TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | | | | | | | |
|---------------------------|---|---|----------------------|--|----------------------|----------------------|----------------------|----------------------|--|
| Power factor | | | | | 0.95 | | | | |
| Available CCT | | | | 3000K/4000 | K/5000K/5700 | K | | | |
| Module Type | Ν | 11/M2 series | | M8 | series | | M16 serie | s | |
| Photo | Constant Constant of Constant | | | | | | | | |
| Module Quantity | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| Power | 40W 50W 60W | 80W 100W 120W | 120W 150W 180W | 160W 200W 240W | 200W 250W 300W | 240W 300W 360W | 280W 350W 420W | 320W 400W 480W | |
| Typical Luminous Efficacy | 110±5lm/W@700mA 105±5lm/W@860mA 100±5lm/W@1050mA | | | 130±5lm/W@700mA 158±5lm/W@800m/ 125±5lm/W@860mA 152±5lm/W@1000m 117±5lm/W@1050mA 145±5lm/W@1200 m | | | 000mA | | |
| Lighting distribution | Т | YPE VS 12° | | | 21 | e 40°×90° 90 | 0°×40° 110°× | 40° | |
| | | See lighting distribution options on appendix | | | | | | | |
| Working Temperature | | | | -40 | ~+50 ℃ | | | | |



MAIN FEATURES



■ TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | | | | | | |
|---------------------------|---|---------------------------------|------------------------|--|--|--|--|--|
| Power factor | | 0.95 | | | | | | |
| Available CCT | | 3000K/4000K/5000K/5700K | | | | | | |
| Module Type | M1/M2 series | M8 series | M16 series | | | | | |
| Photo | A CONTRACT OF A | | | | | | | |
| Module Quantity | 2 | 3 | 4 | | | | | |
| Power | 80W 100W 120W | 120W 150W 180W | 160W 200W 240W | | | | | |
| Typical Luminous Efficacy | 110±5lm/W@700mA 105±5lm/W@860mA 100±5lm/W@1050mA | 105±5lm/W@860mA 125±5lm/W@860mA | | | | | | |
| Lighting distribution | TYPE VS 12° 25° 40° | ° 60° 90° 110° Lambert Type 40° | °×90° 90°×40° 110°×40° | | | | | |
| | Lighting distribution See lighting distribution options on appendix | | | | | | | |
| Working Temperature | | -40~+50°C | | | | | | |

Unique patented IP68 LED light engines;

Ergonomic and dedicated lighting distributions available for warehouse, workshop, hall lighting, etc;

U Whole structure heating dissipation design with excellent thermal conduction, radiation and convection;

Flexible to reach desired power selections by choosing appropriate light engines; Tool-free onsite replacements of light engines greatly reduce maintenance cost;

Unmatched lighting performance, driver stability and desirable lifespan;

Round housing with optional mounting methods: hook, pendent, or surface mount.









Unique patented IP68 LED light engines;

- Ergonomic and dedicated lighting distributions available for warehouse, workshop, hall lighting, etc;
- Whole structure heating dissipation design with excellent thermal conduction, radiation and convection;
- Flexible to reach desired power selections by choosing appropriate light engines;
- □ Tool-free onsite replacements of light engines greatly reduce maintenance cost;
- Unmatched lighting performance, driver stability and desirable lifespan;
- IP65 rated electrical compartment;
- Upgrade die-casting design to achieve high reliability;
- Round housing with optional mounting methods: hook, pendent, or surface mount.

■ TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | | | | | |
|---------------------------|--|--------------|---|------------|--|--|--|
| Power factor | | 0. | 95 | | | | |
| Available CCT | | 3000K/4000K | /5000K/5700K | | | | |
| Module Type | M1/M2 series | M8 s | eries | M16 series | | | |
| Photo | Contraction of the second | | | | | | |
| Module Quantity | 5 | | 6 | | | | |
| Power | 200W 250W 300W | | 240W 300W 360W | | | | |
| Typical Luminous Efficacy | 110±5lm/W@700mA 105±5lm/W@860mA 100±5lm/W@1050mA | 125±5lm/V | 130±5lm/W@700mA 158±5lm/W@800m 125±5lm/W@860mA 152±5lm/W@1000n 117±5lm/W@1050mA 145±5lm/W@1200 r | | | | |
| Lighting distribution | TYPE VS 12° 25° 40° | 60° 90° 110° | 10° Lambert Type 40°×90° 90°×40° 110°×40° | | | | |
| Lighting distribution | See lighting distribution options on appendix | | | | | | |
| Working Temperature | | -40~ | +50°C | | | | |



MAIN FEATURES



Superior efficiency with an average of 150lm/W;

- Effectively replaces HID products of 70-400W; Optional metal or PC reflectors;

| Input Voltage | 100-277 Vac | | | | | | | |
|---------------------------|---|---|---------------|--|--|--|--|--|
| Power factor | | 0 | .95 | | | | | |
| Available CCT | | 3000K/4000K | K/5000K/5700K | | | | | |
| Module Type | M15A-XB series | M15A-XB series M15B-XB series M15C-XB series M15A-XB series | | | | | | |
| Photo | - | | | | | | | |
| Module Quantity | 1 | | | | | | | |
| Power | | 40W-2 | 200W | | | | | |
| Typical Luminous Efficacy | 135±8lm/W@40W 120±8lm/W@60W 135±8lm/W@60W 143±8lm/W@18 120±8lm/W@50W 125±8lm/W@60W 150±8lm/W@100W 135±8lm/W@18 120±8lm/W@50W 125±8lm/W@80W 143±8lm/W@18 143±8lm/W@18 120±8lm/W@50W 125±8lm/W@80W 143±8lm/W@18 143±8lm/W@18 120±8lm/W@150W 143±8lm/W@18 143±8lm/W@28 143±8lm/W@28 | | | | | | | |
| Lighting distribution | 60° 90° | | | | | | | |
| Lighting distribution | See lighting distribution options on appendix | | | | | | | |
| Working Temperature | -40~+50 [°] C | | | | | | | |

- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for warehouse, workshop, hall lighting, etc;
- Whole structure heating dissipation design with excellent thermal conduction and radiation;
- Flexible to reach desired power selections by choosing appropriate light engines;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Compact light weight construction for easy installation.









