



LED 照明产品 (户外篇)

Outdoor LED Lighting Catalogue

Version number:SCN1601



Light from the heart

从心亮起的光明



广东中照光电科技有限公司（CNL中照光电）始创于2009年，注册资金人民币壹仟万元，厂房面积10万平方米，是一家致力于绿色照明领域的高新技术型企业。

CNL广东中照光电公司集研发、制造、销售、服务于一体，致力于为全球用户提供高品质的照明产品及方案。获得六十多项产品专利其中有九项发明专利。多次参与中国照明电器行业国家标准起草。拥有装备先进的照明技术试验中心，获得欧盟ENEC和美国UL等国际实验机构的实验能力认可。拥有国际一流的生产设备，全面运行SPC过程控制系统,实现过程质量信息在线实时监控。

CNL广东中照光电在国内有完善的销售和售后服务网络体系，在城市节能改造、城市亮化、道路交通照明、商业照明、景观照明、家居照明、体育场馆照明、工矿照明等照明工程领域，为客户提供整体照明解决方案及高品质的照明产品，并获得用户高度评价和优秀工程案例荣誉。

CNL广东中照光电秉承以服务顾客为宗旨，为用户提供节能、环保、安全、和谐的照明产品。





Founded in 2009, Guangdong CNL Optoelectronics Technology Co., Ltd. (CNL) with a registered capital of one thousand million RMB and manufacturing space over 100,000 square meters, is a high-tech enterprise which committed to the field of green lighting.

CNL is a professional lighting company integrating R&D, manufacturing, sale and service. We dedicated to provide high-quality lighting products and solutions for global users. CNL achieved more than 60 patented technologies in Including 9 invention patents, and participated standard drafting in the national drafting committee of China's illumination standard. Test center equipped with state-of-the-art lighting technology has authorized by EU ENEC and UL and other international experimental institutions. SPC process control system was introduced in our world-class production equipment to achieve real-time monitoring in the product processing quality information online.

CNL has a perfect sales and after-sales service network system in China, providing customers with the total lighting solutions and high-quality lighting products in the field of urban energy saving project, city lighting project, road traffic lighting project, commercial lighting project, landscape lighting, home lighting, stadium lighting, industrial lighting and other engineering lighting projects, and that has obtained the outstanding projects honor and high appraisal of the customers..

CNL will always abide by the principal of customer first by providing them energy-saving, environmental friendly, safety and harmonious lighting products.





LED Architectural Lighting Series

LED 景观照明系列



LED 投光灯

LED Spotlight

产品特点/Characteristic

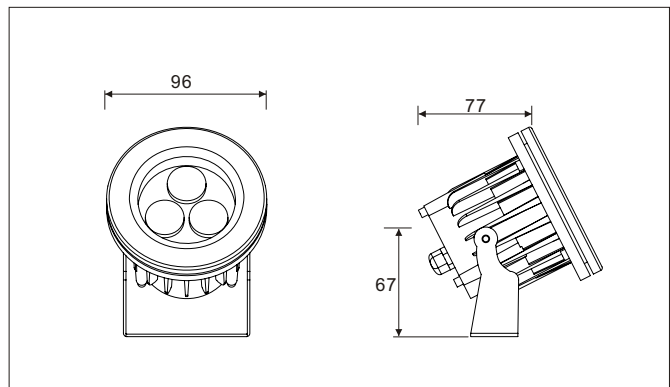
- 灯体采用高纯铸铝灯壳，散热结构优化设计，保证LED发光效率和使用寿命。
 - 面罩采用加厚钢化玻璃，抗冲击，耐摩擦。
 - LED光源采用进口原装光源。配光采用光学级抗UV透镜，透光效率90%以上，并具有优良的耐气候特点，可满足长期室外使用需求。
 - 灯具颜色：沙纹灰。
 - LED驱动电源：恒流驱动方式，50000小时寿命保障。
 - 电气绝缘等级：Class I，RGB为Class II。
 - 灯具防护等级：IP65。
 - 灯具防腐等级：WF1。
 - 灯具使用寿命：≥50000小时(正常使用情况下)。
- High purity die-casting aluminum lamp shell, thermal structure, which guarantees LED light efficiency and service life.
 - Thick tempered glass cover, anti-impact, friction-resistant.
 - Adopted Imported lamp. Optical class anti-UV lens, transmission efficiency reaches 90%, excellent weather resistance, could meet needs of long time outdoor use.
 - Color: ripple ash.
 - LED driver: driven by constant current, 50000 hours service life.
 - Electrical insulation class: Class I RGB: Class II.
 - IP class: Ip65.
 - Antisepsis class: Wf1.
 - Service life: ≥50000h (under normal use).

适用环境/Applications

- 人行道路、停车场、广场、公园景观、树木、广告等户外照明与装饰。
- Road, parking lot, city district, green lighting, advertising, building outlines and other outdoor lighting.



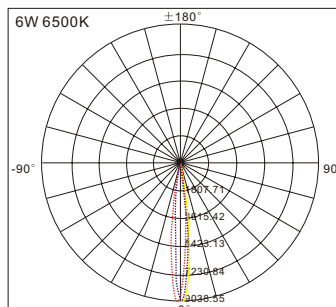
TG06/3W



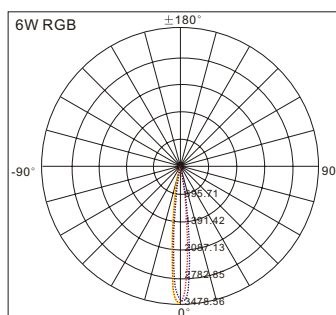
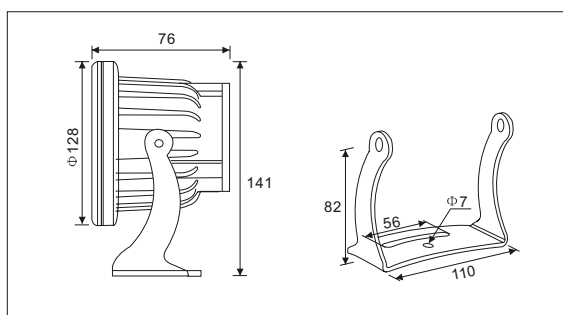
TG05/6W



配光曲线
Light distribution curve



	Center Beam	Beam Width	
		V	H
2m	2215.73LUX	0.4m	0.4m
4m	553.93LUX	0.7m	0.8m
6m	246.19LUX	1.1m	1.2m
8m	138.48LUX	1.5m	1.6m
10m	88.63LUX	1.9m	2.1m
12m	61.55LUX	2.2m	2.5m

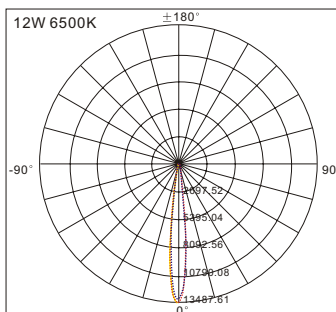


	Center Beam	Beam Width	
		V	H
2m	844.16LUX	0.4m	0.4m
4m	211.04LUX	0.9m	0.9m
6m	5.11LUX	1.3m	1.3m
8m	2.88LUX	1.8m	1.8m
10m	1.84LUX	2.2m	2.2m
12m	1.28LUX	2.7m	2.7m

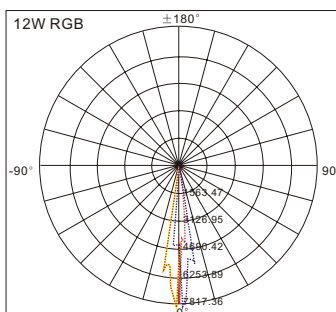
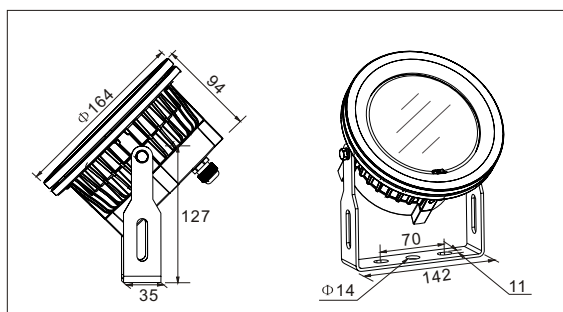
TG02/12W



配光曲线
Light distribution curve

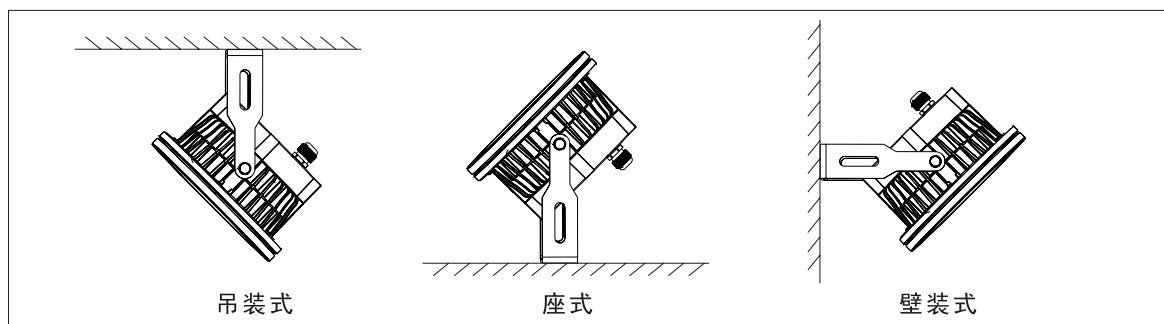


	Center Beam	Beam Width	
		V	H
2m	3236.57LUX	0.4m	0.4m
4m	809.14LUX	0.8m	0.8m
6m	359.62LUX	1.3m	1.2m
8m	202.29LUX	1.7m	1.6m
10m	129.46LUX	2.1m	2.0m
12m	89.90LUX	2.5m	2.5m

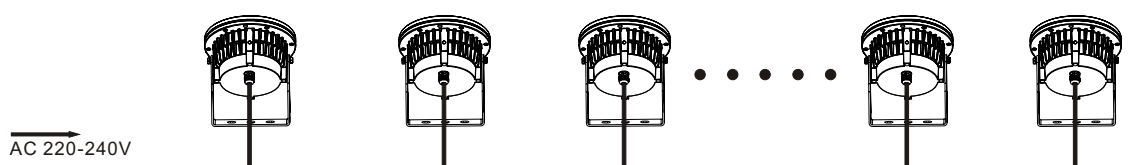


	Center Beam	Beam Width	
		V	H
2m	1949.20LUX	0.4m	0.4m
4m	487.30LUX	0.8m	0.9m
6m	216.58LUX	1.2m	1.3m
8m	121.83LUX	1.7m	1.7m
10m	77.97LUX	2.1m	2.2m
12m	54.14LUX	2.5m	2.6m

