



LEDestá STREET LIGHT CATALOGUE 2020

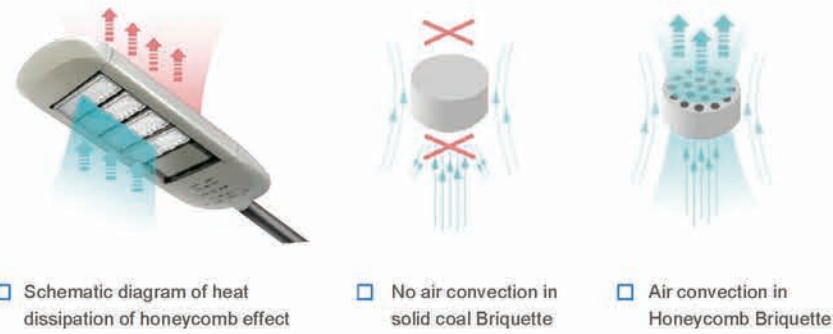


LEDestá

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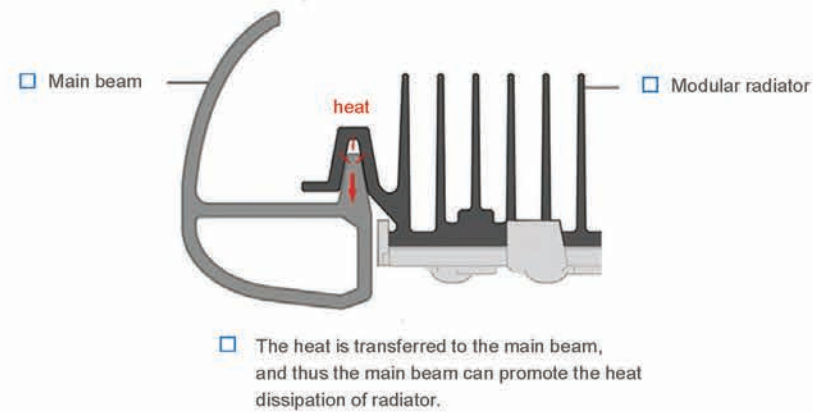
HEAT DISSIPATION OF HONEYCOMB BRIQUETTE EFFECT

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.



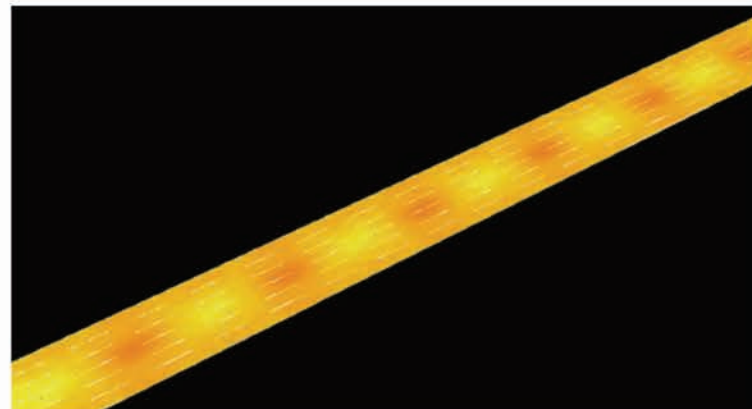
HEAT DISSIPATION OF THE WHOLE STRUCTURE

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.



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. LEDestá 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.



TYPICAL CASES

FULL COVERAGE OF OUTDOOR LIGHTING APPLICATION



OVERVIEW OF HIGH-POWER APPLICATION SERIES



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 LEDestá include LED street lights, LED tunnel lights, LED high bay lights, and LED spot lights / flood lights series.

LED Modules



L1W

MODULAR LED STREET LIGHTS



- WHITE
- BLACK
- GRAY

■ MAIN FEATURES

- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for roadway applications;
- 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).