Unique patented IP68 LED light engines;

- Ergonomic and dedicated lighting distributions available for warehouse, workshop, hall lighting, etc;
- U Whole structure heating dissipation design with excellent thermal conduction and radiation;
- Flexible to reach desired power selections by choosing appropriate light engines;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Low-profile, lightweight design provides ease of installation;
- Optional bottom cover offers enhanced up light and maximum uniformity

■ TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | | | | | | |
|---------------------------|---|---|---------------|--|--|--|--|--|
| Power factor | | 0. | .95 | | | | | |
| Available CCT | | 3000K/4000K | (/5000K/5700K | | | | | |
| Module Type | M15A-XB series | M15A-XB series M15B-XB series M15C-XB series M15A-XB series | | | | | | |
| Photo | - | | | | | | | |
| Module Quantity | 1 | | | | | | | |
| Power | | 40W- | 200W | | | | | |
| Typical Luminous Efficacy | 115±8lm/W@40W 102±8lm/W@50W | 115+8lm/W@180W | | | | | | |
| Lighting distribution | 60° 90° | | | | | | | |
| Lighting distribution | See lighting distribution options on appendix | | | | | | | |
| Working Temperature | -40~+50°C | | | | | | | |



MAIN FEATURES





| Input Voltage | 100-277Vac | | | | | | | |
|---------------------------|---|----------------|--------------|--|--|--|--|--|
| Power Factor | | 0.9 | 95 | | | | | |
| Available CCT | | 3000K/4000K/ | /5000K/5700K | | | | | |
| Power | | 30W-2 | 200W | | | | | |
| Lamp Model | TF9A TF9B TF9C TF9D | | | | | | | |
| Typical Luminous Efficacy | 140±5lm/W@50W | 140±8lm/W@180W | | | | | | |
| Lighting distribution | 60° 90° | | | | | | | |
| | See lighting distribution options on appendix | | | | | | | |
| Working Temperature | | -40~- | +50°C | | | | | |

- Unique patented IP68 (highest protection level) LED light engines;
- Ergonomic and dedicated lighting distributions available for warehouse, workshop, hall lighting, etc;
- U Whole structure heating dissipation design with best thermal conduction and radiation;
- Flexible to reach desired power selections by choosing appropriate light engines;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Superior efficiency with an average of 150lm/W;
- Effectively replaces HID products of 70-400W;
- Compact light weight construction for easy installation.









- Unique patented IP68 (highest protection level) LED light engines;
- Ergonomic and dedicated lighting distributions available for warehouse, workshop, hall lighting, etc;
- □ Whole structure heating dissipation design with best thermal conduction and radiation;
- Flexible to reach desired power selections by choosing appropriate light engines;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Superior efficiency with an average of 120lm/W;
- Compact light weight construction for easy installation.



MAIN FEATURES



■ TECHNICAL PARAMETERS

| Input Voltage | 100-240Vac | | | | | | |
|---------------------------|---|----------------------------------|--|--|--|--|--|
| Power factor | | 0.95 | | | | | |
| Available CCT | | 3000K/4000K/5000K/5700K | | | | | |
| Model Name | TF28B TF28C TF28D | | | | | | |
| Power | Maximum 100W | Maximum 150W | Maximum 240W | | | | |
| Typical Luminous Efficacy | 137±81m/W@80W 130±8lm/W@100W | 125±81m/W@120W 135±8lm/W@150w | 135±81m/W@180W 130±81m/W@200W 130±81m/W@240W | | | | |
| Lighting distribution | 60° 90° | | | | | | |
| Lighting distribution | See lighting distribution options on appendix | | | | | | |
| Working Temperature | -40~+50 [°] C | | | | | | |
| | | | | | | | |

■ TECHNICAL PARAMETERS

| Input Voltage | 200-277Vac | | | | | | | |
|---------------------------|---|-------------------------|--------------|--|--|--|--|--|
| | | | ~~~~~ | | | | | |
| Power Factor | | 0. | 95 | | | | | |
| Available CCT | | 3000K/4000K/ | /5000K/5700K | | | | | |
| Power | | 50W- | 200W | | | | | |
| Lamp Model | TF21A | TF21A TF21B TF21C TF21D | | | | | | |
| Typical Luminous Efficacy | 125±8lm/W@50W 120±8lm/W@60W | | | | | | | |
| Lighting distribution | 60° 90° | | | | | | | |
| Lighting distribution | See lighting distribution options on appendix | | | | | | | |
| Working Temperature | | -40~- | +45°C | | | | | |

U Whole structure heating dissipation design with radiator fins, excellent thermal conduction and radiation; Ergonomic and dedicated lighting distributions are available for warehouse, workshop, hall lighting, etc; Unmatched lighting performance, driver stability, and desirable lifespan;











- Ergonomic and dedicated lighting distributions available for warehouse, workshop, hall lighting, etc;
- U Whole structure heating dissipation design with excellent thermal conduction, radiation and convection;
- Flexible to reach desired power selections by choosing appropriate light engines;
- □ Tool-free onsite replacements of light engines greatly reduce maintenance cost;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Angle adjustable within 360° with mounting brackets.

■ TECHNICAL PARAMETERS

| Input Voltage | 100-277 Vac | | | | | | | |
|---------------------------|--|---------------------|----|--|--------------|----------------|--|--|
| Power factor | | | | 0.95 | | | | |
| Available CCT | | | 30 | 00K/4000K/5000K/570 | 00K | | | |
| Module Type | M31A-XA s | eries | | M31A-XB series | N | 131A-XC series | | |
| Photo | | | | | 1 | | | |
| Module Quantity | 1 | 2 | | 3 | 4 | 5 | | |
| Power | 40W 50W 60W | 80W 100W 120W | | 120W 150W 180W | 160W 200W | 200W | | |
| Typical Luminous Efficacy | 110±5lm/W@700mA 105±5lm/W@860mA 100±5lm/W@1050mA | | | 158±5lm/W@800mA 130±5lm/W@70 152±5lm/W@1000mA | | | | |
| Lighting distribution | TYPE VS 12° 25° 40° 60° 90° 110° Lambert Type 40°×90° 90°×40° 110°×40° | | | | | | | |
| Lighting distribution | See lighting distribution options on appendix | | | | | | | |
| Working Temperature | | | | -40~+50°C | | | | |



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Ra ≥70 5 Unmatched lighting performance, driver stability and desirable lifespan; Angle adjustable within ±60° with mounting brackets.

■ TECHNICAL PARAMETERS

IP67

| Input Voltage | 100-277Vac | | | | | | | |
|---------------------------|--|---|---|--|----------------------|----------------------|----------------------|----------------------|
| Power factor | | | | | 0.95 | | | |
| Available CCT | | | | 3000k | K/4000K/5000K | /5700K | | |
| Module Type | M1/ | M2 series | | | M8 series | | M16 ser | ies |
| Photo | | | | | | | | |
| Module Quantity | 1 | 2 | 3 | | 4 | 5 | 6 | 7 |
| Power | 40W 50W 60W | 80W 100W 120W | | 120W 150W 180W | 160W 200W 240W | 200W 250W 300W | 240W 300W 360W | 280W 350W 420W |
| Typical Luminous Efficacy | 110±5lm/W@700mA 105±5lm/W@860mA 100±5lm/W@1050mA | | | 130±5lm/W@700mA158±5lm/W@800mA125±5lm/W@860mA152±5lm/W@1000mA117±5lm/W@1050mA145±5lm/W@1200 mA | | | | |
| Lighting distribution | TYPE VS 12° 25° 40° 60° 90° 110° Lambert Type 40°×90° 90°×40° 110°×40° | | | | | | | |
| | | See lighting distribution options on appendix | | | | | | |
| Working Temperature | | | | | -40~+50°C | | | |

MAIN FEATURES

Unique patented IP68 LED light engines;

Ergonomic and dedicated lighting distributions available for warehouse, workshop, hall lighting, etc;

Whole structure heating dissipation design with excellent thermal conduction, radiation and convection;

Flexible to reach desired power selections by choosing appropriate light engines;

Tool-free onsite replacements of light engines greatly reduce maintenance cost;









- Unique patented IP68 LED light engines; Ergonomic and dedicated lighting distributions available for stadium, building and area lighting, etc;
- U Whole structure heating dissipation design with excellent thermal conduction, radiation and convection;
- Flexible to reach desired power selections by choosing appropriate light engines;
- □ Tool-free onsite replacements of light engines greatly reduce maintenance cost;
- Effectively replaces HID products of 70-2000W.