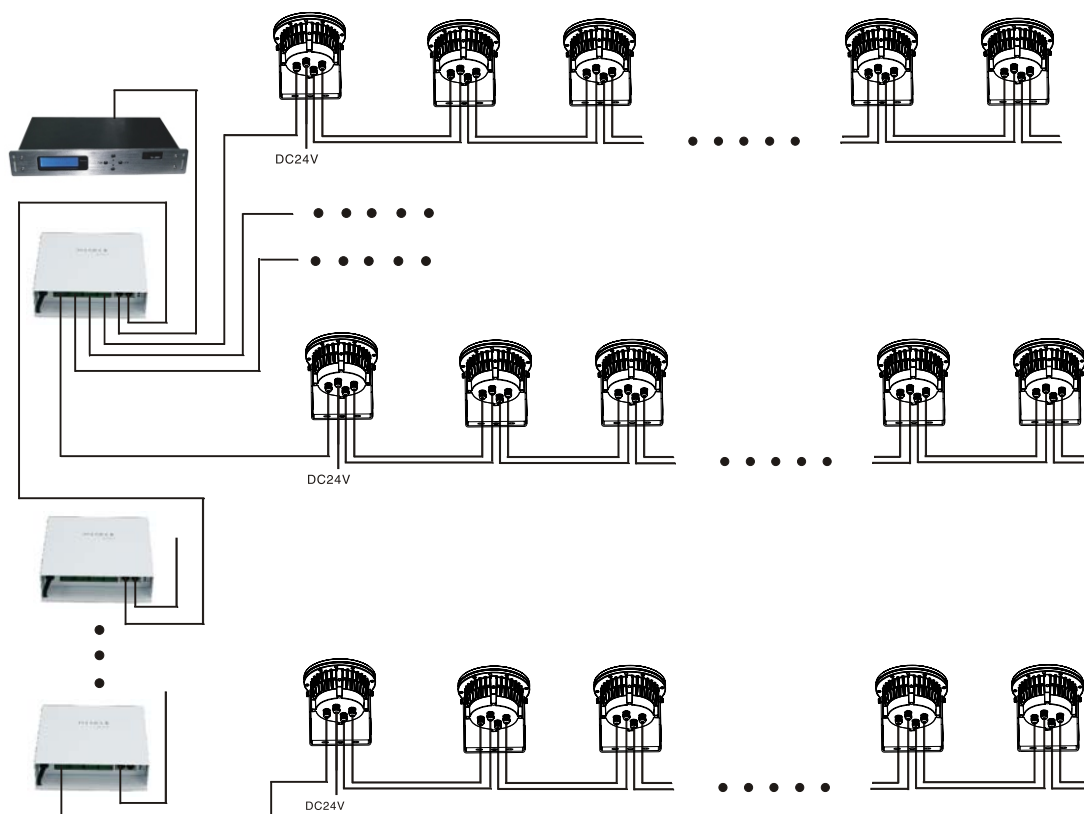
产品安装方式/Spotlight Luminaire installation



单色接线图 /Single wiring diagram



RGB接线图（采用DMX512控制方式）/RGB wiring diagram（Apply DMX512 control mode）



注:

1. 主控到分控的最大距离应小于100米。
2. 信号线布线大于100米或灯具超过32PCS, 需增加信号放大器。
3. 每一台主控最多可带32台分控。
4. 每台分控带4个端口, 每个端口最多可控170台灯具, 具体要看使用情况而定。

Remarks:

1. The maximum distance between master controller and sub-master controllers should be less than 100Meter
2. When the wiring of signal line is over 100Meter or quantity of lamp is more than 32pcs, it's necessary to add signal amplifier
3. Each master controller can be installed with 32pcs of sub-master controller at the most.
4. Each sub-master controller is with 4 terminals, and one terminal can control 170pcs of lamps at the most. It all depends on the actual condition.

订货指南/Order Guide

ERP 产品ERP编码 Product Code	V 额定电压 Rated Voltage	V 最大工作电压范围 Max.Operation voltage range	W 功率 Power	W 线路功率 Circuit Power	PF 功率因数 Power Factor	LM 光通量 Flux	K 色温 CCT	发光角度 Beam Angle	可选角度 Optional Angle	h 设计寿命 Life	颜色 Color	IP IP等级 IP Rating
HQLF3/221/TG06 CREE 3W												
---	AC220-240	AC100-240	3	≤4.2	≥0.5	---	---	30	45	50000	Red	IP65
---	AC220-240	AC100-240	3	≤4.2	≥0.5	---	---	30	45	50000	Green	IP65
---	AC220-240	AC100-240	3	≤4.2	≥0.5	---	---	30	45	50000	Blue	IP65
---	AC220-240	AC100-240	3	≤4.2	≥0.5	200	3000	30	45	50000	WW	IP65
---	AC220-240	AC100-240	3	≤4.2	≥0.5	220	4000	30	45	50000	NW	IP65
---	AC220-240	AC100-240	3	≤4.2	≥0.5	240	6500	30	45	50000	CW	IP65
HQLF3/D24/TG06 CREE 3W												
---	DC24	---	3	≤4.2	---	---	---	30	45	50000	RGB	IP65
HQLF6/221/TG05 CREE 6W												
2511654010	AC220-240	AC100-240	6	≤8	≥0.6	---	---	10	30/45	50000	Red	IP65
2511654013	AC220-240	AC100-240	6	≤8	≥0.6	---	---	10	30/45	50000	Green	IP65
2511654011	AC220-240	AC100-240	6	≤8	≥0.6	---	---	10	30/45	50000	Blue	IP65
2511654014	AC220-240	AC100-240	6	≤8	≥0.6	410	3000	10	30/45	50000	WW	IP65
2511654012	AC220-240	AC100-240	6	≤8	≥0.6	460	4000	10	30/45	50000	NW	IP65
2511654015	AC220-240	AC100-240	6	≤8	≥0.6	500	6500	10	30/45	50000	CW	IP65
HQLF6/D24/TG05 CREE 6W												
2511654016	DC24	---	6	≤8	---	---	---	10	30/45	50000	RGB	IP65
HQLF6/221/TG05 晶元 6W												
2511654017	AC220-240	AC100-240	6	≤8	≥0.6	---	---	10	30/45	50000	Red	IP65
2511654018	AC220-240	AC100-240	6	≤8	≥0.6	---	---	10	30/45	50000	Green	IP65
2511654019	AC220-240	AC100-240	6	≤8	≥0.6	---	---	10	30/45	50000	Blue	IP65
2511654020	AC220-240	AC100-240	6	≤8	≥0.6	410	3000	10	30/45	50000	WW	IP65
2511654021	AC220-240	AC100-240	6	≤8	≥0.6	460	4000	10	30/45	50000	NW	IP65
2511654022	AC220-240	AC100-240	6	≤8	≥0.6	500	6500	10	30/45	50000	CW	IP65
HQLF6/D24/TG05 晶元 6W												
2511654023	DC24	---	6	≤8	---	---	---	10	30/45	50000	RGB	IP65
HQLF12/221/TG02 CREE 12W												
2511664023	AC220-240	AC100-240	12	≤14	≥0.9	---	---	10	30/45	50000	Red	IP65
2511664024	AC220-240	AC100-240	12	≤14	≥0.9	---	---	10	30/45	50000	Green	IP65
2511664025	AC220-240	AC100-240	12	≤14	≥0.9	---	---	10	30/45	50000	Blue	IP65
2511664026	AC220-240	AC100-240	12	≤14	≥0.9	820	3000	10	30/45	50000	WW	IP65
2511664027	AC220-240	AC100-240	12	≤14	≥0.9	910	4000	10	30/45	50000	NW	IP65
2511664028	AC220-240	AC100-240	12	≤14	≥0.9	1000	6500	10	30/45	50000	CW	IP65
HQLF12/D24/TG02 CREE 12W												
2511664029	DC24	---	12	≤14	---	---	---	10	30/45	50000	RGB	IP65
HQLF12/221/TG02 晶元 12W												
2511664030	AC220-240	AC100-240	12	≤14	≥0.9	---	---	10	30/45	50000	Red	IP65
2511664031	AC220-240	AC100-240	12	≤14	≥0.9	---	---	10	30/45	50000	Green	IP65
2511664032	AC220-240	AC100-240	12	≤14	≥0.9	---	---	10	30/45	50000	Blue	IP65
2511664033	AC220-240	AC100-240	12	≤14	≥0.9	820	3000	10	30/45	50000	WW	IP65
2511664034	AC220-240	AC100-240	12	≤14	≥0.9	910	4000	10	30/45	50000	NW	IP65
2511664035	AC220-240	AC100-240	12	≤14	≥0.9	1000	6500	10	30/45	50000	CW	IP65
HQLF12/D24/TG02 晶元 12W												
2511664036	DC24	---	12	≤14	---	---	---	10	30/45	50000	RGB	IP65

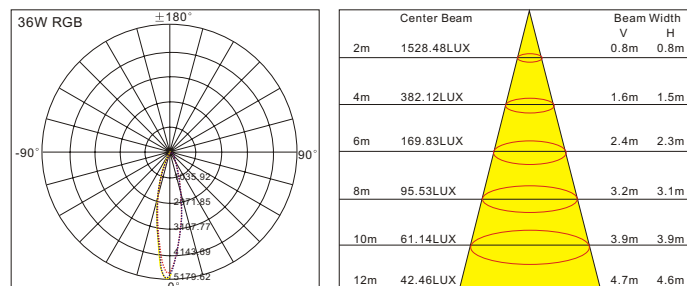
*以上产品编码属于对应的发光角度产品，订货时请注明发光角度。

Above order code is corresponding to different beam angle, customers should state the beam angle while placing.

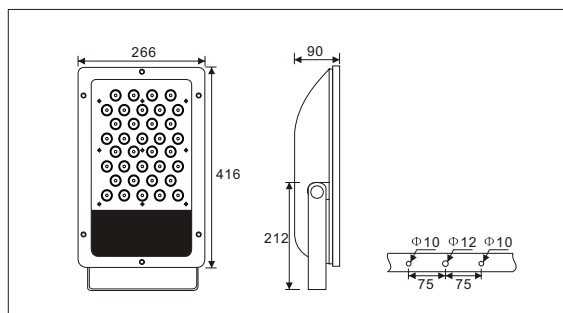
TG04/36W



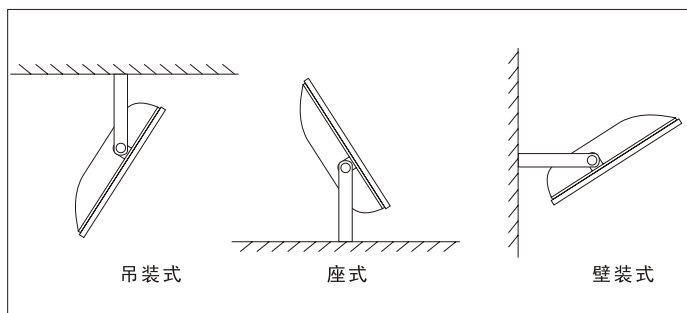
配光曲线 Light distribution curve



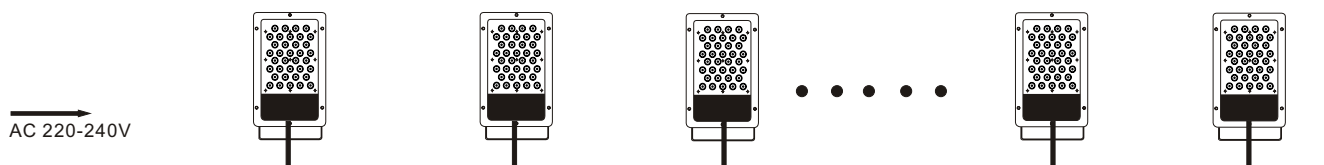
产品尺寸/ Product size



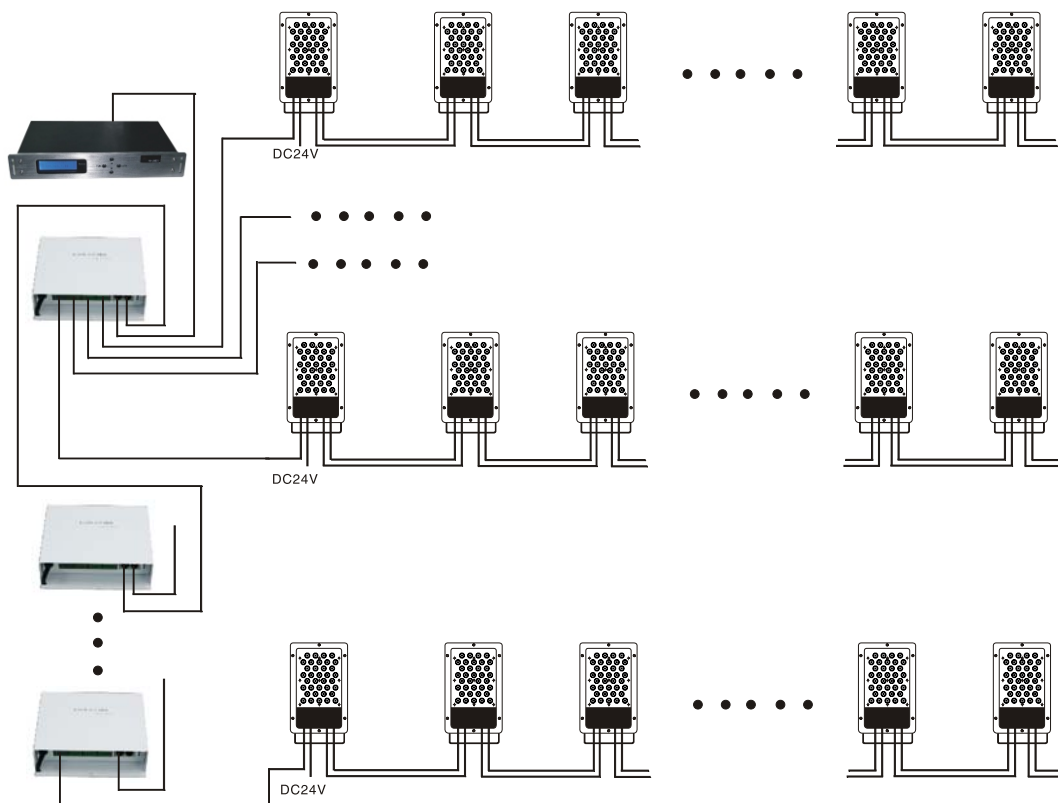
安装方式/luminaire installation



单色接线图 /Single wiring diagram



RGB接线图（采用DMX512控制方式）/RGBWiring diagram（Apply DMX512 control mode）



注:

1. 主控到分控的最大距离应小于100米。
2. 信号线布线大于100米或灯具超过32PCS, 需增加信号放大器。
3. 每一台主控最多可带32台分控。
4. 每台分控带4个端口, 每个端口最多可控170台灯具, 具体要看使用情况而定。

Remarks:

1. The maximum distance between master controller and sub-master controller should be less than 100 Meter
2. When the wiring of signal line is over 100 Meter or quantity of lamp is more than 32 pcs, it's necessary to add signal amplifier
3. Each master controller can be installed with 32 pcs of sub-master controller at the most.
4. Each sub-master controller is with 4 terminals, and one terminal can control 170 pcs of lamps at the most. It all depends on the actual condition.

订货指南/Order Guide

ERP	V	V	W	W	PF	LM	K	▲	▲	h	Color	IP
产品ERP编码 Product Code	额定电压 Rated Voltage	最大工作电压范围 Max. Operation voltage range	功率 Power	线路功率 Circuit Power	功率因数 Power Factor	光通量 Flux	色温 CCT	发光角度 Beam Angle	可选角度 Optional Angle	设计寿命 Life	颜色 Color	IP等级 IP Rating
HQLF36/221/TG04 CREE 36W												
2511648015	AC220-240	AC100-240	36	≤40	≥0.9	---	---	60	10/30/45	50000	Red	IP65
2511648016	AC220-240	AC100-240	36	≤40	≥0.9	---	---	60	10/30/45	50000	Green	IP65
2511648017	AC220-240	AC100-240	36	≤40	≥0.9	---	---	60	10/30/45	50000	Blue	IP65
2511648018	AC220-240	AC100-240	36	≤40	≥0.9	2470	3000	60	10/30/45	50000	WW	IP65
2511648019	AC220-240	AC100-240	36	≤40	≥0.9	2750	4000	60	10/30/45	50000	NW	IP65
2511648001	AC220-240	AC100-240	36	≤40	≥0.9	3000	6500	60	10/30/45	50000	CW	IP65
HQLF36/D24/TG04 CREE 36W												
2511648002	DC24	---	36	≤40	---	---	---	60	10/30/45	50000	RGB	IP65
HQLF36/221/TG04 晶元 36W												
2511648020	AC220-240	AC100-240	36	≤40	≥0.9	---	---	60	10/30/45	50000	Red	IP65
2511648021	AC220-240	AC100-240	36	≤40	≥0.9	---	---	60	10/30/45	50000	Green	IP65
2511648022	AC220-240	AC100-240	36	≤40	≥0.9	---	---	60	10/30/45	50000	Blue	IP65
2511648023	AC220-240	AC100-240	36	≤40	≥0.9	2470	3000	60	10/30/45	50000	WW	IP65
2511648024	AC220-240	AC100-240	36	≤40	≥0.9	2750	4000	60	10/30/45	50000	NW	IP65
2511648025	AC220-240	AC100-240	36	≤40	≥0.9	3000	6500	60	10/30/45	50000	CW	IP65
HQLF36/D24/TG04 晶元 36W												
2511648026	DC24	---	36	≤40	---	---	---	60	10/30/45	50000	RGB	IP65

*以上产品编码属于对应的发光角度产品, 订货时请注明发光角度。

Above order code is corresponding to different beam angle, customers should state the beam angle while placing.

TG27 TG28 TG29



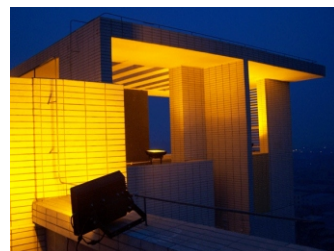
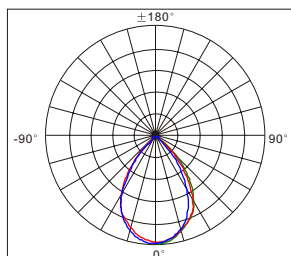
产品特点/Characteristic

- 灯体采用高纯铸铝灯壳，散热结构优化设计，保证LED发光效率和使用寿命。
- LED光源采用CREE原装光源，CREE封装技术。
- 灯具颜色：沙纹灰。
- LED驱动电源：恒流驱动方式，50000小时寿命保障。
- 电气绝缘等级：Class I。
- 灯具防护等级：IP65。
- 灯具防腐等级：WF1。
- 灯具使用寿命：≥50000小时(正常使用情况下)。

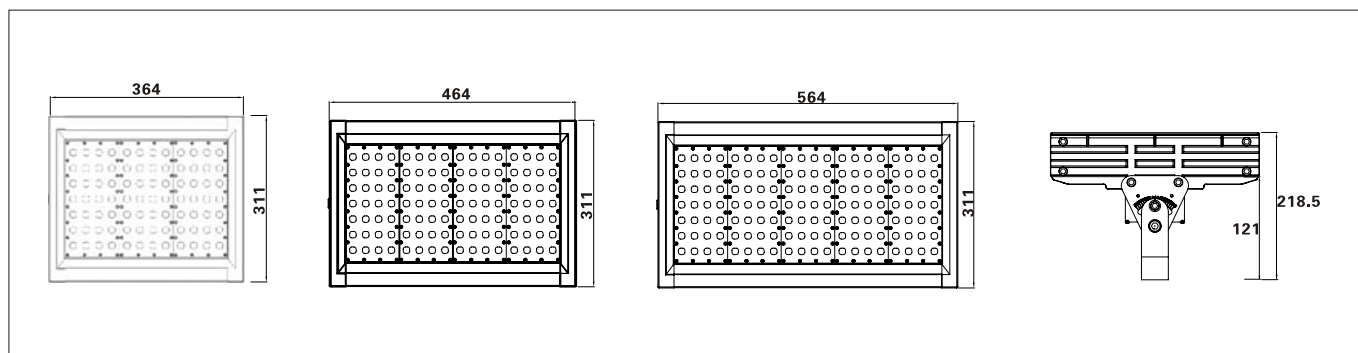
- Imported- polycarbonate injected lamp shade, high intensity, excellent transmittance,.
- Adopted CREE original lamp (CREE chip technology/CREE encapsulation technology).
- Color: ripple ash.
- LED driver: driven by constant current, 50000 hours service life.
- Electrical insulation class: Class I.
- IP class: IP65.
- Antisepsis class: WF1.
- Service life: ≥50000h (under normal use).

适用环境/Applications

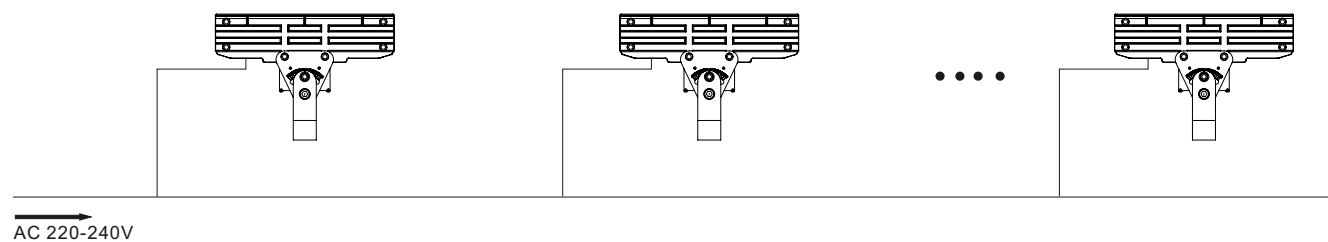
- 人行道路、停车场、广场、公园景观、树木、广告等户外照明与装饰。
- Road, parking lot, city district, green lighting, advertising, building outlines and other outdoor lighting.



产品尺寸 /Product size



产品接线图 / Product wiring diagram



订货指南/Order Guide

ERP 产品ERP编码 Product Code	V 输入电压 Supply Voltage	W 功率 Power	替换 高压钠灯 功率(W) Replace Watts	W 线路功率 Circuit Power	PF 功率因数 Power Factor	LM 光通量 Flux	K 色温 CCT	发光角度 Beam Angle	h 设计寿命 Life	颜色 Color	IP IP等级 IP Rating
HQLF90/221/TG27 90W											
2511667001	AC220-240	84x1	250	≤100	≥0.9	8190	3000	65	50000	WW	IP65
2511667002	AC220-240	84x1	250	≤100	≥0.9	8730	4000	65	50000	NW	IP65
2511667003	AC220-240	84x1	250	≤100	≥0.9	9345	5000	65	50000	CW	IP65
HQLF120/221/TG27-1 120W											
2511671001	AC220-240	84x1.3	400	≤123	≥0.9	9795	3000	65	50000	WW	IP65
2511671002	AC220-240	84x1.3	400	≤123	≥0.9	10440	4000	65	50000	NW	IP65
2511671003	AC220-240	84x1.3	400	≤123	≥0.9	11160	5000	65	50000	CW	IP65
HQLF135/221/TG27-2 135W											
2511684001	AC220-240	84x1.5	400	≤138	≥0.9	10770	3000	65	50000	WW	IP65
2511684002	AC220-240	84x1.5	400	≤138	≥0.9	11475	4000	65	50000	NW	IP65
2511684003	AC220-240	84x1.5	400	≤138	≥0.9	12270	5000	65	50000	CW	IP65
HQLF120/221/TG28 120W											
2511671004	AC220-240	112x1	400	≤128	≥0.9	10920	3000	65	50000	WW	IP65
2511671005	AC220-240	112x1	400	≤128	≥0.9	11640	4000	65	50000	NW	IP65
2511671006	AC220-240	112x1	400	≤128	≥0.9	12460	5000	65	50000	CW	IP65
HQLF160/221/TG28-1 160W											
2511682001	AC220-240	112x1.3	400	≤158	≥0.9	13060	3000	65	50000	WW	IP65
2511682002	AC220-240	112x1.3	400	≤158	≥0.9	13920	4000	65	50000	NW	IP65
2511682003	AC220-240	112x1.3	400	≤158	≥0.9	14880	5000	65	50000	CW	IP65
HQLF180/221/TG28-2 180W											
2511685001	AC220-240	112x1.5	600	≤184	≥0.9	14360	3000	65	50000	WW	IP65
2511685002	AC220-240	112x1.5	600	≤184	≥0.9	15300	4000	65	50000	NW	IP65
2511685003	AC220-240	112x1.5	600	≤184	≥0.9	16360	5000	65	50000	CW	IP65
HQLF150/221/TG29 150W											
2511609001	AC220-240	140x1	---	≤160	≥0.9	13650	3000	65	50000	WW	IP65
2511609002	AC220-240	140x1	---	≤160	≥0.9	14550	4000	65	50000	NW	IP65
2511609003	AC220-240	140x1	---	≤160	≥0.9	15575	5000	65	50000	CW	IP65
HQLF200/221/TG29-1 200W											
2511611001	AC220-240	140x1.3	---	≤207	≥0.9	13000	3000	65	50000	WW	IP65
2511611003	AC220-240	140x1.3	---	≤207	≥0.9	17400	4000	65	50000	NW	IP65
2511611004	AC220-240	140x1.3	---	≤207	≥0.9	18600	5000	65	50000	CW	IP65
HQLF225/221/TG29-2 225W											
2511686001	AC220-240	140x1.5	---	≤238	≥0.9	17950	3000	65	50000	WW	IP65
2511686002	AC220-240	140x1.5	---	≤238	≥0.9	19125	4000	65	50000	NW	IP65
2511686003	AC220-240	140x1.5	---	≤238	≥0.9	20450	5000	65	50000	CW	IP65

LED 广告灯

LED advertising lamp

产品特点/Characteristic

- 灯体采用高纯铸铝灯壳，散热结构优化设计，保证LED发光效率和使用寿命。
- 面罩采用加厚钢化玻璃，抗冲击，耐摩擦。
- LED光源采用进口原装光源。配光采用专业级光学配光，专门针对广告投光而设计。
- LED驱动电源：恒流驱动方式，50000小时寿命保障。
- 灯具防护等级：IP65。
- 灯具使用寿命：≥50000小时(正常使用情况下)。
- High purity die-casting aluminum lamp shell, thermal structure, which guarantees LED light efficiency and service life.
- Thick tempered glass cover, anti-impact, friction-resistant.
- Adopted Imported lamp. Apply professional light distribution, specifically designed for advertising flood lighting.
- LED driver: driven by constant current, 50000 hours service life.
- IP class: Ip65.
- Service life: ≥50000h (under normal use).

