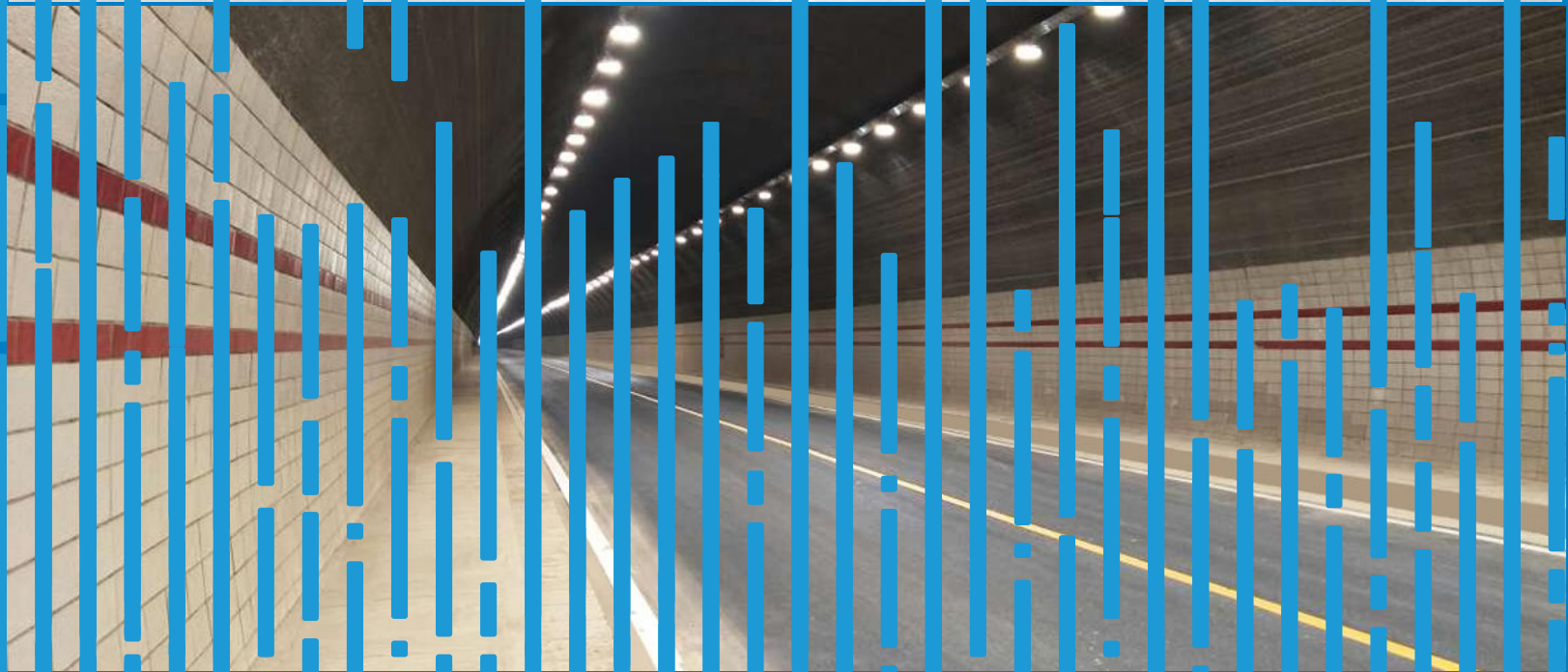


LEDestá
premium lighting



LEDestá HIGH BAY CATALOGUE 2020

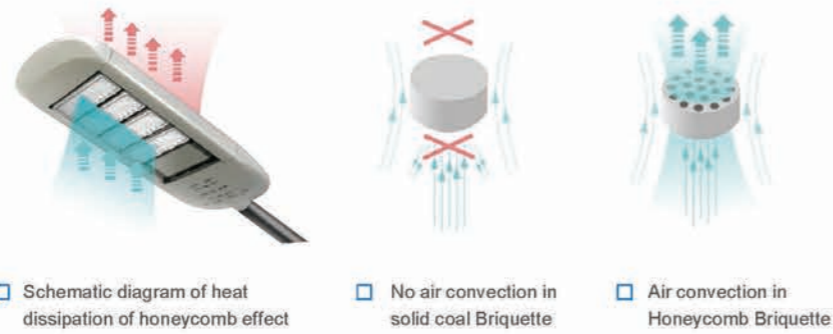


LEDestá

Contact: sales@ledesta.eu Tel: +370 600 93 111

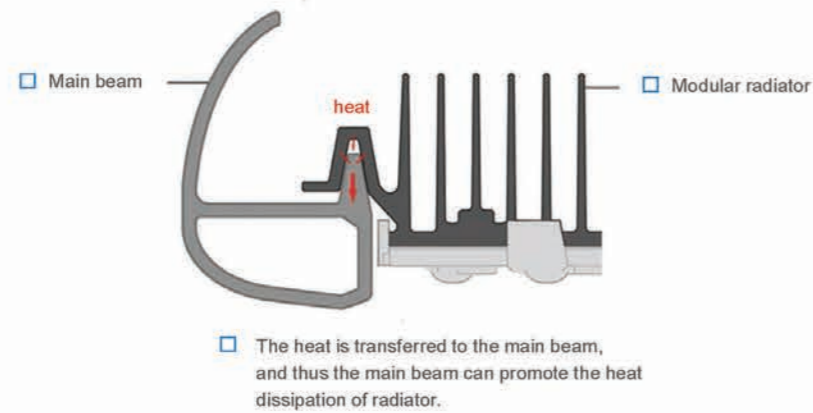
HEAT DISSIPATION OF HONEYCOMB BRIQUETTE EFFECT

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.



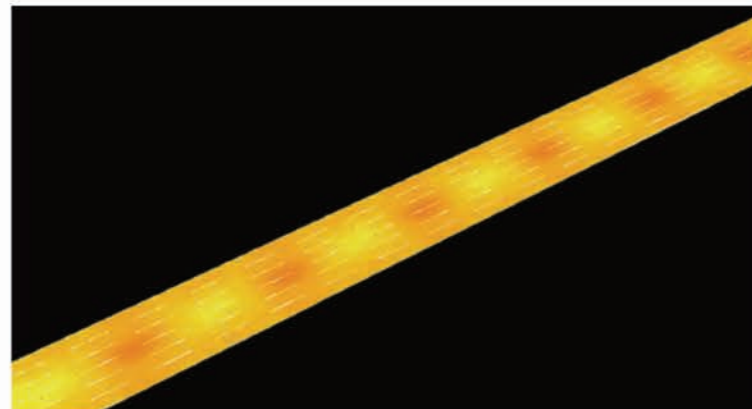
HEAT DISSIPATION OF THE WHOLE STRUCTURE

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



GL21 MODULAR LED HIGH BAY LIGHTS



CE RoHS



MAIN FEATURES

- 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;
- Superior efficiency with an average of 100-110lm/W;
- Effectively replaces HID products of 50-250W;
- Optional metal or PC reflectors;
- Compact light weight construction for easy installation.

TECHNICAL PARAMETERS

Input Voltage	100-277Vac
Power	50-250W
Power factor	0.95
Available CCT	3000K/4000K/5000K/5700K
LED Brand	Lumileds SMD3030
Typical Luminous Efficacy	100-130lm/W
Lighting distribution	60° 90°
Working Temperature	-30~+50℃
Installation diameter	∅318mm/∅410mm

LF2C MODULAR LED HIGH BAY LIGHTS



CE CB RoHS



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;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Maximum 360° adjustable mounting brackets.