CE RoHS



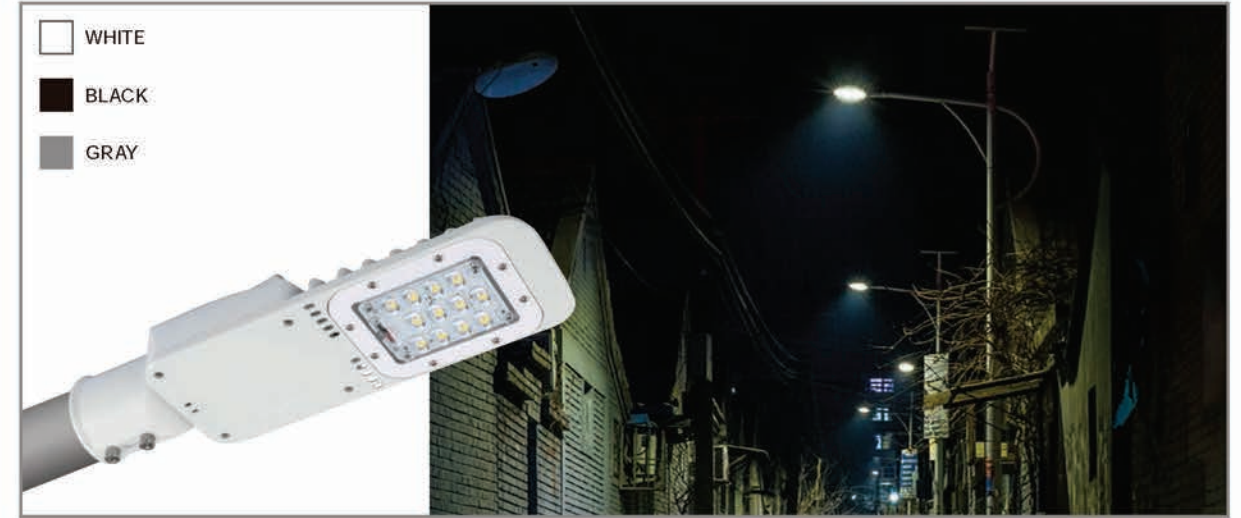
■ TECHNICAL PARAMETERS

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℃
Installation diameter	40-44mm/55-65mm

L1M

MODULAR LED STREET LIGHTS

LEDestá
premium lighting



- WHITE
- BLACK
- GRAY

■ MAIN FEATURES

- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for roadway applications;
- 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.

CE CB RoHS PS E



■ 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℃
Installation diameter	40-44mm/55-65mm

L1Q

MODULAR LED STREET LIGHTS



■ MAIN FEATURES

- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for roadway applications;
- 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.

CE RoHS



■ 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 110±8lm/W@1100mA	143±8lm/W@1000mA 135±8lm/W@1200mA
Lighting distribution	TYPE I TYPE II See lighting distribution options on appendix	
Working Temperature	-40~+50℃	
Installation diameter	37-43mm/57-63mm	

L1D

MODULAR LED STREET LIGHTS



■ MAIN FEATURES

- 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;
- Unmatched lighting performance, driver stability and desirable lifespan;
- IP65 rated electrical compartment;
- 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.

CE CB RoHS UL LISTED



■ TECHNICAL PARAMETERS

Input Voltage	100-277Vac	
Power	30W/40W/50W/60W	
Power factor	0.95	
Available CCT	3000K/4000K/5000K/5700K	
LED Brand	Lumileds Luxeon TX	Lumileds Luxeon 3030
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
Lighting distribution	TYPE I TYPE II TYPE III See lighting distribution options on appendix	
Working Temperature	-40~+50℃	
Installation diameter	57-63mm	

L1F MODULAR LED STREET LIGHTS



- WHITE
- BLACK
- GRAY

■ MAIN FEATURES

- 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;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Tool-free access for easy and fast installation.