MAIN FEATURES



■ TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | | | | | | | | |
|---------------------------|--|---|----------------------|--|----------------|----------------------|----------------------|-------------------|----------|----------------------|
| Power factor | | | | | (|).95 | | | | |
| Available CCT | | | | 3000K | /4000 | K/5000K/5700k | (| | | |
| Module Type | N | 11/M2 series | | | M8 | series | | M16 | 6 series | \$ |
| Photo | Constant of the second second | | | | | | | | | |
| Module Quantity | 1 | 2 | 3 | | 4 | 5 | 6 | 7 | | 8 |
| Power | 40W 50W 60W | 80W 100W 120W | 120W 150W 180W | / 20 | 0W 0W 0W | 200W 250W 300W | 240W 300W 360W | 280 350 420 | W | 320W 400W 480W |
| Typical Luminous Efficacy | 110±5lm/W@700mA 105±5lm/W@860mA 100±5lm/W@1050mA | | | 130±5lm/W@700mA 158±5lm/W@800mA 125±5lm/W@860mA 152±5lm/W@1000m/ 117±5lm/W@1050mA 145±5lm/W@1200 m/ | | | | 00mA | | |
| | TYPE VS 12° 25° 40° 60° 90° 110° Lambert Type 40°×90° 90°×40° 110°×40° | | | | | | l0° | | | |
| Lighting distribution | | See lighting distribution options on appendix | | | | | | | | |
| Working Temperature | | | | | -40 | ~+50 ℃ | | | | |

■ TECHNICAL PARAMETERS

| Input Voltage | | 100-277Vac | | | | | | | | | | |
|---------------------------|--|--|----------|----------------------|----------------------|----------------------|----------------------|----------------------|---|----------------------|----------------------|----|
| Power factor | | | | | | 0 | .95 | | | | | |
| Available CCT | | | | | 3000 | 0K/4000k | C/5000K/5 | 5700K | | | | |
| Module Type | | M1/M2 | 2 series | | | M8 s | eries | | | M16 | series | |
| Photo | | | | | | | | | | | | |
| Module Quantity | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 12 | 14 | 16 |
| Power | 40W 50W 60W | 50W 100W 150W 200W | | 200W 250W 300W | 240W 300W 360W | 280W 350W 420W | 320W 400W 480W | 400W 500W 600W | 480W 600W 720W | 560W 700W 840W | 640W 800W 960W | |
| Typical Luminous Efficacy | 110±5lm/W@700mA 105±5lm/W@860mA 100±5lm/W@1050mA | | | | 125±5lm/W@860mA 152 | | | | 58±51m/W@800mA 52±51m/W@1000mA I5±51m/W@1200 mA | | | |
| Lighting distribution | | TYPE VS 12° 25° 40° 60° 90° 110° Lambert Type 40°×90° 90°×40° 110°×40° | | | | | | | | | | |
| Lighting distribution | | | | Se | e lighting | distributio | on options | s on appe | ndix | | | |
| Working Temperature | | | | | | -40~ | +50°C | | | | | |

Unique patented IP68 LED light engines;

Ergonomic and dedicated lighting distributions available for stadium, building and area lighting, etc;

U Whole structure heating dissipation design with excellent thermal conduction, radiation and convection; Flexible to reach desired power selections by choosing appropriate light engines;

☐ Tool-free onsite replacements of light engines greatly reduce maintenance cost;

Unmatched lighting performance, driver stability and desirable lifespan;

Optional stainless steel bracket for harsh environment;

Upgraded and further simplified structure design;

☐ Angle adjustable within ±60° with mounting brackets.









Unique patented IP68 LED light engines;

Ergonomic and dedicated lighting distributions available for building and area lighting, etc;

- U Whole structure heating dissipation design with excellent thermal conduction and radiation;
- Flexible to reach desired power selections by choosing appropriate light engines;
- Unmatched lighting performance, driver stability and desirable lifespan;
- ±90° adjustable mounting bracket for easy installation.



MAIN FEATURES





■ TECHNICAL PARAMETERS

| Input Voltage | | |
|---------------------------|--|-----|
| Power factor | | |
| Available CCT | | |
| Module Type | M1/M2 series | |
| Photo | Constant and the second | |
| Module Quantity | 1 | |
| Power | 40W 50W 60W | |
| Typical Luminous Efficacy | 110±5lm/W@700mA 105±5lm/W@860mA 100±5lm/W@1050mA | |
| Lighting distribution | TYPE VS 12° 25° 40° | 2 |
| Lighting distribution | Se | e l |
| Working Temperature | | |
| | | |

| Input Voltage | 100-277Vac | | | | | |
|---------------------------|--|--|--|--|--|--|
| Power Factor | 0. | 95 | | | | |
| Available CCT | 3000K/4000K | /5000K/5700K | | | | |
| Power | 40W | -60W | | | | |
| LED brand | Lumileds Luxeon TX | Lumileds Luxeon 3030 | | | | |
| Typical Luminous Efficacy | 105±5lm/W@700mA 100±5lm/W@860mA 95±5lm/W@1050mA | 125±5lm/W@700mA 120±5lm/W@860mA 112±5lm/W@1050mA | | | | |
| Lighting distribution | TYPE VS 12° 25° 40° 60° 90° 110° Lambert Type 110°×40° | | | | | |
| | See lighting distribution options on appendix | | | | | |
| Working Temperature | -40~ | +50°C | | | | |

- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for stadium, building and area lighting, etc;
- U Whole structure heating dissipation design with excellent thermal conduction, radiation and convection;
- Flexible to reach desired power selections by choosing appropriate light engines;
- □ Tool-free onsite replacements of light engines greatly reduce maintenance cost;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Tilt bracket avoids light-blocking by itself;
- Mounting bracket adjustable in both vertical and horizontal directions;
- □ Thickened bracket to strengthen fixture mechanism;
- Effectively replaces HID products of 70-400W.











- Unique patented IP68 LED light engines;
- Compact light weight construction for easy handling and installation;
- Ergonomic and dedicated lighting distributions are available for various scenic area lighting, wall & billboard lighting, etc;
- Whole structure heating dissipation design;
- ☐ Angle adjustable within 360°;
- Optional knobs, anti-dropping ropes and stainless steel bracket.