适用环境/Applications

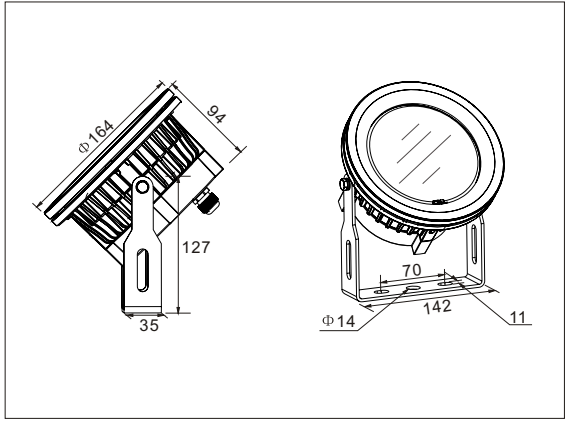
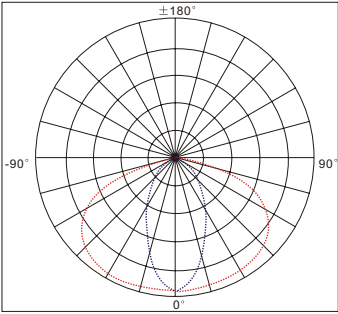
- 适用于户外广告照明。
- Suitable for outdoor advertising lighting



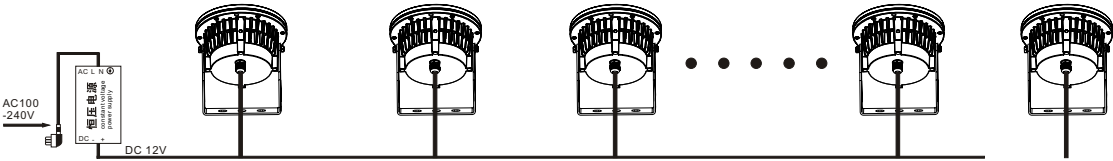
TG02A/12W



配光曲线
Light distribution curve



单色接线图 / Single wiring diagram



灯具并接的数量由灯具的功率和恒压电源的功率确定
The quantity of lamp with parallel connection is determined by the Power of lamp and constant voltage driver.

订货指南/Order Guide



产品ERP编码
Product Code



额定电压
Rated Voltage



最大工作电压范围
Max Operation
voltage range



功率
Power



线路功率
Circuit Power



功率因数
Power Factor



光通量
Flux



色温
CCT



发光角度
Beam Angle



设计寿命
Life



颜色
Color

IP等级
IP Rating

HQLF12/D12/TG02A(广告投光灯) 晶元 12W

2511664072	DC12	---	12	≤14	≥0.9	820	3000	25 x45	50000	WW	IP65
2511664073	DC12	---	12	≤14	≥0.9	910	4000	25 x45	50000	NW	IP65
2511664074	DC12	---	12	≤14	≥0.9	1000	6500	25 x45	50000	CW	IP65

LED 泛光灯

LED Floodlighting

产品特点/Characteristic

- 灯体采用高纯铸铝灯壳，散热结构优化设计，保证LED发光效率和使用寿命。
 - 面罩采用加厚钢化玻璃，抗冲击，耐摩擦。
 - LED光源采用进口原装光源。配光采用光学级抗UV透镜，透光效率90%以上，并具有优良的耐气候特点，可满足长期室外使用需求。
 - 灯具颜色：沙纹灰。
 - LED驱动电源：恒流驱动方式，50000小时寿命保障。
 - 电气绝缘等级：Class I，RGB为ClassII。
 - 灯具防护等级：IP65。
 - 灯具防腐等级：WF1。
 - 灯具使用寿命：≥50000小时(正常使用情况下)。
-
- High purity die-casting aluminum lamp shell, thermal structure, which guarantees LED light efficiency and service life.
 - Thick tempered glass cover, anti-impact, friction-resistant.
 - Adopted Imported lamp. Optical class anti-UV lens, transmission efficiency reaches 90%, excellent weather resistance, could meet needs of long time outdoor use.
 - Color: ripple ash.
 - LED driver: driven by constant current, 50000 hours service life.
 - Electrical insulation class: Class I RGB: ClassII.
 - IP class: IP65.
 - Antisepsis class: Wf1
 - Service life: ≥50000h (under normal use).



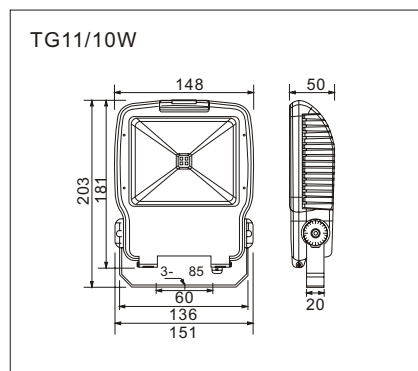
适用环境/Applications

- 人行道路、停车场、广场、公园景观、树木、广告等户外照明与装饰。
- Road, parking lot, city district, green lighting, advertising, building outlines and other outdoor lighting.