CE CB RoHS



■ TECHNICAL PARAMETERS

Input Voltage	100-277Vac	
Power	30W/40W/50W/60W	
Power factor	0.95	
Available CCT	3000K/4000K/5000K/5700K	
LED Brand	Lumileds Luxeon TX	Lumileds Luxeon 3030
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
Lighting distribution	TYPE I TYPE II TYPE III See lighting distribution options on appendix	
Working Temperature	-40~+50℃	
Installation diameter	57-63mm	

L1H MODULAR LED STREET LIGHTS



- WHITE
- BLACK
- GRAY

■ MAIN FEATURES

- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for roadway applications;
- 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.

CE CB RoHS



■ TECHNICAL PARAMETERS

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℃
Installation diameter	57-63mm

L28D

MODULAR LED STREET LIGHTS



CE RoHS

IP66 CB

MAIN FEATURES

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

TECHNICAL PARAMETERS

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		

L29A

MODULAR LED STREET LIGHTS



CE CB RoHS

IP66 Ra ≥70 WARRANTY YEAR

MAIN FEATURES

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

TECHNICAL PARAMETERS

Input Voltage	100-277Vac	
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	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	

L29B

MODULAR LED STREET LIGHTS



CE CB RoHS



MAIN FEATURES

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

TECHNICAL PARAMETERS

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@700mA 120±5lm/W@860mA 112±5lm/W@1050mA	150±8lm/W@800mA 145±8lm/W@1000mA 140±8lm/W@1200mA
Lighting distribution	TYPE I TYPE II See lighting distribution options on appendix	
Working Temperature	-40~+50℃	
Installation diameter	50-60mm	

L29C

MODULAR LED STREET LIGHTS



CE RoHS



MAIN FEATURES

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

TECHNICAL PARAMETERS

Input Voltage	100-277Vac			
Power	80W/100W/120W			
Power factor	0.95			
Available CCT	3000K/4000K/5000K/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℃			
Installation diameter	50-60mm			

L1B MODULAR LED STREET LIGHTS



MAIN FEATURES

- 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;

CE CB RoHS



TECHNICAL PARAMETERS

Input Voltage	100-277Vac		
Power factor	0.95		
Available CCT	3000K/4000K/5000K/5700K		
Module Type	L1/L2 series	L8 series	L16 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@700mA 125±5lm/W@860mA 117±5lm/W@1050mA	158±5lm/W@800mA 152±5lm/W@1000mA 145±5lm/W@1200 mA
Lighting distribution	TYPE I TYPE II TYPE III TYPE IV TYPE V See lighting distribution options on appendix		
Working Temperature	-40~+50℃		
Installation diameter	57-63mm		

L1P MODULAR LED STREET LIGHTS



MAIN FEATURES

- 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;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Stainless steel latches provide easy, tool-less access.

