



CONCO SERIES
Split Style Street Light

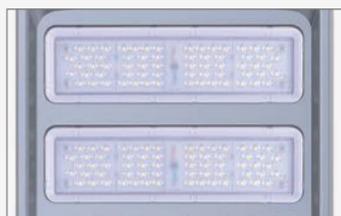
SOLAR/LED STREET LIGHT



TOP FRONT (double modular) FRONT (three modular) FRONT (four modular)

INTELLIGENT AND EFFICIENT ENERGY CONSERVATION SIMPLE WITH FASHION

CONCO series LED street light combines green lighting, energy saving and environmental protection, as well as the decoration of the city landscape and is designed as a simple and smooth shape, compact LED street lamp, which is suitable for the road lighting in cities, villages, industrial parks and other places.



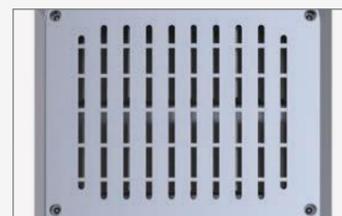
Batwing Lens

The lens is Teijin brand.1225Z is of high strength and high adaptability.



Installation reliability design

φ60mm sleeve, built-in hoop design, showing product hidden characteristics, internal structure to strengthen safety and reliability.

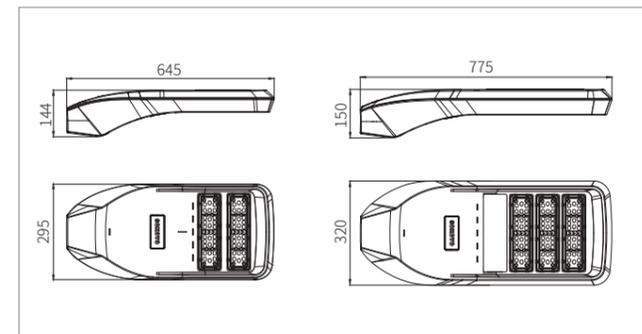


Radiator hole design

Good heat dissipation, ADC12 high pressure die-cast aluminum molding, impact resistance, corrosion resistance, electrostatic spray treatment after shot blast.



KY-F-HX DC CONCO Split style solar street light



Unique thermal modules ensures the best working temperature of the light source;
International famous brand LED chip, uniform illumination, no glare;
No need to open the cover for installation and disassembly, easy to operate;
Pluggable circuit connection, simple maintenance;
Patent design, novel and fashionable.

Product Model	KY-F-HX-001	KY-F-HX-002	KY-F-HX-003	KY-F-HX-004
Rated Power	80W	100W	120W	150W
System Voltage	DC24V			
Lithium Battery	25.6V/40AH 1024WH	25.6V/50AH 1280WH	25.6V/60AH 1536WH	25.6V/80AH 2048WH
Suggested Solar Panel	180W/36V	240W/36V	360W/36V	360W/36V
Light Source	3030/5050			
Light Distribution	Bat-Wing light distribution (150°x75°)			
Light Efficiency	≥130LM/W	≥130LM/W	≥130LM/W	≥130LM/W
Color Temperature	3000K/4000K/5700K/6500K			
CRI	≥Ra70			
IP Rate	IP66			
IK Rate	IK08			
Working Temperature	-40°C~+60°C			
Product Weight	4.6kg			7.6kg
LED Lifespan	>50000H			
Controller	12V/24V 15A		12V/24V 20A	
Mount Diameter	φ60mm			
Lamp Dimension	645×295×144mm			775×320×150mm
Package Dimension	695×350×200mm (1pc/CTN)			830×370×210mm (1pc/CTN)
Suggested Mount Height	8m~10m		10m~12m	

SOLAR PANELS ARE OPTIONAL



Monocrystal solar panels

The photoelectric conversion efficiency of monocrystalline silicon solar cells is 15-24%, which is the highest in all kinds of solar cells at present. Because monocrystalline silicon is usually sealed with toughened glass and waterproof resin, it is strong and durable, with a service life of 15 to 25 years.