■ TECHNICAL PARAMETERS

| Input Voltage | 100-240Vac | | | | | |
|---------------------------|---|---|--|--|--|--|
| Power | 40W/50 | 40W/50W/60W | | | | |
| Power factor | 0. | 95 | | | | |
| Available CCT | 3000K/4000K | /5000K/5700K | | | | |
| Optics | With PC Lens | With Reflectors | | | | |
| Typical Luminous Efficacy | 150±8lm/W@40W 143±8lm/W@50W 135±8lm/W@60W | 142±8lm/W@40W 135±8lm/W@50W 128±8lm/W@60W | | | | |
| Lighting distribution | 25° 60° 90° 90° x40° | 60° x60° 80° x80° 80° x50° | | | | |
| | See lighting distribution options on appendix | | | | | |
| Working Temperature | -40~- | +50°C | | | | |



MAIN FEATURES



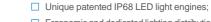
| Input Voltage | 100-240Vac | | | | | | |
|---------------------------|---|---|--|--|--|--|--|
| Power | 80W/100 | 80W/100W/120W | | | | | |
| Power factor | 0.4 | 95 | | | | | |
| Available CCT | 3000K/4000K/ | /5000K/5700K | | | | | |
| Optics | With PC Lens | With Reflectors | | | | | |
| Typical Luminous Efficacy | 158±8lm/W@80W 152±8lm/W@100W 145±8lm/W@120W | 152±8lm/W@80W 145±8lm/W@100W 138±8lm/W@120W | | | | | |
| Lighting distribution | 25° 40° 60° 90° 120° 90° x40° | 60° x60° 80° x80° | | | | | |
| Lighting distribution | See lighting distribution options on appendix | | | | | | |
| Working Temperature | -40~+50°C | | | | | | |

- Unique patented IP68 LED light engines;
- Compact light weight construction for easy handling and installation;
- Ergonomic and dedicated lighting distributions are available for various scenic area lighting,
- wall & billboard lighting, etc;
- Whole structure heating dissipation design;
- ☐ Angle adjustable within 360°;
- Optional knobs, anti-dropping ropes and stainless steel bracket.









- Ergonomic and dedicated lighting distributions available for stadium, building and area lighting, etc; □ Whole structure heating dissipation design with excellent thermal conduction, radiation and convection;
- Flexible to reach desired power selections by choosing appropriate light engines;
- Tool-free onsite replacements of light engines greatly reduce maintenance cost;
- Unmatched lighting performance, driver stability and desirable lifespan;
- ☐ Angle adjustable within ±60° with mounting brackets.

■ TECHNICAL PARAMETERS

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Ra ≥70

IP67

| Input Voltage | | 100-277Vac | | | | | | | |
|---------------------------|---|---------------------|---|----------------------|---|----------------------|----------------------|--------------------------------------|--|
| Power factor | 0.95 | | | | | | | | |
| Available CCT | | | | 3000 | 4000K/5000K</td <td>/5700K</td> <td></td> <td></td> | /5700K | | | |
| Module Type | M1/ | M2 series | | | M8 series | | M1 | 6 series | |
| Photo | | | | | | | | | |
| Module Quantity | 1 | 2 | | 3 | 4 | 5 | 6 | 7 | |
| Power | 40W 50W 60W | 80W 100W 120W | 1 | 120W 150W 180W | 160W 200W 240W | 200W 250W 300W | 240W 300W 360W | 350W | |
| Typical Luminous Efficacy | 110±5lm/W@700mA 105±5lm/W@860mA 100±5lm/W@1050mA | | | 12 | 0±5lm/W@700r 5±5lm/W@860r 7±5lm/W@1050r | nA | 152±51m | n/W@800mA /W@1000mA /W@1200 mA | |
| Lighting distribution | TYPE VS 12° 25° 40° 60° 90° 110° Lambert Type 40°×90° 90°×40° 110°×40° See lighting distribution options on appendix | | | | | | 110°×40° | | |
| Working Temperature | | | | | -40~+50°C | | | | |



MAIN FEATURES



■ TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | | | | | | | |
|---------------------------|---|--|----|----------------------|-------|--------------|-------------|--|--|
| Power factor | | 0.95 | | | | | | | |
| Available CCT | | | 30 | 00K/4000K/5000K/ | 5700K | | | | |
| Module Type | M31A-XA s | eries | | M31A-XB series | | M31 | A-XC series | | |
| Photo | | | | | | | | | |
| Module Quantity | 1 | 2 | | 3 | | 4 | 5 | | |
| Power | 40W 50W 60W | 80W 100W 120W | | 120W 150W 180W | | 160W 200W | 200W | | |
| Typical Luminous Efficacy | 110±5lm/W@7 105±5lm/W@8 100±5lm/W@1 | 158±5lm/W@800mA n/W@860mA 152±5lm/W@1000mA | | | 130±5 | lm/W@700mA | | | |
| Lighting distribution | TYPE VS 12° 25° 40° 60° 90° 110° Lambert Type 40°×90° 90°×40° 110°×40° See lighting distribution options on appendix | | | | | ° 110°×40° | | | |
| Working Temperature | | | | -40~+50°C | | | | | |

Unique patented IP68 LED light engines;

Ergonomic and dedicated lighting distributions available for stadium, building and area lighting, etc;

 $\hfill\square$ Whole structure heating dissipation design with excellent thermal conduction, radiation and convection; Flexible to reach desired power selections by choosing appropriate light engines;

Tool-free onsite replacements of light engines greatly reduce maintenance cost;

Unmatched lighting performance, driver stability and desirable lifespan;

☐ Angle adjustable within ±360° with mounting brackets.









- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for gas station lighting;
- □ Whole structure heating dissipation design with excellent thermal conduction, radiation and convection;
- Flexible to reach desired power selections by choosing appropriate light engines;
- Tool-free onsite replacements of light engines greatly reduce maintenance cost; Unmatched lighting performance, driver stability and desirable lifespan;
- Customizable housing dimensions.

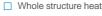
■ TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | | | | | |
|---------------------------|---|-------------------------------------|----------------------|--|--|--|--|
| Power factor | | 0. | 95 | | | | |
| Available CCT | | 3000K/4000K | /5000K/5700K | | | | |
| Module Type | M1/M2 series | M8 s | eries | M16 series | | | |
| Photo | Same Same | | | Annual Manual | | | |
| Module Quantity | 2 | | 3 | | | | |
| Power | 80W 100W 120W | | 120W 150W 180W | | | | |
| Typical Luminous Efficacy | 110±5lm/W@700mA 105±5lm/W@860mA 100±5lm/W@1050mA | 130±5lm/V 125±5lm/V 117±5lm/W | | 158±5lm/W@800mA 152±5lm/W@1000mA 145±5lm/W@1200 mA | | | |
| Lighting distribution | TYPE VS 12° 25° 40° 60° 90° 110° Lambert Type 40°×90° 90°×40° 110°×40° See lighting distribution options on appendix | | | | | | |
| Working Temperature | -40~+50°C | | | | | | |



MAIN FEATURES

| CE | CB | RoHS |
|------|-----------|----------|
| IP67 | Ra ≽70 | WARRANTY |



■ TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | | | | | |
|---------------------------|--|--|--|--|--|--|--|
| Power factor | | 0.95 | | | | | |
| Available CCT | | 3000K/4000K/5000K/5700K | | | | | |
| Power | | 80W-120W | | | | | |
| Module Quantity | | 1-2 Modules | | | | | |
| Module Type | M1/M2 series | M8 series | M16 series | | | | |
| Photo | Constant and the | | | | | | |
| Module Quantity | 1 | 2 | 3 | | | | |
| Power | 40W 50W 60W | 80W 100W 120W | 120W 150W | | | | |
| Typical Luminous Efficacy | 110±5lm/W@700mA 105±5lm/W@860mA 100±5lm/W@1050mA | 130±5lm/W@700mA 125±5lm/W@860mA 117±5lm/W@1050mA | 158±51m/W@800mA 152±51m/W@1000mA 145±51m/W@1200 mA | | | | |
| Lighting distribution | TYPE VS 12° 25° 40° | 60° 90° 110° Lambert Type 40 | °×90° 90°×40° 110°×40° | | | | |
| Lighting distribution | See lighting distribution options on appendix | | | | | | |
| Working Temperature | | -40~+50°C | | | | | |

Unique patented IP68 LED light engines;

Ergonomic and dedicated lighting distributions available for gas station lighting;

U Whole structure heating dissipation design with excellent thermal conduction, radiation and convection; Unmatched lighting performance, driver stability and desirable lifespan.









- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for airport lighting;
- U Whole structure heating dissipation design with excellent thermal conduction and radiation;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Optimized industrial design against accumulation of water and dust
- IP66 rated electrical compartment.
- Tempered glass with impact resistance rating of IK09.



MAIN FEATURES



Full power range solutions up to 1500W;

TECHNICAL PARAMETERS

| Input Voltage | | |
|---------------------------|--|------|
| Power factor | | |
| Available CCT | | |
| Module Type | M25A-XA series | |
| Photo | | |
| Module Quantity | 2 | |
| Module Type | 300W 400W 500W | |
| Typical Luminous Efficacy | 112±5lm/W@1000m/ 107±5lm/W@1350m/ 102±5lm/W@1750m/ | A |
| Lighting distribution | See | e li |
| Working Temperature | | |
| | | |

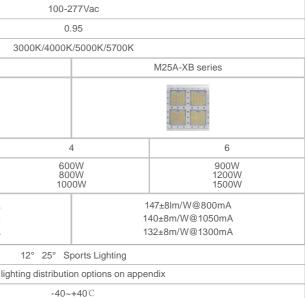
■ TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | | | | |
|---------------------------|---|-----------------|--|--|--|--|
| Power factor | 0. | 0.95 | | | | |
| Available CCT | 3000K/4000K | :/5000K/5700K | | | | |
| Power | 500W | | | | | |
| Typical Luminous Efficacy | 102±5lm/W@1750mA | 140±8m/W@1300mA | | | | |
| Lighting distribution | 12° 25° Sports Lighting | | | | | |
| Lighting distribution | See lighting distribution options on appendix | | | | | |
| Working Temperature | -40~ | +50°C | | | | |

Unique patented IP68 LED light engines;

- Ergonomic and dedicated lighting distributions available for sports facilities lighting;
- U Whole structure heating dissipation design with excellent thermal conduction and radiation;
- Professional lighting distribution design for stadium applications;
- Optimized industrial design against accumulation of water and dust;
- Thickened stainless steel bracket and gear angle adjusting device ensure long-term stable performance;
- Mounting bracket 180° adjustable in both vertical and horizontal directions;
- Ra80,Ra90 chips are available to meet high lighting requirements;

Optional IP66 driver box.









- Unique patented IP68 (highest protection level) LED light engines;
- Ergonomic and dedicated lighting distributions available for various retrofit applications;
 Whole structure heating dissipation design with best thermal conduction, radiation and convection;
- □ Flexible to reach desired power selections by choosing appropriate light engines;
- Tool-free onsite replacements of light engines greatly reduce maintenance cost;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Customizable sheet dimensions and finishing color.

■ TECHNICAL PARAMETERS

| Input Voltage | 100-277Vac | | | | | | |
|---------------------------|--|--|---|--|--|--|--|
| Power factor | | 0.95 | | | | | |
| Available CCT | | 3000K/4000K/5000K/5700K | | | | | |
| Module Type | M1/M2 series | M8 series | M16 series | | | | |
| Photo | Contraction of the second | | | | | | |
| Module Quantity | 1 | 2 | | | | | |
| Power | 40W 50W 60W | 80W 100W 120W | | | | | |
| Typical Luminous Efficacy | 110±5lm/W@700mA 105±5lm/W@860mA 100±5lm/W@1050mA | 130±5lm/W@700mA 125±5lm/W@860mA 117±5lm/W@1050mA | 158±51m/W@800mA 152±51m/W@1000mA 145±51m/W@1200mA | | | | |
| Lighting distribution | TYPE VS 12° 25° 40° | 60° 90° 110° Lambert Type 40° | ×90° 90°×40° 110°×40° | | | | |
| Lighting distribution | See lighting distribution options on appendix | | | | | | |
| Working Temperature | | -40~+50°C | | | | | |

■ TRADITIONAL RETROFIT OPERATION GUIDE



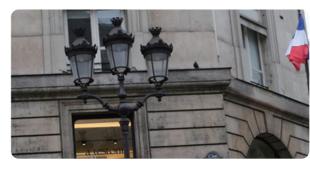






RETROFIT CASES













ASYMMETRIC LIGHTING DISTRIBUTIONS

| IESNA TYPE | TYPE I | TYPE II | TYPE III | TYPE IV | TYPE V |
|---------------------------------------|--------------|--------------|--------------|--------------|--------------|
| CURVES | | | | | |
| M1A | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark |
| M2A | \checkmark | \checkmark | | | \checkmark |
| M5A | \checkmark | | | | |
| M6A | | \checkmark | | | \checkmark |
| M6C | | \checkmark | | | \checkmark |
| M7A | \checkmark | \checkmark | | | |
| M7B | \checkmark | \checkmark | \checkmark | | |
| M8B | \checkmark | \checkmark | \checkmark | | \checkmark |
| M12A | \checkmark | \checkmark | \checkmark | | \checkmark |
| M16B | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark |
| M18A | | \checkmark | | | |
| M19A | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark |
| M20A | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark |
| M35A | \checkmark | | | | |
| T1M/T1W/T29A STREET LIGHT | \checkmark | | | | |
| T1Q/T28D/T29B/T85A STREET LIGHT | \checkmark | \checkmark | \checkmark | | |
| T1H STREET LIGHT | \checkmark | | | | |
| T1P/T29C/T85BCD /T99C STREET LIGHT | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark |
| T1D STREET LIGHT | \checkmark | \checkmark | \checkmark | | |

SYMMETRIC LIGHTING DISTRIBUTIONS

| BEAM ANGLE (50%) | 12° | 25° | 40° | 60° | 90° | 110° | LAMBERTIAN |
|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| CURVES | | | | | | | |
| M1A | | \checkmark | \checkmark | \checkmark | | \checkmark | \checkmark |
| M2A | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | | \checkmark |
| M8B | | \checkmark | \checkmark | \checkmark | \checkmark | | \checkmark |
| M11A | | | | | \checkmark | | \checkmark |
| M15A B C D | | | | \checkmark | \checkmark | | |
| M12A | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | | \checkmark |
| M16B | | \checkmark | \checkmark | \checkmark | \checkmark | | \checkmark |
| M18A | | | \checkmark | \checkmark | \checkmark | | |
| M19A | | \checkmark | \checkmark | \checkmark | \checkmark | | \checkmark |
| M20A | | \checkmark | \checkmark | \checkmark | \checkmark | | \checkmark |
| M23A | | | | | | | \checkmark |
| M28A | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | | \checkmark |