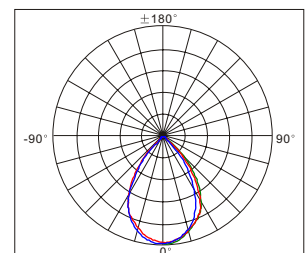
TG11/10W



产品尺寸/ Product size



配光曲线 Light distribution curve

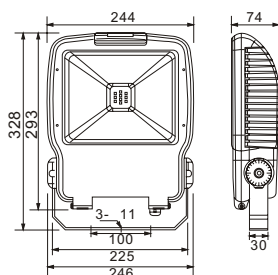


TG12/30W

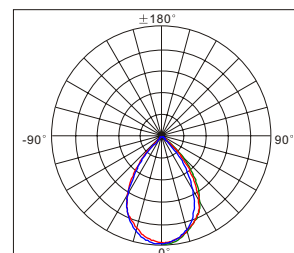


产品尺寸/ Product size

TG12/30W



配光曲线 Light distribution curve

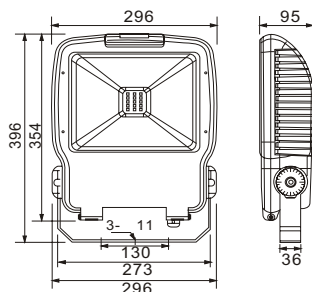


TG13/60W

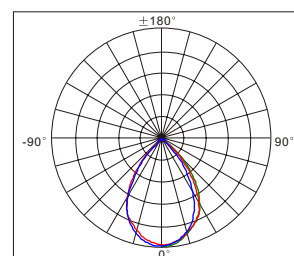


产品尺寸/ Product size

TG13/60W



配光曲线 Light distribution curve

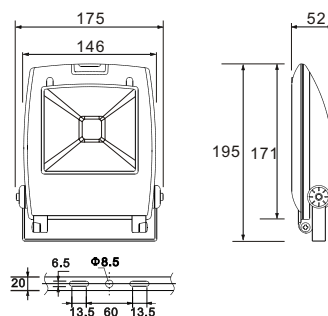


TG14/10W

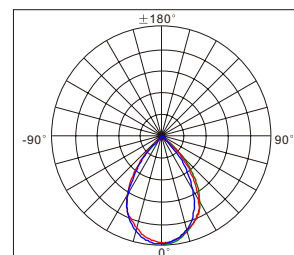


产品尺寸/ Product size

TG14/10W



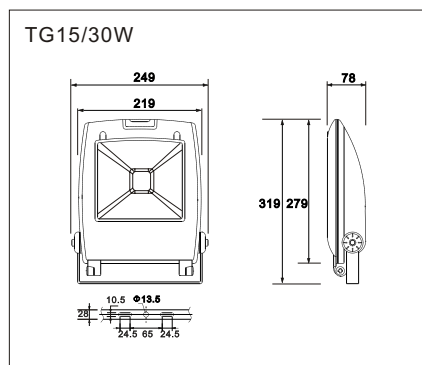
配光曲线 Light distribution curve



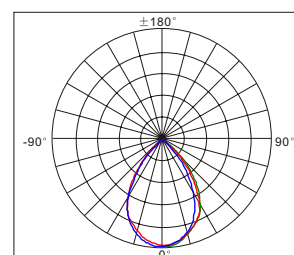
TG15/30W



产品尺寸/ Product size



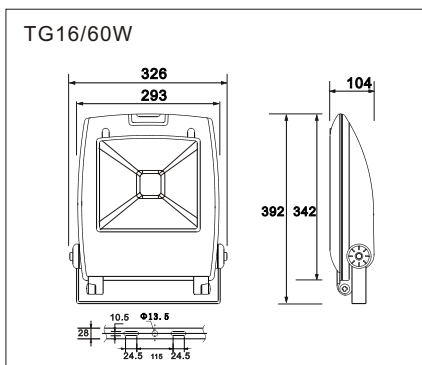
配光曲线 Light distribution curve



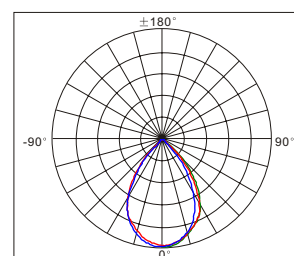
TG16/60W



产品尺寸/ Product size



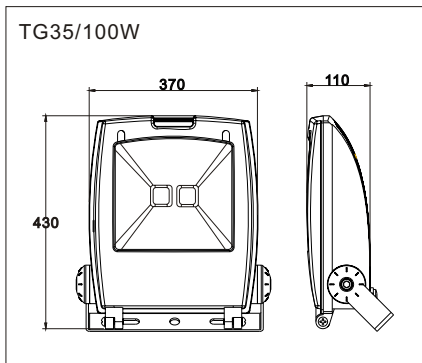
配光曲线 Light distribution curve



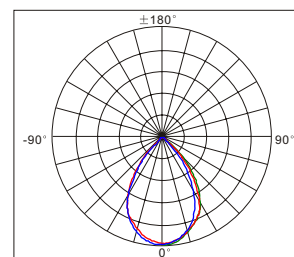
TG35/100W



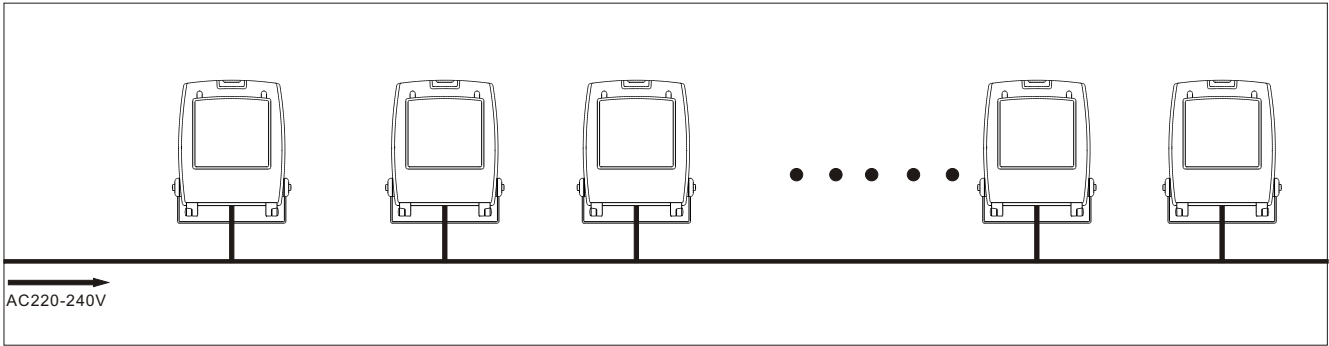
产品尺寸/ Product size



配光曲线 Light distribution curve



接线图 /wiring diagram



订货指南/Order Guide

ERP 产品ERP编码 Product Code	V 额定电压 Rated Voltage	V 最大工作电压范围 Max Operation voltage range	W 功率 Power	W 线路功率 Circuit Power	PF 功率因数 Power Factor	LM 光通量 Flux	K 色温 CCT	 发光角度 Beam Angle	h 设计寿命 Life	 颜色 Color	IP IP等级 IP Rating
HQLF10/221/TG11 10W											
2511656031	AC220-240	AC100-240	10	≤11.5	≥0.50	---	---	120	50000	Red	IP65
2511656032	AC220-240	AC100-240	10	≤11.5	≥0.50	---	---	120	50000	Green	IP65
2511656033	AC220-240	AC100-240	10	≤11.5	≥0.50	---	---	120	50000	Blue	IP65
2511656034	AC220-240	AC100-240	10	≤11.5	≥0.50	530	3000	120	50000	WW	IP65
2511656035	AC220-240	AC100-240	10	≤11.5	≥0.50	580	4000	120	50000	NW	IP65
2511656036	AC220-240	AC100-240	10	≤11.5	≥0.50	650	6500	120	50000	CW	IP65
HQLF30/221/TG12 30W											
2511660002	AC220-240	AC100-240	30	≤34.5	≥0.95	---	---	120	50000	Red	IP65
2511660003	AC220-240	AC100-240	30	≤34.5	≥0.95	---	---	120	50000	Green	IP65
2511660004	AC220-240	AC100-240	30	≤34.5	≥0.95	---	---	120	50000	Blue	IP65
2511660005	AC220-240	AC100-240	30	≤34.5	≥0.95	1300	3000	120	50000	WW	IP65
2511660006	AC220-240	AC100-240	30	≤34.5	≥0.95	1450	4000	120	50000	NW	IP65
2511660007	AC220-240	AC100-240	30	≤34.5	≥0.95	1550	6500	120	50000	CW	IP65
HQLF60/221/TG13 60W											
2511670001	AC220-240	AC100-240	60	≤69	≥0.95	---	---	120	50000	Red	IP65
2511670002	AC220-240	AC100-240	60	≤69	≥0.95	---	---	120	50000	Green	IP65
2511670003	AC220-240	AC100-240	60	≤69	≥0.95	---	---	120	50000	Blue	IP65
2511670004	AC220-240	AC100-240	60	≤69	≥0.95	3100	3000	120	50000	WW	IP65
2511670005	AC220-240	AC100-240	60	≤69	≥0.95	3250	4000	120	50000	NW	IP65
2511670006	AC220-240	AC100-240	60	≤69	≥0.95	3350	6500	120	50000	CW	IP65
HQLF10/221/TG14 晶元 10W											
2511656044	AC220-240	---	10	≤11.5	≥0.50	430	3000	120	50000	WW	IP65
2511656045	AC220-240	---	10	≤11.5	≥0.50	480	4000	120	50000	NW	IP65
2511656043	AC220-240	---	10	≤11.5	≥0.50	550	6500	120	50000	CW	IP65
HQLF30/221/TG15 晶元 30W											
2511660016	AC220-240	---	30	≤34.5	≥0.5	1200	3000	120	50000	WW	IP65
2511660017	AC220-240	---	30	≤34.5	≥0.5	1350	4000	120	50000	NW	IP65
2511660015	AC220-240	---	30	≤34.5	≥0.5	1450	6500	120	50000	CW	IP65
HQLF60/221/TG16 晶元 60W											
2511670014	AC220-240	---	60	≤69	≥0.5	3000	3000	120	50000	WW	IP65
2511670015	AC220-240	---	60	≤69	≥0.5	3150	4000	120	50000	NW	IP65
2511670013	AC220-240	---	60	≤69	≥0.5	3250	6500	120	50000	CW	IP65
HQLF100/221/TG35 晶元 100W											
---	AC220-240	---	100	≤113	≥0.5	6000	3000	120	50000	WW	IP65
---	AC220-240	---	100	≤113	≥0.5	6300	4000	120	50000	NW	IP65
---	AC220-240	---	100	≤113	≥0.5	6500	6500	120	50000	CW	IP65



产品特点/Characteristic

- 高效散热：创新热管+鳍片散热方式，快速散热；
- 支架角度240°：240°调节，照射角度随意变化；
- 反光率93%：极大提高亮度，节能又增光；
- 纯铜热管：快速降温，延长光源寿命；
- 重量轻：高导热率铝片材打造，更精致、更轻巧；
- 安装方便：螺杆锁附式简便安装，维护方便。
- 专业设计：时尚质感，专注散热器设计。
- **240° adjustable angle**
13 flexible positions makes project angle can be adjusted within 240°.
- **Copper heatpipe**
By riveting the heatpipe to the fins, the heatpipe can conduct heat rapidly from chips bottom to the fins, greatly lower down the temperature of light source, extending its life span.
- **Respirator design**
Waterproof design, eliminating mist, avoiding condensation, improving quality, extending the life span.
- **93% reflective rate**
Reflective rate could reach up to 93%.

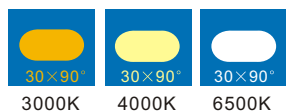
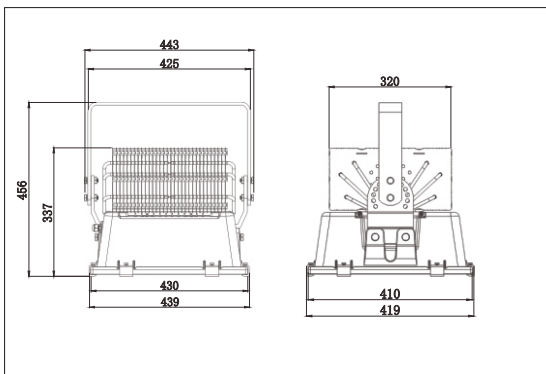
适用环境/Applications

- 适用于工体育场馆、运动场、高尔夫球场、码头、广场等。
It can be widely used at the stadium, golf course, wharf, square, etc.

TG56/700W

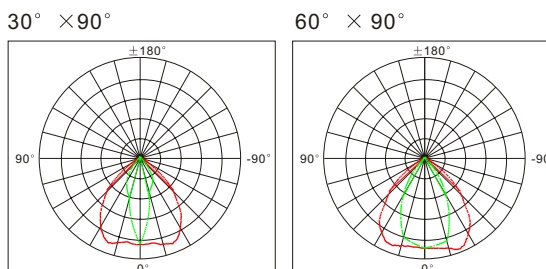


产品尺寸/ Product size



可替代1500W及以上高压钠灯
Complete lamp can replace traditional high pressure sodium lamp over 1500W.

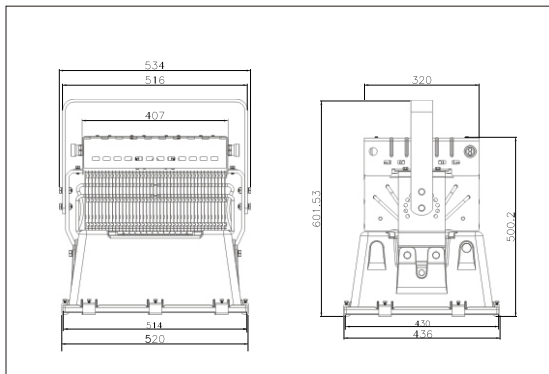
配光曲线 Light distribution curve



TG55/1000W



产品尺寸/ Product size



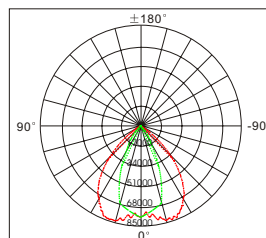
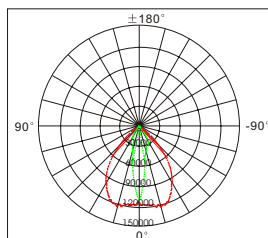
可替代2000W及以上高压钠灯
Complete lamp can replace traditional
high pressure sodium lamp over 2000W.

配光曲线

Light distribution curve

11° × 90°

50° × 90°



订货指南/Order Guide

ERP	V	V	W	W	PF	LM	K	▲	h	■	IP
产品ERP编码 Product Code	额定电压 Rated Voltage	最大工作电压范围 Max. Operation voltage range	功率 Power	线路功率 Circuit Power	功率因数 Power Factor	光通量 Flux	色温 CCT	发光角度 Beam Angle	设计寿命 Life	颜色 Color	IP等级 IP Rating
HQLF700/221/TG56 700W											
2511656034	AC220-240	AC100-240	630	≤700	≥0.90	54720	3000	60°×90°/30°×90°	50000	WW	IP65
2511656035	AC220-240	AC100-240	630	≤700	≥0.90	59500	4000	60°×90°/30°×90°	50000	NW	IP65
2511656036	AC220-240	AC100-240	630	≤700	≥0.90	63000	6500	60°×90°/30°×90°	50000	CW	IP65
HQLF1000/221/TG55 1000W											
2511660005	AC220-240	AC100-240	900	≤1000	≥0.90	78900	3000	50°×90°/10°×90°	50000	WW	IP65
2511660006	AC220-240	AC100-240	900	≤1000	≥0.90	84970	4000	50°×90°/10°×90°	50000	NW	IP65
2511660007	AC220-240	AC100-240	900	≤1000	≥0.90	91000	6500	50°×90°/10°×90°	50000	CW	IP65

LED 水底灯具

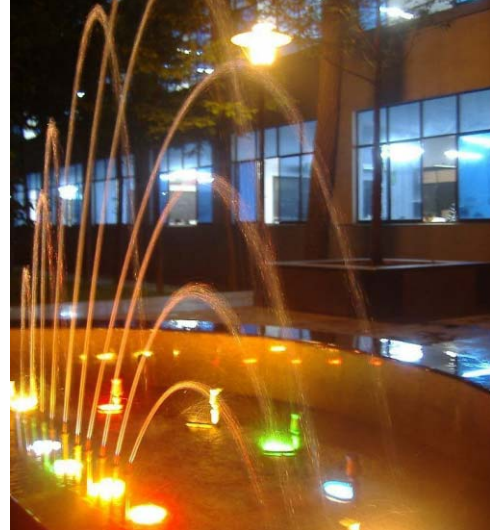
LED Underwater Light

产品特点/Characteristic

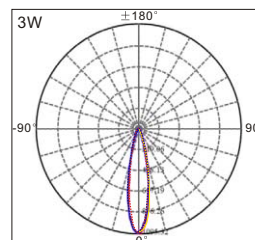
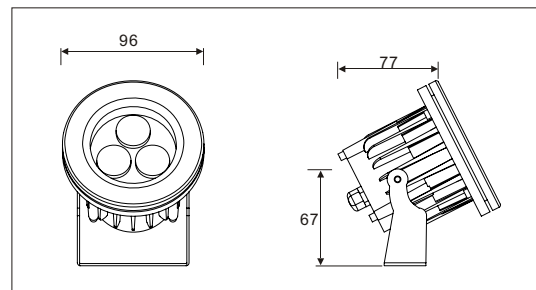
- 灯体采用不锈钢灯壳，散热结构优化设计，保证LED发光效率和使用寿命。
- LED光源采用高光效的进口原装LED颗粒。
- 配光采用光学级抗UV透镜，透光效率90%以上，并具有优良的耐气候特点，可满足长期室外使用需求。
- 灯具颜色：银色。
- LED驱动电源：恒压驱动方式，50000小时寿命保障。
- 电气绝缘等级：Class III。
- 灯具防护等级：IP68/3m。
- 灯具防腐等级：WF1。
- 灯具使用寿命：≥50000小时(正常使用情况下)。
- Stainless steel lampshell, thermal structure, which guarantees LED light efficiency and service life.
- Adopted CREE original lamp.
- Optical class anti-UV lens, transmission efficiency reaches 90%, excellent weather resistance, could meet needs of long time outdoor use.
- Color: ripple ash.
- LED driver: driven by constant current, 50000 hours service life.
- Electrical insulation class: Class III
- IP class: IP68/3m
- Antiseptis class: Wf1
- Service life: ≥50000h (under normal use).