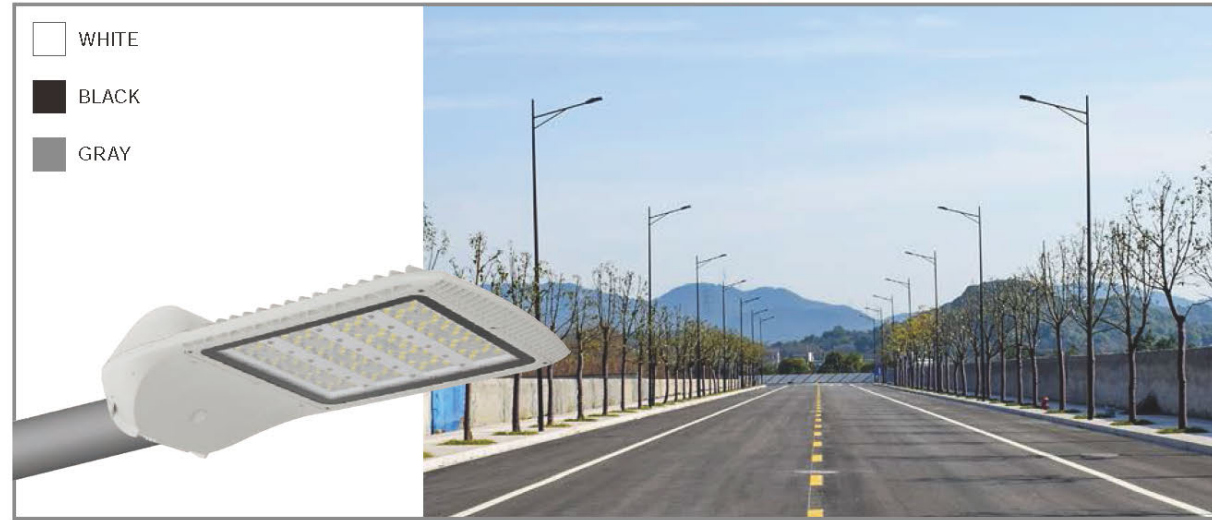
CE RoHS



TECHNICAL PARAMETERS

Input Voltage	100-277Vac
Power	40W-120W
Power factor	0.95
Available CCT	3000K/4000K/5000K/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℃
Installation diameter	57-63mm

L85 MODULAR LED STREET LIGHTS



CE RoHS
IP66 CB

MAIN FEATURES

- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for roadway applications, Tempered glass with impact resistance rating of IK08- IK09;
- 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 disconnect 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	115-140lm/W		
Lighting distribution	TYPE I TYPE II TYPE III TYPE See lighting distribution options on appendix		
Working Temperature	-40~+50°C		
Installation diameter	40-50mm/55-65mm/65-75mm		

L12A MODULAR LED STREET LIGHTS



CE CB RoHS
IP66 Ra ≥70 WARRANTY YEAR

MAIN FEATURES

- 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;
- IP66 rated electrical compartment;
- 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 disconnect, photocell and universal bubble level;
- Post-top & side-entry with ±15° inclination in steps of 3°;
- Optional NEMA receptacle & photocell.

TECHNICAL PARAMETERS

Input Voltage	100-277Vac			
Power factor	0.95			
Available CCT	3000K/4000K/5000K/5700K			
Module Type	L7C-XA series	L7D-XA series	L7C-XB series	L7D-XB series
Photo				
Module Quantity	1		2	
Power	40W 50W 60W		80W 100W 120W	
Typical Luminous Efficacy	123±5lm/W@1050mA 117±5lm/W@650mA 112±5lm/W@800mA	130±5lm/W@700mA 125±5lm/W@860mA 120±5lm/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 See lighting distribution options on appendix			
Working Temperature	-40~+50°C			
Installation diameter	55-65mm			

L31A

MODULAR LED STREET LIGHTS



CE CB RoHS



MAIN FEATURES

- 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;
- 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	L31A-XA series	L31A-XB series	L31A-XC series	
Photo				
Module Quantity	2	3	4	5
Power	80W 100W 120W	120W 150W 180W	160W 200W 240W	200W 250W
Typical LM/W	110±5lm/W@700mA 105±5lm/W@860mA 100±5lm/W@1050mA	158±5lm/W@800mA 152±5lm/W@1000mA 145±5lm/W@1200mA	130±5lm/W@700mA 125±5lm/W@860mA 117±5lm/W@1050 mA	
Light distribution	TYPE I TYPE II TYPE III TYPE IV TYPE V See lighting distribution options on appendix			
Working Temperature	-40~+50℃			
Installation diameter	57-63mm			

L6A

MODULAR LED STREET LIGHTS



CE CB RoHS



MAIN FEATURES

- 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.

TECHNICAL PARAMETERS

Input Voltage	100-277Vac		
Power factor	0.95		
Available CCT	3000K/4000K/5000K/5700K		
Module Type	L1/L2 series	L8 series	L16 series
Photo			
Module Quantity	1	2	3
Power	40W 50W 60W	80W 100W 120W	120W 150W 180W
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±5lm/W@800mA 152±5lm/W@1000mA 145±5lm/W@1200 mA
Lighting distribution	TYPE I TYPE II TYPE III TYPE IV TYPE V See lighting distribution options on appendix		
Working Temperature	-40~+50℃		
Installation diameter	57-63mm		