Product Model	Rated Power	Working voltage	Working current	Open Circuit Voltage	Short Circuit Current	L(mm)	W(mm)	H(mm)	Weight(kg)
S-180.36-A1510	180	36	5	43.2	5	680	1510	35	12
S-240.36-B1330	240	36	6.67	43.2	7.34	1000	1330	35	15.3
S-360.36-B1970	360	36	10	43.2	11	1000	1970	35	22.9

INTEGRATED LITHIUM BATTERY AND CONTROLLER



Smart Controller

With intelligent control of lighting time, overcharge, over discharge, electronic short circuit, overload protection, anti-reverse connection protection and other functions, it can adapt to cold, high temperature, humidity and other environments.



6063 - T5 aluminium
Gorgeous colors
Good corrosion resistance
Strong toughness

High efficiency lithium battery

High efficiency, light weight and long service life. Inhibits battery polarization, reduces thermal effect and improves rate performance.

Built-in lithium iron phosphate battery pack

Good safety performance, light weight, large battery capacity, good circulation performance, flexible design.



Product Model	Specification	Voltage	L(mm)	W(mm)	H(mm)	Weight(kg)
C1-40.24	40AH	25.6V	500	169	120	9.0
C1-50.24	50AH	25.6V	600	169	120	10.8
C1-60.24	60AH	25.6V	700	169	120	12.7
C1-80.24	80AH	25.6V	890	169	120	16.3

Built-in lithium iron phosphate flat head battery

Mature automatic production technology, high yield of products, and more deep cycles of the cell.



Product Model	Specification	Voltage	L(mm)	W(mm)	H(mm)	Weight(kg)
C2-48.24	48AH	25.6V	650	169	120	9.0
C2-60.24	60AH	25.6V	780	169	120	10.8
C2-72.24	72AH	25.6V	910	169	120	12.7
C2-84.24	84AH	25.6V	1050	169	120	16.3

BATTERY INSTALLATION MODE IS OPTIONAL

Gel battery installation mode



Installation method of lithium iron phosphate battery







KY-D-HX AC
CONCO LED street light

Unique thermal modules ensures the best working temperature of the light source;
International famous brand LED chip, uniform illumination, no glare;
No need to open the cover for installation and disassembly, easy to operate;
Pluggable circuit connection, simple maintenance;
Patent design, novel and fashionable.



DETAILS OF THE RIGOROUS STRUCTURE AND RELIABLE NOT AFRAID OF WIND AND RAIN

Outdoor LED street lamps not only need go through wind and frost, but also to experience hot summer. The modular design achieves IP65 protection rating, effectively isolating salt tide, dust and heat, enabling it to cope with the harsh outdoor environment.



AC power supply (AC only)

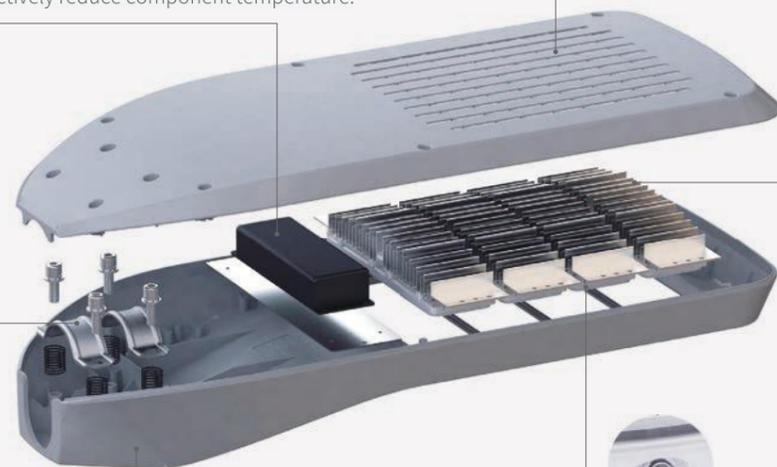
Energy-saving, efficient, reliable, long life, IP67 protection, die-cast aluminum shell, good heat dissipation, low power consumption, can effectively reduce component temperature.



Heat emission hole
Help lamps heat.