SPECIAL LIGHTING DISTRIBUTION

| APPLICATION | TUNNEL LIGHTING | SQUARE LIGHTING | BILLBOARD LIGHTING | SPORT LIGHTING | AISLE LIGHTING |
|-------------|--------------------|--------------------|-----------------------|-------------------|-------------------|
| CURVES | | | | | |
| M1A | \checkmark | \checkmark | | \checkmark | |
| M2A | | | \checkmark | | \checkmark |
| M6A | \checkmark | | | | |
| M7A | | | | \checkmark | |
| M7B | \checkmark | | | \checkmark | |
| M8A B C D | \checkmark | | | | |
| M12A | | | \checkmark | | |
| M16B | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark |
| M28A | | \checkmark | \checkmark | | |

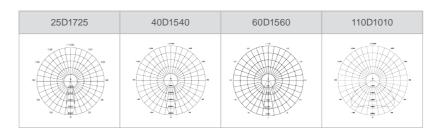
M1A MODULE ASYMMETRIC LIGHTING DISTRIBUTIONS

| IESNA TYPE | T1S1501 | T1S1810 | T1S3501 | T1S1613 | T1S3100 |
|-----------------------|---------|---------|------------|------------|------------|
| TYPE I | | | | | |
| IESNA TYPE | T1S3101 | T1S3201 | T1S1502(V) | T1S1811(V) | |
| TYPE I | | | | | |
| IESNA TYPE | T2S1312 | T2S3203 | T2M3702 | | |
| | -/+180 | -/+186 | -/*180 | | |
| TYPE II | | | | | |
| TYPE II IESNA TYPE | T3M2701 | тзM3910 | л. | T3M1910(V) | T3M1911(V) |

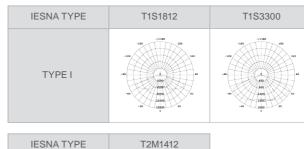
| IESNA TYPE | T4M5703 |
|------------|---------|
| TYPE IV | |
| | |
| IESNA TYPE | T5S3040 |
| | |

| TYPE VS | |
|---------|--|
|---------|--|

M1A MODULE SYMMETRIC LIGHTING DISTRIBUTIONS



■ M2A MODULE ASYMMETRIC LIGHTING DISTRIBUTIONS





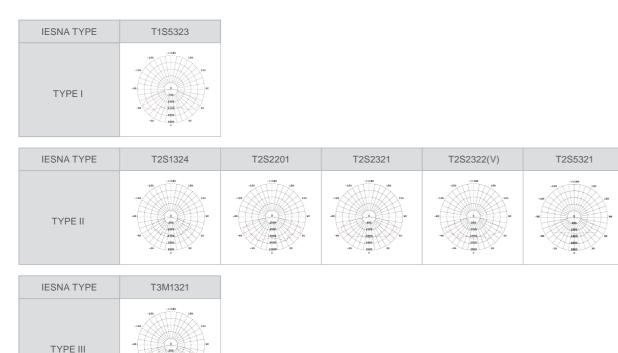
■ M2A MODULE SYMMETRIC LIGHTING DISTRIBUTIONS

| 12D1908 | 25D3725 | 40D3540 |
|---------|----------|---------|
| | | |
| | | |
| | | |
| 90D3590 | 110D3030 | LBN1310 |





M8B MODULE ASYMMETRIC LIGHTING DISTRIBUTIONS



■ M8B MODULE SYMMETRIC LIGHTING DISTRIBUTIONS

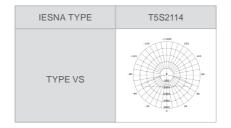
| LBN1310 | TL1390 | 25D1325 | 40D5340 | 60D2360 | 90D5390 |
|---------|--------|---------|---------|---------|---------|
| | | | | | |

■ M16B/M19/M20 MODULE ASYMMETRIC LIGHTING DISTRIBUTIONS

| IESNA TYPE | T1S1107 | T1S3105 |
|------------|---------|---------|
| TYPE I | | |

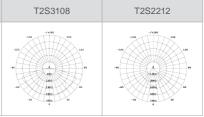
M16B/M19/M20 MODULE ASYMMETRIC LIGHTING DISTRIBUTIONS

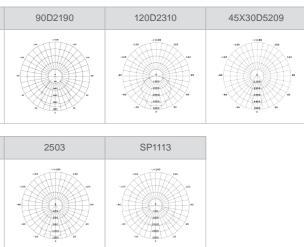
| IESNA TYPE | T2S2105 | T2S3106 |
|------------|---------|---------|
| TYPE II | | |
| | | |
| IESNA TYPE | T3M2109 | T3M2127 |



■ M16B/M19/M20 MODULE SYMMETRIC LIGHTING DISTRIBUTIONS

| 25D3125 | 40D3140 | 60D3160 |
|-------------|---------|---------|
| | | |
| | | |
| 001/4000044 | | |
| 90X40D2211 | LBN1310 | TS2123 |





M12A MODULE ASYMMETRIC LIGHTING DISTRIBUTIONS

| IESNA TYPE | TIS2213 | TIS1210 |
|------------|----------|----------|
| | 3030 LED | 5050 LED |
| TYPE I | | |

| IESNA TYPE | T2S2210 | T2S2219 | STADIUM 2318 |
|------------|---------|---------|--------------|
| | 5050 | LED | 3535 LED |
| TYPE II | | | |

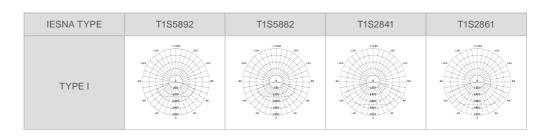
| IESNA TYPE | T3M2240 |
|------------|----------|
| | 5050 LED |
| TYPEIII | |

M12A MODULE SYMMETRIC LIGHTING DISTRIBUTIONS

| 12D2012 | 60D2319 | 90D2390 | 90DX40D2316 | 40DX90D2323 |
|---------|---------|----------|-------------|-------------|
| | | 3535 LED | | |
| | | | | |

| 25D2225 | 60D2260 | 90D2290 | 90DX40D2216 | LBN2214 |
|---------|---------|---------|-------------|----------|
| | 5050 | LED | | 3030 LED |
| | | | | |

M7*-XA MODULE ASYMMETRIC LIGHTING DISTRIBUTIONS



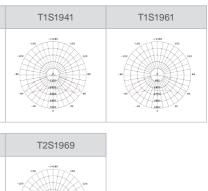
M7*-XB MODULE ASYMMETRIC LIGHTING DISTRIBUTIONS

| IESNA TYPE | T1S1991 | T1S1981 |
|------------|------------|---------|
| TYPE I | | |
| | | |
| IESNA TYPE | T2S2967 | T2S2969 |
| TYPE II | | |
| | | |
| IESNA TYPE | T3M2885 | |
| | -/*180 150 | |

| IESNA I YPE | T3M2885 |
|-------------|---------|
| TYPE III | |

■ M5A MODULE ASYMMETRIC LIGHTING DISTRIBUTIONS

| IESNA TYPE | T2S1413 | T2M1711 |
|------------|---------|---------|
| TYPE II | | |





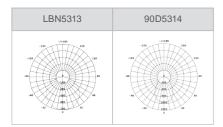
M6 MODULE ASYMMETRIC LIGHTING DISTRIBUTIONS

| IESNA TYPE | T2S1414 | T2S1415 | T2S1614 | T2S1616 |
|------------|---------|---------|---------|---------|
| TYPE II | | | | |