L11A

MODULAR LED STREET LIGHTS



- WHITE
- BLACK
- GRAY
- BLUE

MAIN FEATURES

- 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;



TECHNICAL PARAMETERS

Input Voltage	100-277Vac						
Power factor	0.95						
Available CCT	3000K/4000K/5000K/5700K						
Module Type	L1/L2 series		L8 series			L16 series	
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@700mA 125±5lm/W@860mA 117±5lm/W@1050mA			158±5lm/W@800mA 152±5lm/W@1000mA 145±5lm/W@1200 mA	
Lighting distribution	TYPE I TYPE II TYPE III TYPE IV TYPE V See lighting distribution options on appendix						
Working Temperature	-40~+50℃						
Installation diameter	57-63mm						

L19B

MODULAR LED STREET LIGHTS



- WHITE
- BLACK
- GRAY

MAIN FEATURES

- 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;
- Optional NEMA receptacle & photocell.



TECHNICAL PARAMETERS

Input Voltage	100-277Vac						
Power factor	0.95						
Available CCT	3000K/4000K/5000K/5700K						
Module Type	L1/L2 series		L8 series			L16 series	
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@700mA 125±5lm/W@860mA 117±5lm/W@1050mA			158±5lm/W@800mA 152±5lm/W@1000mA 145±5lm/W@1200 mA	
Lighting distribution	TYPE I TYPE II TYPE III TYPE IV TYPE V See lighting distribution options on appendix						
Working Temperature	-40~+50℃						
Installation diameter	57-63mm						

L19E

MODULAR LED STREET LIGHTS



MAIN FEATURES

- 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;
- Post-top & side-entry with $\pm 15^\circ$ 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	L1/L2 series		L8 series			L16 series	
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 \pm 5lm/W@700mA 105 \pm 5lm/W@860mA 100 \pm 5lm/W@1050mA		130 \pm 5lm/W@700mA 125 \pm 5lm/W@860mA 117 \pm 5lm/W@1050mA			158 \pm 5lm/W@800mA 152 \pm 5lm/W@1000mA 145 \pm 5lm/W@1200mA	
Lighting distribution	TYPE I TYPE II TYPE III TYPE IV TYPE V See lighting distribution options on appendix						
Working Temperature	-40~+50 $^\circ$ C						
Installation diameter	40-50mm/55-65mm/65-75mm						

L20A

MODULAR LED STREET LIGHTS



MAIN FEATURES

- 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 $\pm 5^\circ$ inclination in steps of 2.5° with bubble level;
- Removable power door;
- Optional NEMA receptacle & photocell.

TECHNICAL PARAMETERS

Input Voltage	100-277Vac				
Power factor	0.95				
Available CCT	3000K/4000K/5000K/5700K				
Module Type	L1/L2 series		L8 series		L16 series
Photo					
Module Quantity	1	2	3	4	5
Power	40W 50W 60W	80W 100W 120W	120W 150W 180W	160W 200W 240W	200W 250W 300W
Typical Luminous Efficacy	110 \pm 5lm/W@700mA 105 \pm 5lm/W@860mA 100 \pm 5lm/W@1050mA		130 \pm 5lm/W@700mA 125 \pm 5lm/W@860mA 117 \pm 5lm/W@1050mA		158 \pm 5lm/W@800mA 152 \pm 5lm/W@1000mA 145 \pm 5lm/W@1200mA
Lighting distribution	TYPE I TYPE II TYPE III TYPE IV TYPE V See lighting distribution options on appendix				
Working Temperature	-40~+50 $^\circ$ C				
Installation diameter	55-65mm				