适用环境/Applications

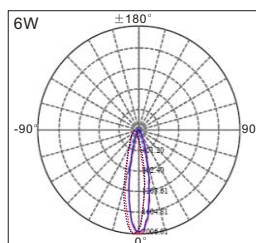
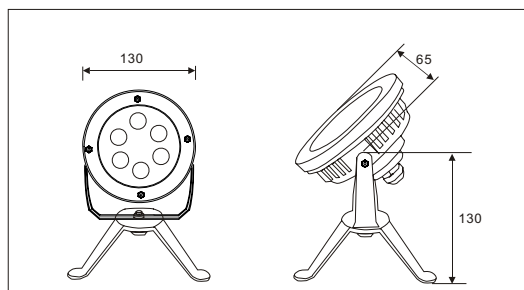
- 适合安装在水深不超过3米的淡水和海水中，非常适合喷泉、景观，主题公园等水下照明场所。
- Suitable for installation in freshwater or seawater with water depth less than 3 meters, ideal for underwater lighting locations like fountains, landscapes and theme parks, etc.



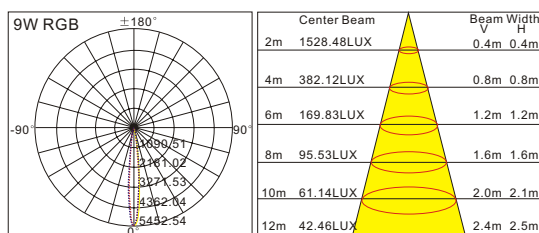
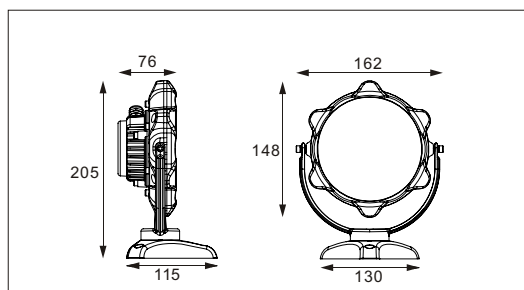
TG33/3W



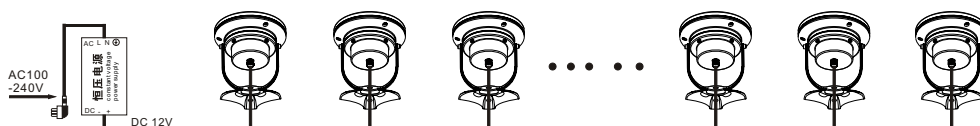
TG34/6W



TG10/9W

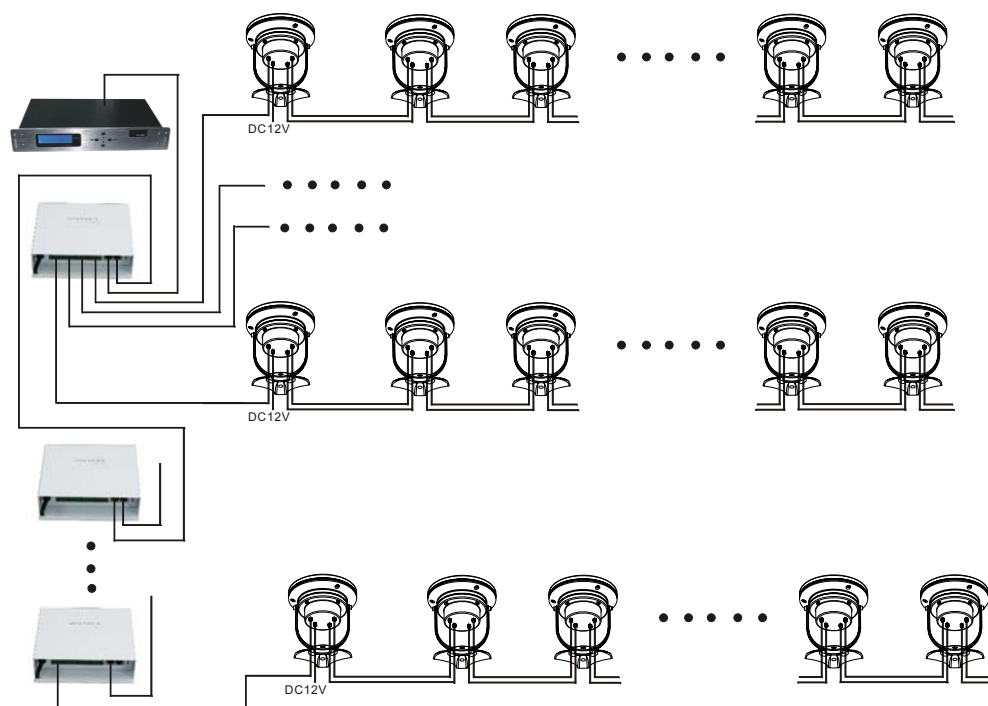


单色接线图 /Single wiring diagram



灯具并接的数量由灯具的功率和恒压电源的功率确定
The quantity of lamp with parallel connection is determined by the Power of lamp and constant voltage driver.

RGB接线图（采用DMX512控制方式）/RGBWiring diagram（Apply DMX512 control mode）



注:

1. 主控到分控的最大距离应小于100米。
2. 信号线布线大于100米或灯具超过32PCS, 需增加信号放大器。
3. 每一台主控最多可带32台分控。
4. 每台分控带4个端口, 每个端口最多可控170台灯具, 具体要看使用情况而定。

Remarks:

1. The maximum distance between master controller and sub-master controller should be less than 100Meter
2. When the wiring of signal line is over 100 Meter or quantity of lamp is more than 32pcs, it's necessary to add signal amplifier
3. Each master controller can be installed with 32pcs of sub-master controller at the most.
4. Each sub-master controller is with 4 terminals, and one terminal can control 170pcs of lamps at the most. It all depends on the actual condition.

订货指南/Order Guide

ERP 产品ERP编码 Product Code	V 输入电压 Rated Voltage	W 功率 Power	W 线路功率 Circuit Power	LM 光通量 Flux	K 色温 CCT	发光角度 Beam Angle	可选角度 Optional Angle	h 设计寿命 Life	颜色 Color	IP IP等级 IP Rating
HQLF3/D12/TG33 晶元 3W										
2511638011	DC12	3	4.2	---	---	30	45	50000	Red	IP68/3m
2511638012	DC12	3	4.2	---	---	30	45	50000	Green	IP68/3m
2511638013	DC12	3	4.2	---	---	30	45	50000	Blue	IP68/3m
2511638009	DC12	3	4.2	200	3000	30	45	50000	WW	IP68/3m
2511638010	DC12	3	4.2	220	4000	30	45	50000	NW	IP68/3m
2511638008	DC12	3	4.2	240	6500	30	45	50000	CW	IP68/3m
HQLF6/D12/TG34 晶元 6W										
2511654053	DC12	6	7.8	---	---	30	45	50000	Red	IP68/3m
2511654054	DC12	6	7.8	---	---	30	45	50000	Green	IP68/3m
2511654055	DC12	6	7.8	---	---	30	45	50000	Blue	IP68/3m
2511654051	DC12	6	7.8	440	3000	30	45	50000	WW	IP68/3m
2511654052	DC12	6	7.8	470	4000	30	45	50000	NW	IP68/3m
2511654049	DC12	6	7.8	500	6500	30	45	50000	CW	IP68/3m
HQLF9/D12/TG10 晶元 9W										
2511640011	DC12	9	≤10	---	---	30	45	50000	Red	IP68/3m
2511640012	DC12	9	≤10	---	---	30	45	50000	Green	IP68/3m
2511640013	DC12	9	≤10	---	---	30	45	50000	Blue	IP68/3m
2511640014	DC12	9	≤10	610	3000	30	45	50000	WW	IP68/3m
2511640015	DC12	9	≤10	680	4000	30	45	50000	NW	IP68/3m
2511640016	DC12	9	≤10	710	6500	30	45	50000	CW	IP68/3m
2511640017	DC12	9	≤10	---	---	30	45	50000	RGB	IP68/3m

*以上产品编码属于对应的发光角度产品, 订货时请注明发光角度。

Above order code is corresponding to different beam angle, customers should state the beam angle while placing.

LED 地埋灯具

LED In-ground Light

产品特点/Characteristic

- 灯体采用高纯铸铝灯壳，散热结构优化设计，保证LED发光效率和使用寿命。
- 面罩采用加厚钢化玻璃，抗冲击，耐摩擦。
- LED光源采用进口原装光源。配光采用光学级抗UV透镜，透光效率90%以上，并具有优良的耐气候特点，可满足长期室外使用需求。
- 灯具颜色：沙纹灰。
- LED驱动电源：恒流驱动方式，50000小时寿命保障。
- 电气绝缘等级：Class I，RGB为Class II。
- 灯具防护等级：IP65。
- 灯具防腐等级：WF1。
- 灯具使用寿命：≥50000小时(正常使用情况下)。
- High purity die-casting aluminum lamp shell, thermal structure, which guarantees LED light efficiency and service life.
- Thick tempered glass cover, anti-impact, friction-resistant.
- Adopted Imported lamp. Optical class anti-UV lens, transmission efficiency reaches 90%, excellent weather resistance, could meet needs of long time outdoor use.
- Color: ripple ash.
- LED driver: driven by constant current, 50000 hours service life.
- Electrical insulation class: Class I RGB: Class II.
- IP class: Ip65
- Antiseptis class: Wf1
- Service life: ≥50000h (under normal use).

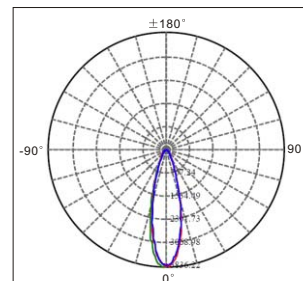
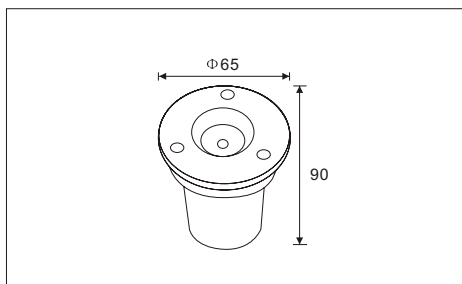
适用环境/Applications

- 人行道路、停车场、广场、公园景观、树木、广告等户外照明与装饰。
- Road, parking lot, city district, green lighting, advertising, building outlines and other outdoor lighting.