Reinforce the hedge



6063 aluminum radiator
High thermal conductivity; Large heat dissipation surface design within normal cooling limits.



Batwing Lens
The lens is Teijin brand.1225Z is of high strength and high adaptability.

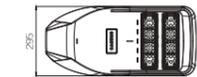
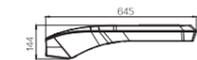
High-pressure cast aluminum lamp body
ADC12 high pressure die-cast aluminum molding, impact resistance, corrosion resistance, electrostatic spray treatment after shot blast.

TECHNICAL PARAMETERS

Product Model	KY-D-HX-001	KY-D-HX-002	KY-D-HX-003	KY-D-HX-004	KY-D-HX-005
Rated Power	80W	100W	120W	150W	180W
System Voltage	AC100V-305V			AC100V-305V	
Rated Current	1.7A	1.88A	2.25A	2.8A	3.38A
Light Source	LUMILEDS 3030/5050			LUMILEDS 3030/5050	
Light Distribution	Bat-Wing light distribution (150°x75°)			Bat-Wing light distribution (150°x75°)	
Light Efficiency	≥130LM/W			≥130LM/W	
Color Temperature	3000K/4000K/5700K/6500K			3000K/4000K/5700K/6500K	
CRI	≥Ra70			≥Ra70	
IP Rate	IP67			IP67	
IK Rate	IK08			IK08	
Working Temperature	-40°C~+60°C			-40°C~+60°C	
Product Weight	4.6kg			7.6kg	
LED Lifespan	>50000H			>50000H	
Controller	Meanwell			Meanwell	
Mount Diameter	φ60mm			φ60mm	
Lamp Dimension	645×295×144mm			775×320×150mm	
Package Dimension	695×350×200mm (1pc/CTN)			830×370×210mm (1pc/CTN)	
Suggested Mount Height	8m-10m			10m-12m	

Product Model	KY-D-HX-006	KY-D-HX-007
Rated Power	200W	240W
System Voltage	AC100V-305V	
Rated Current	3.75A	4.5A
Light Source	LUMILEDS 3030/5050	
Light Distribution	Bat-Wing light distribution (150°x75°)	
Light Efficiency	≥130LM/W	
Color Temperature	3000K/4000K/5700K/6500K	
CRI	≥Ra70	
IP Rate	IP67	
IK Rate	IK08	
Working Temperature	-40°C~+60°C	
Product Weight	8.3kg	
LED Lifespan	>50000H	
Controller	Meanwell	
Mount Diameter	φ60mm	
Lamp Dimension	775×320×150mm	
Package Dimension	830×370×210mm (1pc/CTN)	
Suggested Mount Height	12m-15m	

PRODUCT DIMENSION



KY-D-HX-001
KY-D-HX-002
KY-D-HX-003



KY-D-HX-004
KY-D-HX-005



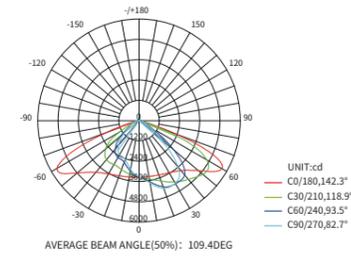
KY-D-HX-006
KY-D-HX-007

LIGHT DISTRIBUTION CURVE

Street Light Intensity Test Report(80W Parameter)

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	KY-D-HX-001	Imax (cd)	5679	η street up (%)	0.4
NOMINAL POWER (W)	80	LOR (%)	100.0	η street down (%)	54.2
RATED VOLTAGE (V)	42	TOTAL FLUX (lm)	12142	η house up (%)	0.3
NOMINAL FLUX (lm)	6071.02	MAXIMUM θ (C, γ)	180°, 58.0°	η house down (%)	45.0
LAMPS INSIDE	2	η up (%)	0.8	76 FLASHAREA (m ²)	
TSET VOLTAGE (V)	43	η down (%)	99.2	STL	

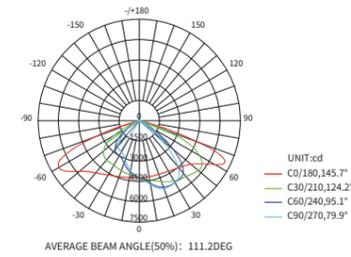
Meridian Light Distribution Curve(80W Parameter)