L20B

MODULAR LED STREET LIGHTS



MAIN FEATURES

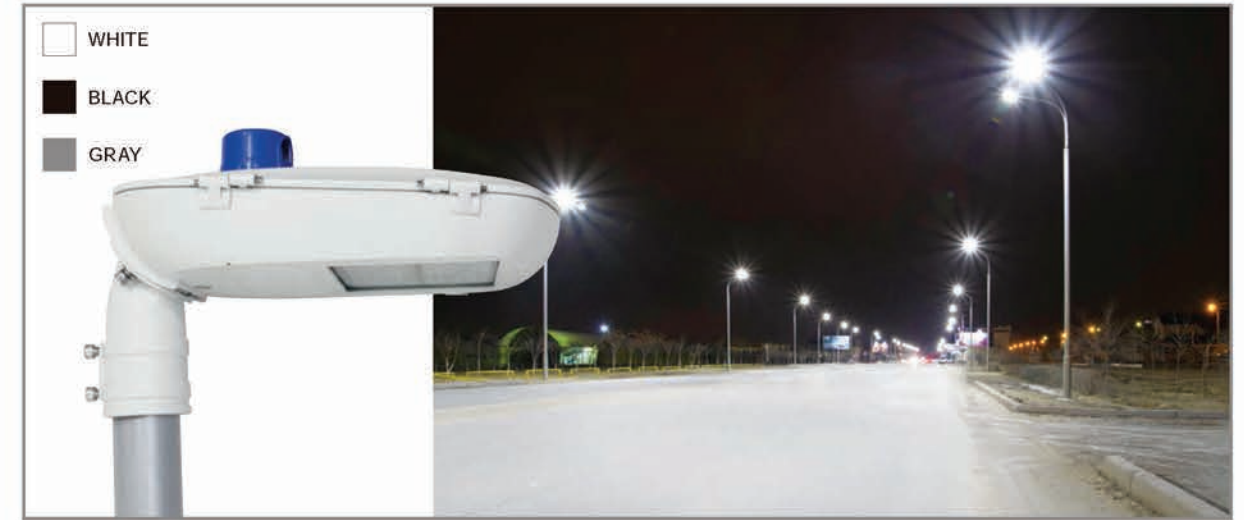
- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for various roadway applications;
- Whole structure heating dissipation design with excellent thermal conduction, radiation and convection;
- Flexible to reach desired power selections by choosing appropriate 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 $\pm 5^\circ$ 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	L1/L2 series	L8 series	L16 series
Photo			
Module Quantity	1	2	
Power	40W 50W 60W	80W 100W 120W	
Typical Luminous Efficacy	110 \pm 5lm/W@700mA 105 \pm 5lm/W@860mA 100 \pm 5lm/W@1050mA	130 \pm 5lm/W@700mA 125 \pm 5lm/W@860mA 117 \pm 5lm/W@1050mA	158 \pm 5lm/W@800mA 152 \pm 5lm/W@1000mA 145 \pm 5lm/W@1200mA
Lighting distribution	TYPE I TYPE II TYPE III TYPE IV TYPE V See lighting distribution options on appendix		
Working Temperature	-40~+50 $^\circ$ C		
Installation diameter	57-63mm		