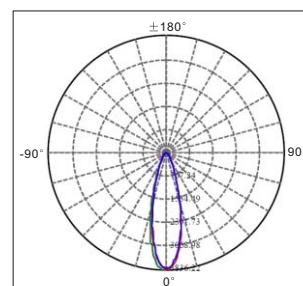
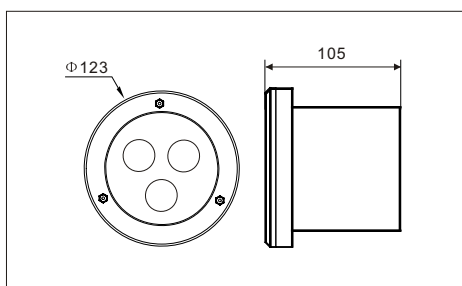
MD01/1W

输入电压 AC220-240V/DC24V



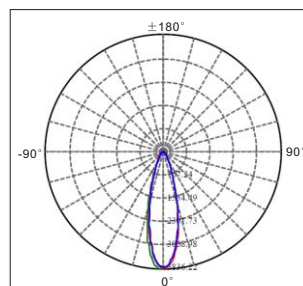
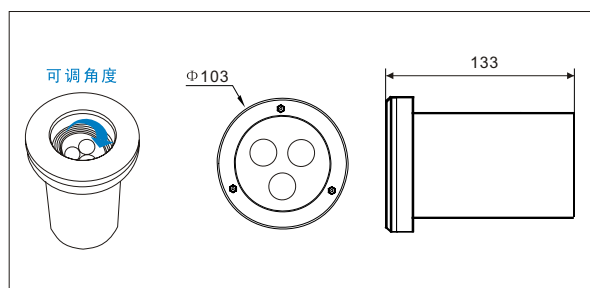
MD16/3W

输入电压 AC220-240V/DC24V



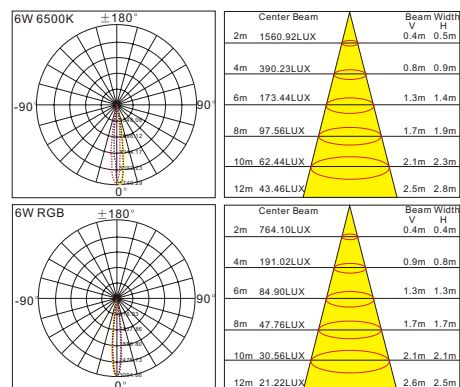
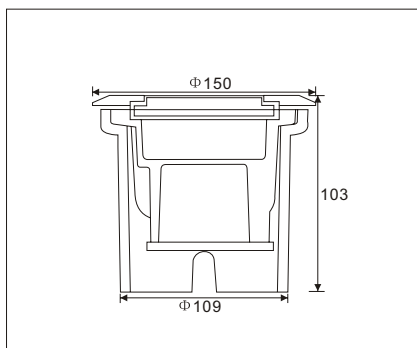
MD17/3W

输入电压 AC220-240V



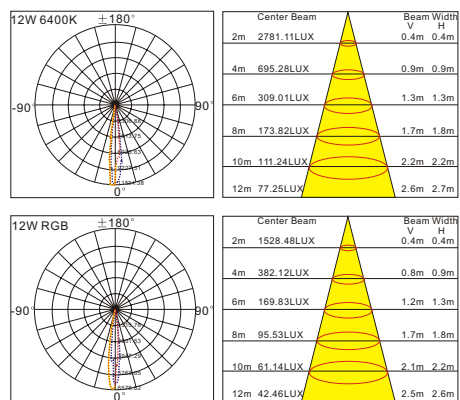
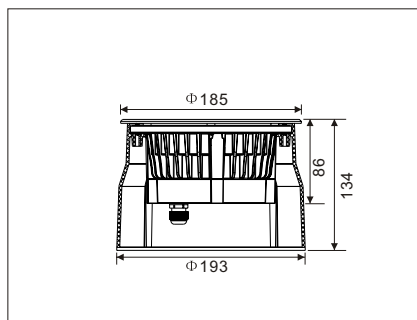
MD02/6W

输入电压 AC220-240V/DC24V

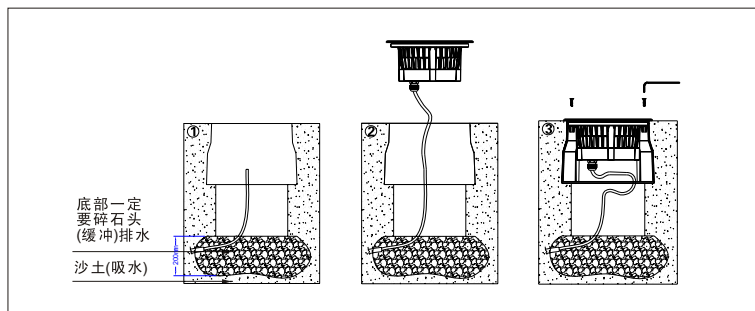


MD04/12W

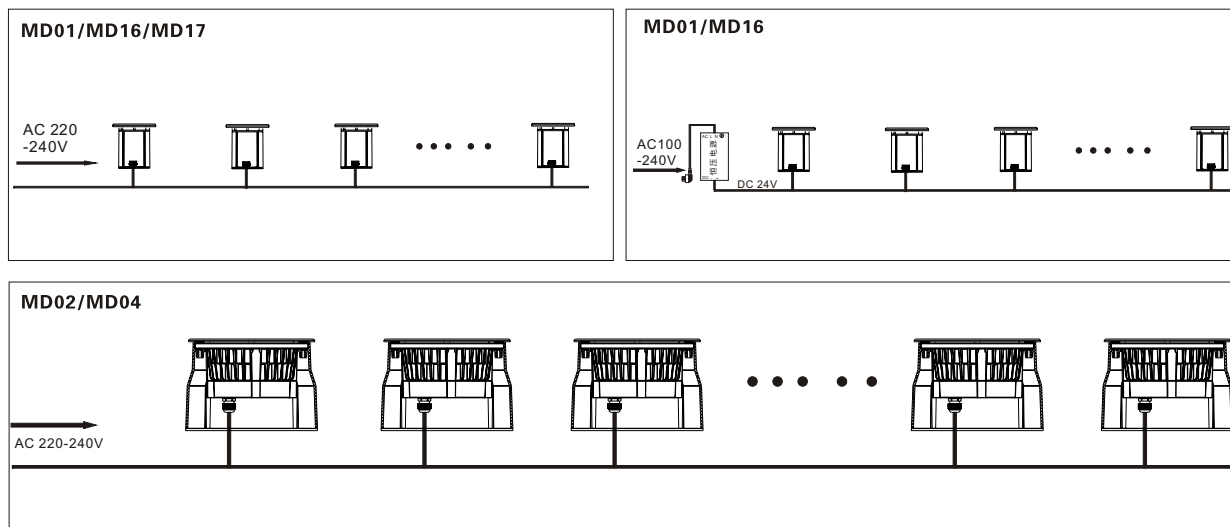
输入电压 AC220-240V/DC24V



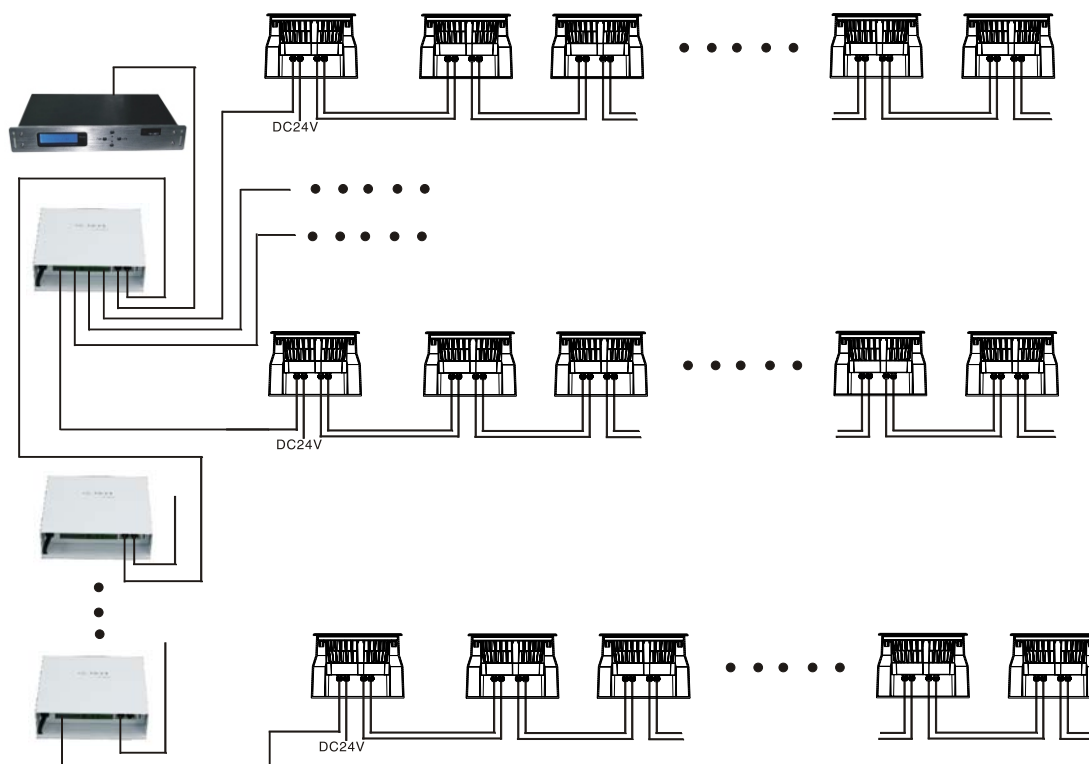
安装方式/ Luminaire installation



单色接线图 /Single wiring diagram



RGB接线图 (采用DMX512控制方式) /RGBWiring diagram (Apply DMX512 control mode)



注:

1. 主控到分控的最大距离应小于100米。
2. 信号线布线大于100米或灯具超过32PCS, 需增加信号放大器。
3. 每一台主控最多可带16台分控。
4. 每台分控最多可带170台灯具, 具体要看使用情况而定。

Remarks:

1. The maximum distance between master controller and sub-master controllers should be less than 100Meter
2. When the wiring of signal line is over 100Meter or quantity of lamp is more than 32pcs, it's necessary to add signal amplifier
3. Each master controller can be installed with 32pcs of sub-master controller at the most.
4. Each sub-master controller is with 4 terminals, and one terminal can control 170pcs of lamps at the most. It all depends on the actual condition.