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	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 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℃							

LF2H

MODULAR LED HIGH BAY LIGHTS



CE CB RoHS



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;
- 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/4000K/5000K/5700K							
Module Type	L1/L2 series		L8 series			L16 series		
Photo								
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 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℃							

LF7A

MODULAR LED HIGH BAY LIGHTS

LEDestá premium lighting



CE CB RoHS DLG



MAIN FEATURES

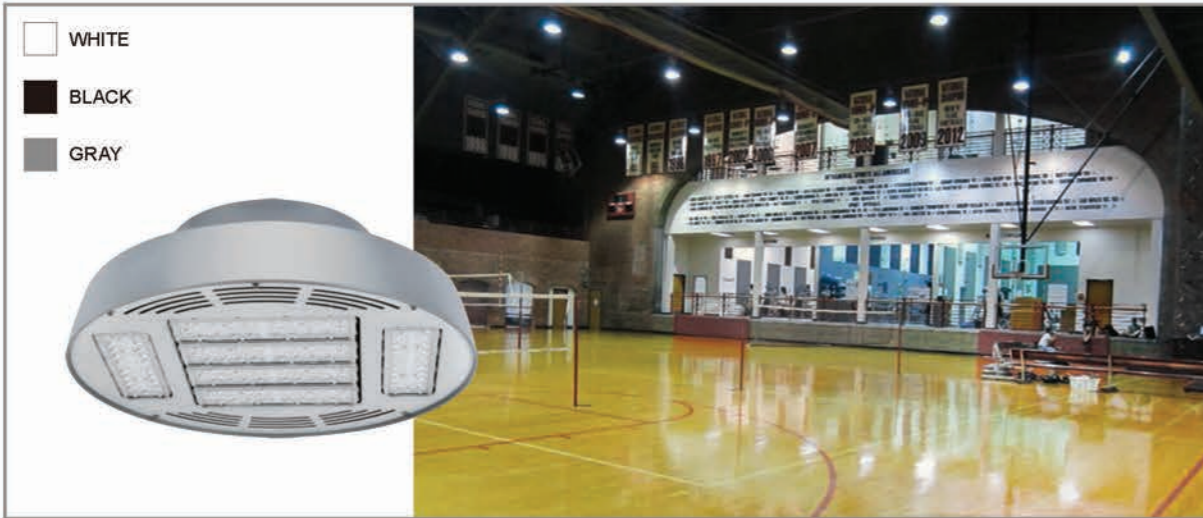
- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for warehouse, workshop, hall lighting, etc;
- Whole structure heating dissipation design with excellent thermal conduction, radiation and convection;
- Flexible to reach desired power selections by choosing appropriate light engines;
- Tool-free onsite replacements of light engines greatly reduce maintenance cost;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Round housing with optional mounting methods: hook, pendant, or surface mount.

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		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		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℃					

LF7C

**MODULAR LED
HIGH BAY LIGHTS**



MAIN FEATURES

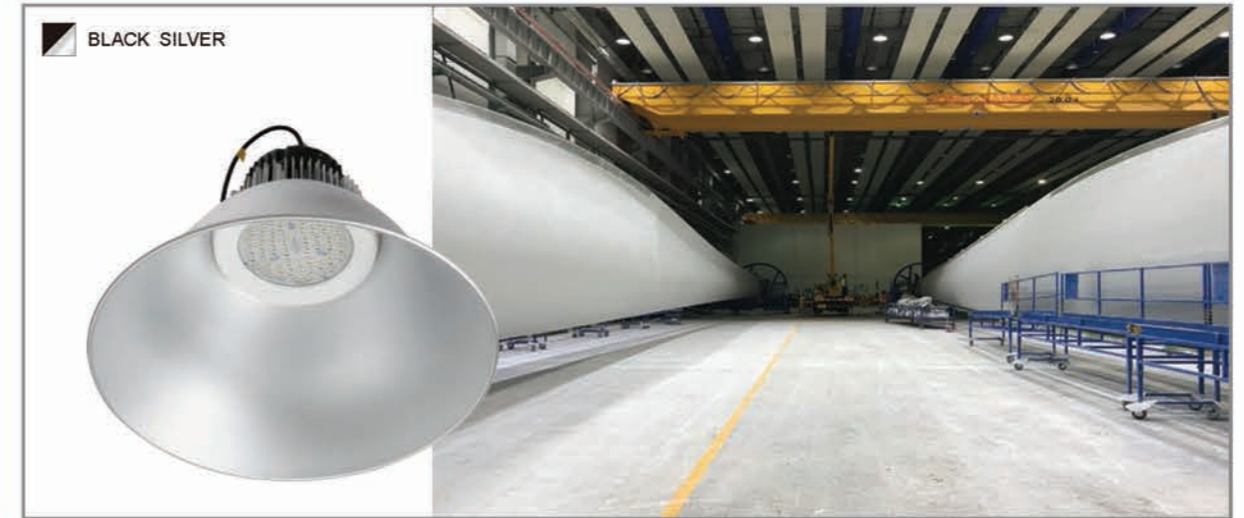
- Unique patented IP68 LED light engines;
- Ergonomic and dedicated lighting distributions available for warehouse, workshop, hall lighting, etc;
- Whole structure heating dissipation design with excellent thermal conduction, radiation and convection;
- Flexible to reach desired power selections by choosing appropriate light engines;
- Tool-free onsite replacements of light engines greatly reduce maintenance cost;
- 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, pendant, or surface mount.