L25B

MODULAR LED STREET LIGHTS



MAIN FEATURES

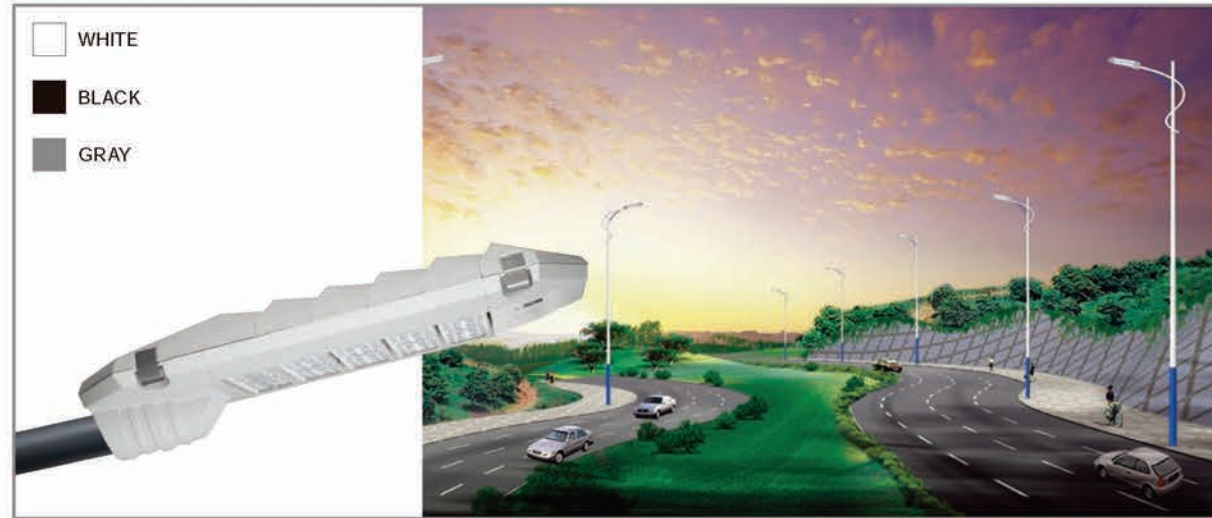
- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for various roadway applications;
- Whole structure heating dissipation design with excellent thermal conduction and radiation;
- Flexible to reach desired power selections by choosing appropriate light engines;
- 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;
- Tempered glass lens designed, easy for cleaning;
- Optional NEMA receptacle & photocell;
- Post-top & side-entry with $\pm 15^\circ$ inclination in steps of 5° .

TECHNICAL PARAMETERS

Input Voltage	100-277Vac		
Power factor	0.95		
Available CCT	3000K/4000K/5000K/5700K		
Module Type	L1/L2 series	L8 series	L16 series
Photo			
Module Quantity	1	2	
Power	40W 50W 60W	80W 100W	
Typical Luminous Efficacy	100 \pm 5lm/W@700mA 95 \pm 5lm/W@860mA 90 \pm 5lm/W@1050mA	117 \pm 5lm/W@700mA 112 \pm 5lm/W@860mA 105 \pm 5lm/W@1050mA	142 \pm 5lm/W@800mA 136 \pm 5lm/W@1000mA 130 \pm 5lm/W@1200mA
Lighting distribution	TYPE I TYPE II TYPE III TYPE IV TYPE V See lighting distribution options on appendix		
Working Temperature	-40~+50 $^\circ$ C		
Installation diameter	40-50mm/55-65mm/65-75mm		

L32A

MODULAR LED STREET LIGHTS



CE CB RoHS



MAIN FEATURES

- 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;
- 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	L1/L2 series		L8 series			L16 series	
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@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 TYPE II TYPE III TYPE IV TYPE V See lighting distribution options on appendix						
Working Temperature	-40~+50℃						
Installation diameter	37-43mm/57-63mm						

L32C

MODULAR LED STREET LIGHTS

LEDestá
premium lighting



CE CB RoHS



MAIN FEATURES

- 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°.

TECHNICAL PARAMETERS

Input Voltage	100-277Vac						
Power factor	0.95						
Available CCT	3000K/4000K/5000K/5700K						
Module Type	L1/L2 series		L8 series			L16 series	
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@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 TYPE II TYPE III TYPE IV TYPE V See lighting distribution options on appendix						
Working Temperature	-40~+50℃						
Installation diameter	40-50mm/55-65mm/65-75mm						

L99C

MODULAR LED STREET LIGHTS



MAIN FEATURES

- 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;

CE CB RoHS



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 supplier
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 TYPE II TYPE III See lighting distribution options on appendix	
Working Temperature	-40~+50℃	
Installation diameter	42-48mm/ 57-63mm/ 67-73mm	

LEDestá
premium lighting

L99D

MODULAR LED STREET LIGHTS



MAIN FEATURES

- 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;

CE CB RoHS



TECHNICAL PARAMETERS

Input Voltage	100-277Vac		
Power factor	0.95		
Available CCT	3000K/4000K/5000K/5700K		
Module Type	L1/L2 series	L8 series	L16 series
Photo			
Module Quantity	3	4	5
Power	120W 150W 180W	160W 200W 240W	200W 250W 300W
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±5lm/W@800mA 152±5lm/W@1000mA 145±5lm/W@1200mA
Lighting distribution	TYPE I TYPE II TYPE III TYPE IV TYPE V See lighting distribution options on appendix		
Working Temperature	-40~+50℃		
Installation diameter	40-50mm/55-65mm/65-75mm		

LG1A

MODULAR LED GARDEN LIGHTS



CE CB RoHS



MAIN FEATURES

- 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;
- Post top mounting Ø60-70 (mm).