■ M6 MODULE SYMMETRIC LIGHTING DISTRIBUTION



M11A MODULE SYMMETRIC LIGHTING DISTRIBUTION



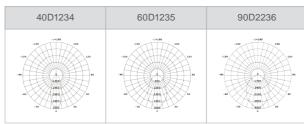
M15A MODULEASYMMETRIC LIGHTING DISTRIBUTIONS

| 60D2960 | 60D5760 | 60D5860 | 90D2990 | 90D5790 | 90D2890 |
|---------|---------|---------|---------|---------|---------|
| | | | | | |

M18A MODULE ASYMMETRIC LIGHTING DISTRIBUTIONS

| | | - |
|------------|---------|---------|
| IESNA TYPE | T2S2231 | T2M1232 |
| TYPE II | | |

M18A MODULE SYMMETRIC LIGHTING DISTRIBUTION

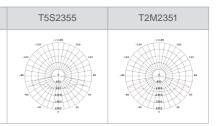


■ M28A MODULE LIGHTING DISTRIBUTIONS

| 12D2312 | 25D2425 | LBN2414 |
|---------|---------|---------|
| | | |



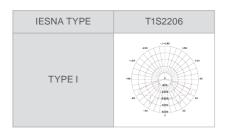




T1M/T1W/T29A STREET LIGHT

| IESNA TYPE | T1S2209 | T1S1209 |
|------------|---------|---------|
| TYPE I | | |

T1H STREET LIGHT



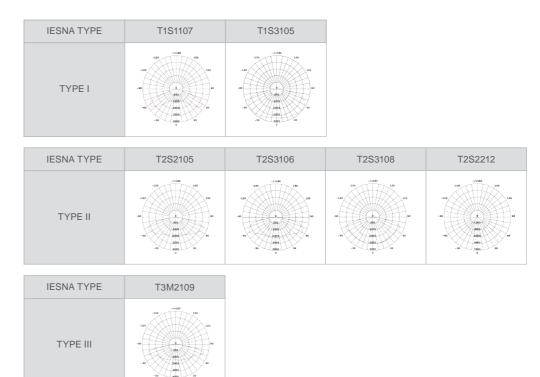
T1Q/T29B/T28D/T85A/FL15A STREET LIGHT

| IESNA TYPE | TIS2213 | TIS1210 |
|------------|----------|----------|
| | 3030 LED | 5050 LED |
| TYPE I | | |

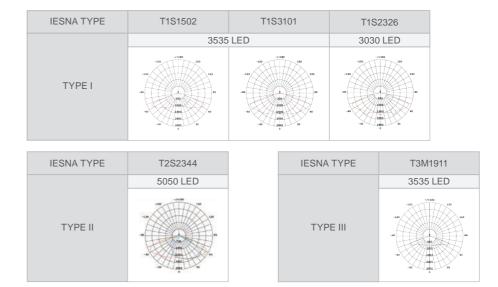
| IESNA TYPE | T2S2210 | T2M2219 |
|------------|---------|---------|
| | 5050 | LED |
| TYPE II | | |

| IESNA TYPE | T3M2240 | | |
|------------|----------|--|--|
| TYPEIII | 5050 LED | | |
| | | | |

T1P/ T29C/ T85BCD/ T99C/ FL15B STREET LIGHT

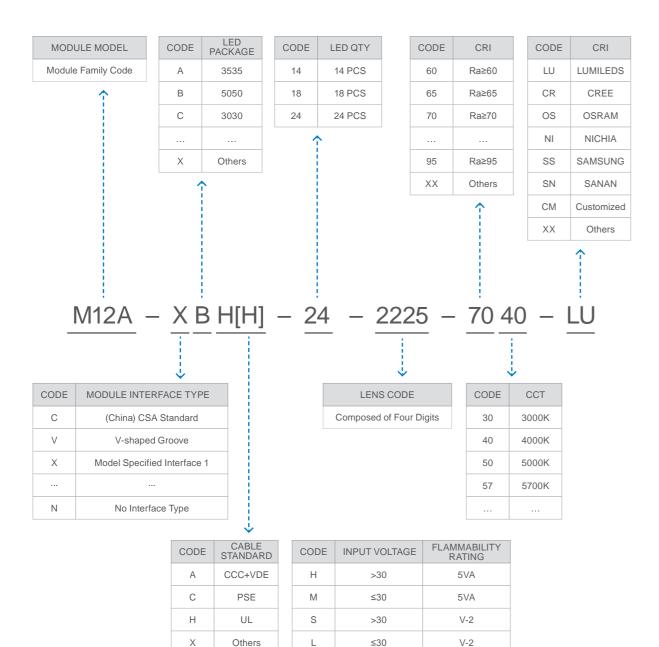


T1D STREET LIGHT



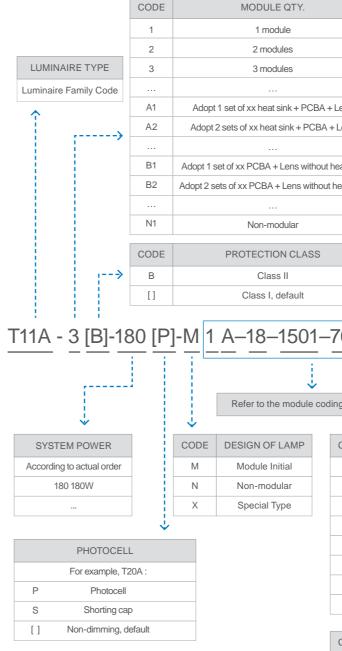
APPENDIX: ORDERING INFORMATION

MODULE ORDERING INFORMATION EXAMPLE: M12A-XBH[H]-24-P12-2225-7040-LU



LUMINARY ORDERING INFORMATION

EXAMPLE: T11A-3[B]--180[P]-M1A--18-1501-7040-LU-MW[T]-WH[B]-[CN]



*Applicable premise: H. i.e.

[]

CABLE STANDARD being UL. Otherwise, default.