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	5		6
Power	200W 250W 300W		240W 300W 360W
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 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℃		

LF8

**MODULAR LED
HIGH BAY LIGHTS**



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 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;
- Optional metal or PC reflectors;
- Compact light weight construction for easy installation.

TECHNICAL PARAMETERS

Input Voltage	100-277Vac			
Power factor	0.95			
Available CCT	3000K/4000K/5000K/5700K			
Module Type	L15A-XB series	L15B-XB series	L15C-XB series	L15A-XB series
Photo				
Module Quantity	1			
Power	40W-200W			
Typical Luminous Efficacy	135±8lm/W@40W 120±8lm/W@50W	120±8lm/W@60W 125±8lm/W@80W	135±8lm/W@50W 135±8lm/W@60W 150±8lm/W@80W 145±8lm/W@100W 140±8lm/W@120W 135±8lm/W@150W	143±8lm/W@150W 135±8lm/W@180W 143±8lm/W@200W
Lighting distribution	60° 90° See lighting distribution options on appendix			
Working Temperature	-40~+50℃			



CE RoHS



■ 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 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	L15A-XB series	L15B-XB series	L15C-XB series	L15A-XB series
Photo				
Module Quantity	1			
Power	40W-200W			
Typical Luminous Efficacy	115±8lm/W@40W 102±8lm/W@50W	102±8lm/W@60W 106±8lm/W@80W	115±8lm/W@50W 115±8lm/W@60W 128±8lm/W@80W 123±8lm/W@100W 119±8lm/W@120W 115±8lm/W@150W	122±8lm/W@150W 115±8lm/W@180W 122±8lm/W@200W
Lighting distribution	60° 90° See lighting distribution options on appendix			
Working Temperature	-40~+50℃			



CE CB RoHS



■ MAIN FEATURES

- 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 150lm/W;
- Effectively replaces HID products of 70-400W;
- Compact light weight construction for easy installation.

■ TECHNICAL PARAMETERS

Input Voltage	100-277Vac			
Power Factor	0.95			
Available CCT	3000K/4000K/5000K/5700K			
Power	30W-200W			
Lamp Model	LF9A	LF9B	LF9C	LF9D
Typical Luminous Efficacy	140±5lm/W@50W	140±8lm/W@80W	150±8lm/W@100W 150±8lm/W@120W 150±8lm/W@150W	140±8lm/W@180W
Lighting distribution	60° 90° See lighting distribution options on appendix			
Working Temperature	-40~+50℃			

LF21

MODULAR LED HIGH BAY LIGHTS



CE CB RoHS



MAIN FEATURES

- 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.