TECHNICAL PARAMETERS

Input Voltage	100-277Vac		
Power factor	0.95		
Available CCT	3000K/4000K/5000K/5700K		
Module Type	L1/L2 series	L8 series	L16 series
Photo			
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±5lm/W@800mA 147±5lm/W@1000mA 140±5lm/W@1200 mA
Lighting distribution	TYPE I TYPE II TYPE III TYPE IV TYPE V See lighting distribution options on appendix		
Working Temperature	-40~+50℃		
Installation diameter	60-70mm		

LG2A

MODULAR LED GARDEN LIGHTS



CE RoHS



MAIN FEATURES

- 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;
- Post top mounting Ø60mm.

TECHNICAL PARAMETERS

Input Voltage	100-277Vac		
Power factor	0.95		
Available CCT	3000K/4000K/5000K/5700K		
Module Type	L1/L2 series	L8 series	L16 series
Photo			
Module Quantity	2		
Power	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±5lm/W@800mA 152±5lm/W@1000mA 145±5lm/W@1200 mA
Lighting distribution	TYPE I TYPE II TYPE III TYPE IV TYPE V See lighting distribution options on appendix		
Working Temperature	-40~+50℃		
Installation diameter	60-68mm		



■ MAIN FEATURES

- 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.

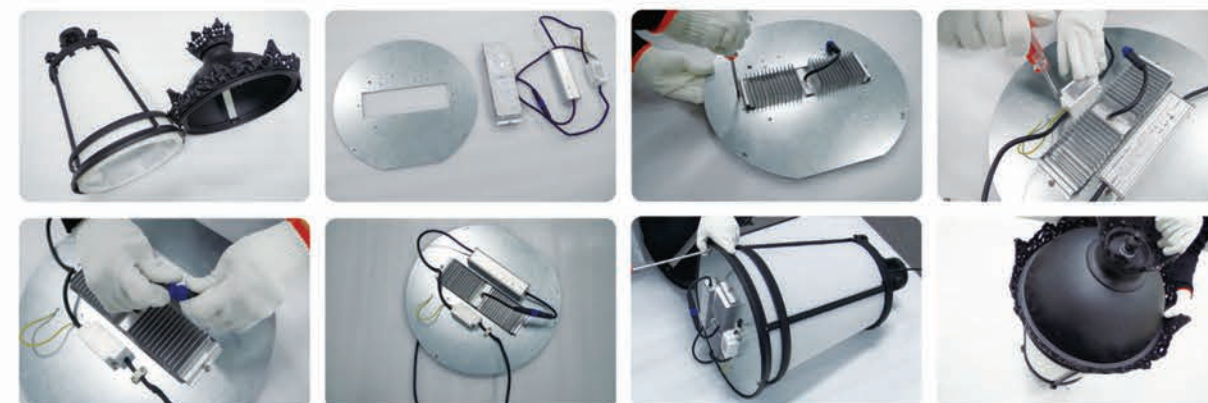
CE RoHS



■ TECHNICAL PARAMETERS

Input Voltage	100-277Vac		
Power factor	0.95		
Available CCT	3000K/4000K/5000K/5700K		
Module Type	L1/L2 series	L8 series	L16 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@700mA 125±5lm/W@860mA 117±5lm/W@1050mA	158±5lm/W@800mA 152±5lm/W@1000mA 145±5lm/W@1200mA
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℃		

■ TRADITIONAL RETROFIT OPERATION GUIDE



■ RETROFIT CASES