Default

Default

| BK Black WH WW BU Blue BZ Brack GY Gray BUWH Blue Top + SR Silver BUGY BlueTop + Lens BS Black Top + Silver Base XX Ottop + heat sink For example, TF8A/B/A TF8B/C has four types of I A 60° Aluminum lam B 90° Aluminum lam C PC lampshade With D PC lampshade with TF8B/C has four types of I A 60° Aluminum lam B 90° Aluminum lam C PC lampshade With D PC lampshade with D PC lampshade with MO MOSO MO MOSO J J J MW MEAN WELL P PH PHILIPS J J J J IN INNOEV CM Clustomized | | | | | | | | | | | |
|--|-----------|--------------------|----------|----------|--------|--------------------------|--------------|-----------------------|----------------|--|--|
| BU Blue BZ Brr GY Gray BUWH Blue Top + SR Silver BUGY Blue Top + BS Black Top + Silver Base XX Ottop heat sink For example, TF8A/B/ TF8B/C has four types of I A 60° Aluminum lam B 90° Aluminum lam C PC lampshade With D PC lampshade With D PC lampshade With D PC lampshade With MO MOSO MW MEAN WELL US USA, C PH PHILIPS IN INVENTRONICS JP Jap AD ADAYO INNOEV CM Customized | | CODE | FINISH | OLOF | २ | CODE | FINISHI | NG COLOR | | | |
| GY Gray BUWH Blue Top + Lens SR Silver BUGY Blue Top + Lens BS Black Top + Silver Base XX Ottop + heat sink For example, TF8A/B/L For example, TF8A/B/L TF8B/C has four types of I A 60° Aluminum lam B 90° Aluminum lam B 90° Aluminum lam C PC lampshade With D PC lampshade without Image: Comparison of the top + Image: Comparison of the top + ng rules above. Image: Comparison of the top + Image: Comparison of the top + Image: Comparison of top + MO MOSO MW MEAN WELL Image: Comparison of top + Image: Comparison of top + IN INVENTRONICS AD ADAYO Image: Comparison of top + Image: Comparison of top + IV INNOEV CM Customized Image: Comparison of top + Image: Comparison of top + IV INNOEV Image: Comparison of top + IV INNOEV | | BK | | | | WH | 1 | White | | | |
| SR Silver BUGY Blue Top 4 Lens BS Black Top + Silver Base XX Ottop 4 Lens SPECIAL LAMPS CO For example, TF8A/B/A heat sink For example, TF8A/B/A heat sink B 90° Aluminum lam B 90° Aluminum lam C PC lampshade With D PC lampshade with C PC lampshade with MO MOSO M MW MEAN WELL V PH PHILIPS IN IN INVENTRONICS AD ADAYO IV INNOEV CM Customized XX Others | | BU | Blue | | | | ΒZ | В | ronze | | |
| Lens BS Black Top + Silver Base XX Otion Lens SPECIAL LAMPS CO heat sink For example, TF8A/B/A heat sink A 60° Aluminum lam B 90° Aluminum lam B 90° Aluminum lam C PC lampshade With D PC lampshade with TO40-LU -MWV [T]-WH [B] - [CN] ng rules above. Image: Code Code Code Code Code Code Code Code | | GY | Gray | | | | BUWH | Blue Top | + White Base | | |
| Lens SPECIAL LAMPS CO heat sink For example, TF8A/B// heat sink A 60° Aluminum lam B 90° Aluminum lam B 90° Aluminum lam C PC lampshade With D PC lampshade with D PC lampshade with Image: Comparison of the state of the st | | SR | | Silver | | | BUGY | Blue Top | + Gray Base | | |
| neat sink SPECIAL LAMPS CO heat sink For example, TF8A/B/A heat sink A 60° Aluminum lam B 90° Aluminum lam B 90° Aluminum lam C PC lampshade With D PC lampshade with D PC lampshade with D TO40-LU -MWV [T]-WH [B] - [CN] ng rules above. Image: CODE CODE DRIVER BRAND MO MOSO MW MEAN WELL PH PHILIPS IN INVENTRONICS AD ADAYO IV INNOEV CM Customized XX Others | Lens | BS | Black To | p + Silv | /er Ba | se | XX | C | Others | | |
| neat sink heat sink | Lens | | <u>^</u> | | | | | | | | |
| heat sink TF8B/C has four types of I A 60° Aluminum lam B 90° Aluminum lam C PC lampshade With D PC lampshade with TO40-LU -MWV [T]-WH [B] - [CN] mg rules above. Image: Code Regional Code R | | SPECIAL LAMPS CODE | | | | | | | | | |
| A 60° Aluminum lam B 90° Aluminum lam C PC lampshade With D PC lampshade with C PC lampsh | neat sink | | | | | For example, TF8A/B/C/D/ | | | | | |
| B 90° Aluminum lam C PC lampshade with D PC lampshade with TO40-LU -MW [T]-WH [B] - [CN] ng rules above. Image: Code DRIVER BRAND Image: Code REGIONAL MO MOSO Image: Code REGIONAL Image: Code Code REGIONAL MW MEAN WELL Image: Code Image: Code REGIONAL Image: Code | heat sink | - | | | | B/C | has f | our types of | f lampshade: | | |
| C PC Iampshade With D PC Iampshade with TO40-LU -MW [T]-WH [B] - [CN] ng rules above. Image: Code DRIVER BRAND Image: Code REGIONAL MO MOSO Image: Code REGIONAL CN China. MW MEAN WELL US USA, C Image: Code Image: Code </td <td></td> <td></td> <td></td> <td></td> <td>А</td> <td>60°</td> <td>A</td> <td>uminum la</td> <td>mpshade</td> | | | | | А | 60° | A | uminum la | mpshade | | |
| D PC lampshade with 7040-LU -MW [T]-WH [B] - [CN] ng rules above. - - CODE DRIVER BRAND CN China. MO MOSO US USA, C MW MEAN WELL US USA, C PH PHILIPS IN Ind AD ADAYO IV INNOEV CM Customized XX Others | | | | | В | 90° | A | uminum la | mpshade | | |
| 7040-LU -MW [T]-WH [B] - [CN] ng rules above. Image: Code CODE DRIVER BRAND MO MOSO MW MEAN WELL PH PHILIPS IN INVENTRONICS AD ADAYO IV INNOEV CM Customized XX Others | | (| | | | PC | lar | lampshade With bottom | | | |
| ng rules above. CODE DRIVER BRAND MO MOSO MW MEAN WELL PH PHILIPS IN INVENTRONICS AD ADAYO IV INNOEV CM Customized XX Others | | | | | D | PC | lam | shade with | nout bottom | | |
| MO MOSO MW MEAN WELL PH PHILIPS IN INVENTRONICS AD ADAYO IV INNOEV CM Customized XX Others | | | MW | [T]· | -W | H | <u>[B]</u> - | - [CN |] | | |
| MW MEAN WELL PH PHILIPS IN INVENTRONICS AD ADAYO IV INNOEV CM Customized XX Others | CODE | DRIVER B | RAND | | | | CODE | REGIONA | LMARKET | | |
| PH PHILIPS IN INVENTRONICS AD ADAYO IV INNOEV CM Customized XX Others | MO | MOSO | | | | | CN | China | China. default | | |
| IN INVENTRONICS AD ADAYO IV INNOEV CM Customized XX Others | MW | MEAN WELL | | | | US | USA, | USA, Canada | | | |
| AD ADAYO IV INNOEV CM Customized XX Others | PH | PHILIPS | | | | IN | Ir | ndia | | | |
| IV INNOEV CM Customized XX Others | IN | INVENTRONICS | | | | JP | Ja | ipan | | | |
| CM Customized XX Others | AD | ADAYO | | | | EU | Eu | Europe | | | |
| XX Others | IV | INNOEV | | | | | | | | | |
| XX Others | СМ | Custom | zed | | | | | | | | |
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| CODE DIMMING TYPE | | | | ~ | | | | | | | |
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