TECHNICAL PARAMETERS

Input Voltage	200-277Vac			
Power Factor	0.95			
Available CCT	3000K/4000K/5000K/5700K			
Power	50W-200W			
Lamp Model	LF21A	LF21B	LF21C	TF21D
Typical Luminous Efficacy	125±8lm/W@50W 120±8lm/W@60W	133±8lm/W@80W 127±8lm/W@100W	133±8lm/W@120W 127±8lm/W@150W	130±8lm/W@180W 127±8lm/W@200W
Lighting distribution	60° 90° See lighting distribution options on appendix			
Working Temperature	-40~+45°C			

LF28

MODULAR LED HIGH BAY LIGHTS



CE RoHS



MAIN FEATURES

- 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;
- Separable reflector reduces glare;
- Suitable for dry environment.

TECHNICAL PARAMETERS

Input Voltage	100-240Vac		
Power factor	0.95		
Available CCT	3000K/4000K/5000K/5700K		
Model Name	LF28B	LF28C	LF28D
Power	Maximum 100W	Maximum 150W	Maximum 240W
Typical Luminous Efficacy	137±8lm/W@80W 130±8lm/W@100W	125±8lm/W@120W 135±8lm/W@150W	135±8lm/W@180W 130±8lm/W@200W 130±8lm/W@240W
Lighting distribution	60° 90° See lighting distribution options on appendix		
Working Temperature	-40~+50°C		

LF31A MODULAR LED HIGH BAY LIGHTS



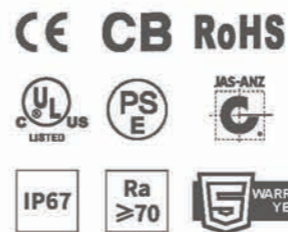
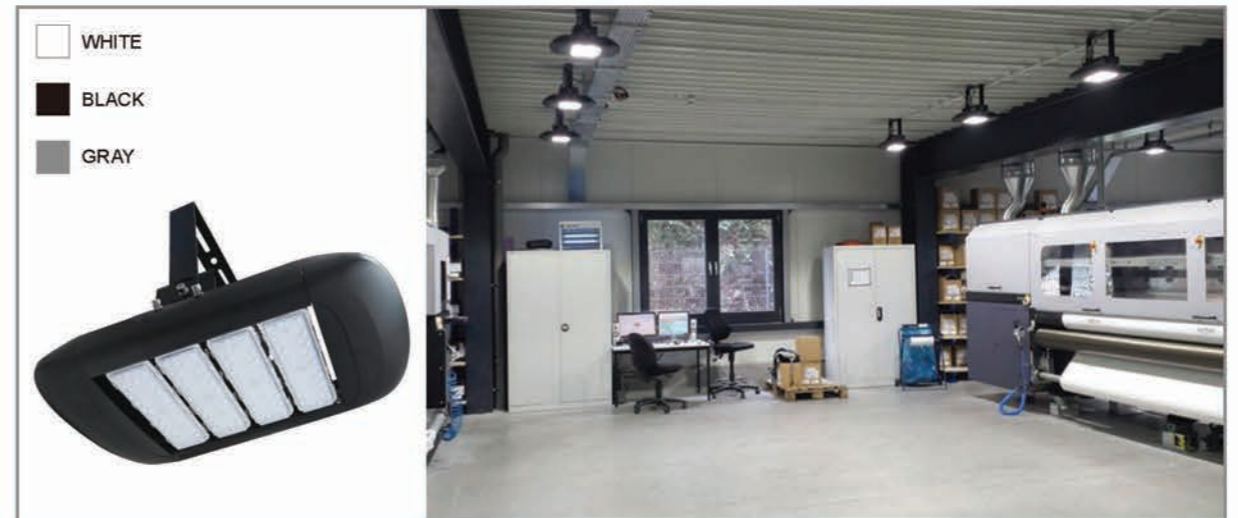
MAIN FEATURES

- 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;
- Unmatched lighting performance, driver stability and desirable lifespan;
- Angle adjustable within 360° with mounting brackets.

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	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 152±5lm/W@1000mA		130±5lm/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				
Working Temperature	-40~+50℃				

LF1A MODULAR LED HIGH BAY LIGHTS



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

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 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℃						