Street Light Intensity Test Report(100W Parameter)

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	KY-D-HX-002	Imax (cd)	7053	η street up (%)	0.4
NOMINAL POWER (W)	100	LOR (%)	100.0	η street down (%)	53.5
RATED VOLTAGE (V)	48	TOTAL FLUX (lm)	15221	η house up (%)	0.3
NOMINAL FLUX (lm)	7610.48	MAXIMUM θ (C, γ)	0°, 64.0°	η house down (%)	45.7
LAMPS INSIDE	2	η up (%)	0.7	76 FLASHAREA (m ²)	
TSET VOLTAGE (V)	49.8	η down (%)	99.3	STL	

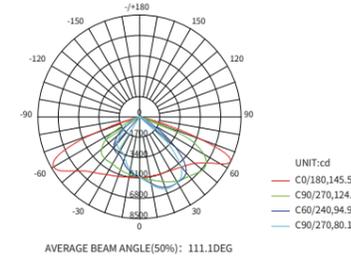
Meridian Light Distribution Curve(100W Parameter)



Street Light Intensity Test Report(120W Parameter)

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	KY-D-HX-003	Imax (cd)	8468	η street up (%)	0.4
NOMINAL POWER (W)	120	LOR (%)	100.0	η street down (%)	53.5
RATED VOLTAGE (V)	48	TOTAL FLUX (lm)	18189	η house up (%)	0.3
NOMINAL FLUX (lm)	9094.52	MAXIMUM θ (C, γ)	0°, 64.0°	η house down (%)	45.7
LAMPS INSIDE	2	η up (%)	0.7	76 FLASHAREA (m ²)	
TSET VOLTAGE (V)	50.1	η down (%)	99.3	STL	

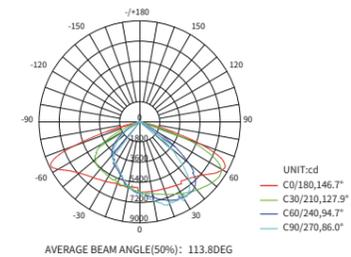
Meridian Light Distribution Curve(120W Parameter)



Street Light Intensity Test Report(150W Parameter)

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	KY-D-HX-004	Imax (cd)	8875	η street up (%)	0.4
NOMINAL POWER (W)	150	LOR (%)	100.0	η street down (%)	55.5
RATED VOLTAGE (V)	48	TOTAL FLUX (lm)	21831	η house up (%)	0.3
NOMINAL FLUX (lm)	7276.96	MAXIMUM θ (C, γ)	180°, 64.0°	η house down (%)	43.8
LAMPS INSIDE	3	η up (%)	0.8	76 FLASHAREA (m ²)	
TSET VOLTAGE (V)	49.1	η down (%)	99.2	STL	

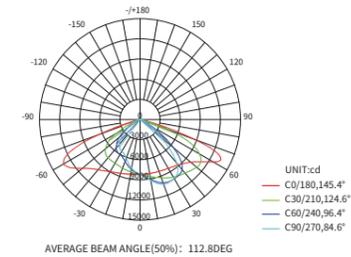
Meridian Light Distribution Curve(150W Parameter)



Street Light Intensity Test Report(200W Parameter)

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	KY-D-HX-006	Imax (cd)	13426	η street up (%)	0.4
NOMINAL POWER (W)	200	LOR (%)	100.0	η street down (%)	53.9
RATED VOLTAGE (V)	48	TOTAL FLUX (lm)	29507	η house up (%)	0.3
NOMINAL FLUX (lm)	7376.75	MAXIMUM θ (C, γ)	0°, 63.0°	η house down (%)	45.4
LAMPS INSIDE	4	η up (%)	0.7	76 FLASHAREA (m ²)	
TSET VOLTAGE (V)	51.0	η down (%)	99.3	STL	

Meridian Light Distribution Curve(200W Parameter)



POLE SELECTION