订货指南/Order Guide

ERP 产品ERP编码 Product Code	V 额定电压 Rated Voltage	V 最大工作电压范围 Max Operation voltage range	W 功率 Power	W 线路功率 Circuit Power	PF 功率因数 Power Factor	LM 光通量 Flux	K 色温 CCT	发光角度 Beam Angle	可选角度 Optional Angle	h 设计寿命 Life	颜色 Color	IP IP等级 IP Rating
HQLF1/221/MD01 1W												
---	AC220-240	AC100-240	1	≤1.5	≥0.5	80	3000	45	10	50000	WW	IP65
---	AC220-240	AC100-240	1	≤1.5	≥0.5	82	4000	45	10	50000	NW	IP65
---	AC220-240	AC100-240	1	≤1.5	≥0.5	85	6500	45	10	50000	CW	IP65
HQLF1/D24/MD01 1W												
---	DC24	---	1	≤1.5	---	80	3000	45	10	50000	WW	IP65
---	DC24	---	1	≤1.5	---	82	4000	45	10	50000	NW	IP65
---	DC24	---	1	≤1.5	---	85	6500	45	10	50000	CW	IP65
HQLF3/221/MD16 3W												
---	AC220-240	AC100-240	3	≤4	≥0.6	200	3000	45	10	50000	WW	IP65
---	AC220-240	AC100-240	3	≤4	≥0.6	220	4000	45	10	50000	NW	IP65
---	AC220-240	AC100-240	3	≤4	≥0.6	240	6500	45	10	50000	CW	IP65
HQLF3/D24/MD16 3W												
---	DC24	---	3	≤4	---	200	3000	45	10	50000	WW	IP65
---	DC24	---	3	≤4	---	220	4000	45	10	50000	NW	IP65
---	DC24	---	3	≤4	---	240	6500	45	10	50000	CW	IP65
HQLF3/221/MD17 3W (可调角度)												
---	AC220-240	AC100-240	3	≤4	≥0.6	200	3000	45	10	50000	WW	IP65
---	AC220-240	AC100-240	3	≤4	≥0.6	220	4000	45	10	50000	NW	IP65
---	AC220-240	AC100-240	3	≤4	≥0.6	240	6500	45	10	50000	CW	IP65
HQLF6/221/MD02 CREE 6W												
2541654009	AC220-240	AC100-240	6	≤8	≥0.6	---	---	10	30/45	50000	Red	IP65
2541654010	AC220-240	AC100-240	6	≤8	≥0.6	---	---	10	30/45	50000	Green	IP65
2541654011	AC220-240	AC100-240	6	≤8	≥0.6	---	---	10	30/45	50000	Blue	IP65
2541654012	AC220-240	AC100-240	6	≤8	≥0.6	410	3000	10	30/45	50000	WW	IP65
2541654013	AC220-240	AC100-240	6	≤8	≥0.6	460	4000	10	30/45	50000	NW	IP65
2541654014	AC220-240	AC100-240	6	≤8	≥0.6	500	6500	10	30/45	50000	CW	IP65
HQLF6/D24/MD02 CREE 6W												
2541654015	DC24	---	6	≤8	---	---	---	10	30/45	50000	RGB	IP65
HQLF6/221/MD02 晶元 6W												
2541654016	AC220-240	AC100-240	6	≤8	≥0.6	---	---	30	45	50000	Red	IP65
2541654017	AC220-240	AC100-240	6	≤8	≥0.6	---	---	30	45	50000	Green	IP65
2541654018	AC220-240	AC100-240	6	≤8	≥0.6	---	---	30	45	50000	Blue	IP65
2541654019	AC220-240	AC100-240	6	≤8	≥0.6	410	3000	30	45	50000	WW	IP65
2541654020	AC220-240	AC100-240	6	≤8	≥0.6	460	4000	30	45	50000	NW	IP65
2541654021	AC220-240	AC100-240	6	≤8	≥0.6	500	6500	30	45	50000	CW	IP65
HQLF6/D24/MD02 晶元 6W												
2541654022	DC24	---	6	≤8	---	---	---	30	45	50000	RGB	IP65
HQLF12/221/MD04 CREE 12W												
2541664008	AC220-240	AC100-240	12	≤14	≥0.9	---	---	10	30/45	50000	Red	IP65
2541664009	AC220-240	AC100-240	12	≤14	≥0.9	---	---	10	30/45	50000	Green	IP65
2541664010	AC220-240	AC100-240	12	≤14	≥0.9	---	---	10	30/45	50000	Blue	IP65
2541664011	AC220-240	AC100-240	12	≤14	≥0.9	820	3000	10	30/45	50000	WW	IP65
2541664012	AC220-240	AC100-240	12	≤14	≥0.9	910	4000	10	30/45	50000	NW	IP65
2541664013	AC220-240	AC100-240	12	≤14	≥0.9	1000	6500	10	30/45	50000	CW	IP65
HQLF12/D24/MD04 CREE 12W												
2541664014	DC24	---	12	≤14	---	---	---	10	30/45	50000	RGB	IP65
HQLF12/221/MD04 晶元 12W												
2541664015	AC220-240	AC100-240	12	≤14	≥0.9	---	---	30	45	50000	Red	IP65
2541664016	AC220-240	AC100-240	12	≤14	≥0.9	---	---	30	45	50000	Green	IP65
2541664017	AC220-240	AC100-240	12	≤14	≥0.9	---	---	30	45	50000	Blue	IP65
2541664018	AC220-240	AC100-240	12	≤14	≥0.9	820	3000	30	45	50000	WW	IP65
2541664019	AC220-240	AC100-240	12	≤14	≥0.9	910	4000	30	45	50000	NW	IP65
2541664020	AC220-240	AC100-240	12	≤14	≥0.9	1000	6500	30	45	50000	CW	IP65
HQLF12/D24/MD04 晶元 12W												
2541664021	DC24	---	12	≤14	---	---	---	30	45	50000	RGB	IP65

*以上产品编码属于对应的发光角度产品，订货时请注明发光角度。

Above order code is corresponding to different beam angle, customers should state the beam angle while placing.

LED 防水线条灯系列

LED Strip(Water-proof)

产品特点/Characteristic

- 灯体采用铝合金材料外壳，散热结构优化设计，保证LED发光效率和使用寿命。
- 采用防紫外线，抗老化的胶水全部密封，防水性能达到IP65
- 灯具颜色：银白色灯体
- 输入电压：DC 24V(单色 8W)、DC 12V(RGB 15W)
- 灯具使用寿命：≥50000小时(正常使用情况下)。
- Alumina body, thermal structure, which guarantees LED light efficiency and service life.
- The glue used is anti-UV/aging. The protection level is IP65.
- Color: Silvery white body.
- Supply Voltage: DC 24V (single color 8 w); DC 12V (single color 15 w).
- Service life: ≥50000h (under normal use).

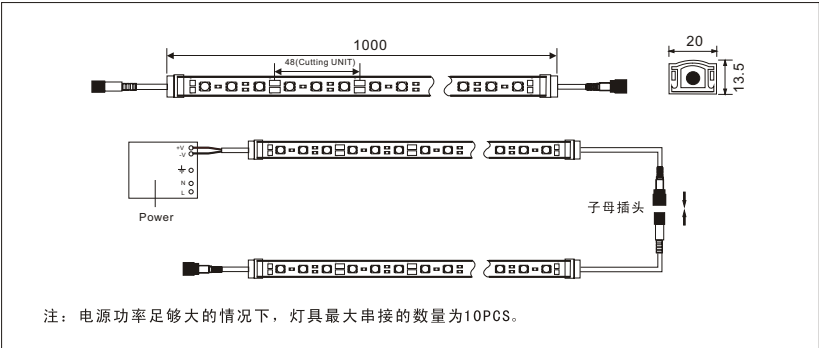
适用环境/Applications

- 珠宝柜、展示柜、化妆柜、写字楼、商场、家居等装饰照明。
- Jewelry box, reveal ark, cosmetic ark, office buildings, shopping malls, home decoration lighting.



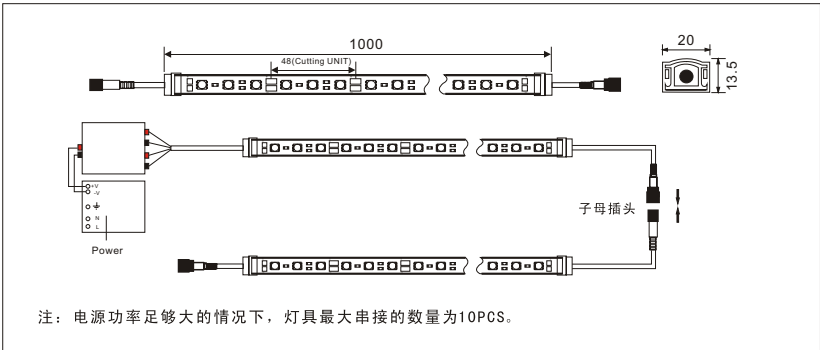
XT06 单色8W

Remark:Under the condition ofhigh power, lampswith series connection canbe 10pcs at themost.



RGB15W

Remark:Under the condition ofhigh power, lampswith series connection canbe 10pcs at themost.



订货指南/Order Guide

ERP	V	W	PCS	Ra	LM	K			h	IP
产品ERP编码 Product Code	输入电压 Supply Voltage	功率 Power	LED数量 LED amount	显色指数 CRI	光通量 Flux	色温 CCT	发光颜色 Color	发光角度 Beam Angle	设计寿命 Life	IP等级 IP Rating
HQLF8/D24/XT06-1000C 晶元 8W										
2511655001	DC24V	8/M	108/M	75	580/M	3000	WW	120	50000	IP65
2511655002	DC24V	8/M	108/M	70	620/M	4000	NW	120	50000	IP65
2511655003	DC24V	8/M	108/M	70	660/M	6500	CW	120	50000	IP65
HQLF15/D12/XT06-1000C 5050 RGB 晶元 15W										
2511658013	DC12	15/M	60/M	---	---	---	RGB	120	50000	IP65

LED 线条轮廓灯

LED Contour Light

XT02 2.5W/5W/9W



产品特点/Characteristic

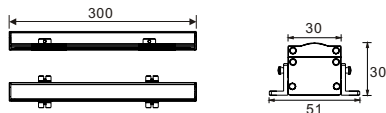
- 高强度铝合金灯体（表面氧化处理）
散热结构优化设计，保证LED发光效率和使用寿命。
 - 配光采用光学级抗UV透镜，透光效率90%以上，并具有优良的耐气候特点，可满足长期室外使用需求。
 - 灯具颜色：银灰色。
 - LED光源驱动电流：18~20mA，50000小时寿命保障。
 - 电气绝缘等级：Class III。
 - 灯具防护等级：IP65。
 - 灯具防腐等级：WF1。
 - 灯具使用寿命：≥50000小时(正常使用情况下)。
- High intensity aluminum alloy abutment (oxidation coated) thermal structure, which guarantees LED light efficiency and service life.
 - Optical class anti-UV lens, transmission efficiency reaches 90%, excellent weather resistance, could meet needs of long time outdoor use.
 - Color: milk white diffused cover.
 - LED driver: 18~20mA, 50000 hours service life.
 - Electrical insulation class: Class III.
 - IP class: Ip65.
 - Antisepsis class: Wf1.
 - Service life: ≥50000h (under normal use).

适用环境/Applications

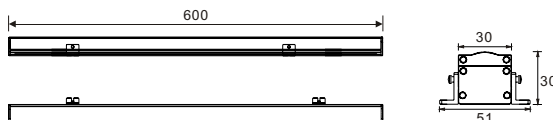
- 适合于建筑大厦、桥梁栏杆、酒吧舞厅等场所做轮廓装饰使用。
- Applies for buildings, bridge railings, pubs, ballrooms, etc

产品尺寸/ Product size

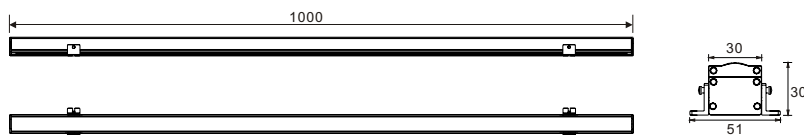
XT02/2.5W



XT02/5W

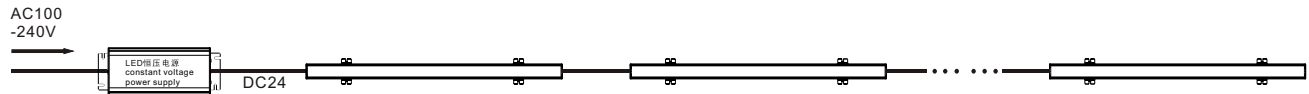


XT02/9W



LED 线条轮廓灯/LED Contour Light

接线图 /wiring diagram



注：电源功率足够大的情况下，灯具最大串接的数量为8PCS(9W),16PCS(5W),24PCS(2.5W)。

Remark:Under the condition of high power, lamps with series connection can be 8pcs(9W) / 16PCS(5W) / 24PCS(2.5W) at the most.

订货指南/Order Guide

ERP 产品ERP编码 Product Code	V 输入电压 Supply Voltage	W 功率 Power	W 线路功率 Circuit Power	LM 光通量 Flux	K 色温 CCT	发光角度 Beam Angle	h 设计寿命 Life	颜色 Color	IP IP等级 IP Rating
HQLF2.5/D24/XT02-300C-A 晶元 2.5W									
2511681008	DC24	2.5	≤3.5	---	---	120	50000	Red	IP65
2511681009	DC24	2.5	≤3.5	---	---	120	50000	Green	IP65
2511681010	DC24	2.5	≤3.5	---	---	120	50000	Blue	IP65
2511681011	DC24	2.5	≤3.5	190	3000	120	50000	WW	IP65
2511681012	DC24	2.5	≤3.5	208	4000	120	50000	NW	IP65
2511681013	DC24	2.5	≤3.5	220	6500	120	50000	CW	IP65
HQLF5/D24/XT02-600C-A 晶元 5W									
2511639013	DC24	5	≤6.5	---	---	120	50000	Red	IP65
2511639014	DC24	5	≤6.5	---	---	120	50000	Green	IP65
2511639015	DC24	5	≤6.5	---	---	120	50000	Blue	IP65
2511639016	DC24	5	≤6.5	380	3000	120	50000	WW	IP65
2511639017	DC24	5	≤6.5	416	4000	120	50000	NW	IP65
2511639018	DC24	5	≤6.5	440	6500	120	50000	CW	IP65
HQLF9/D24/XT02-1000C-A 晶元 9W									
2511640024	DC24	9	≤11	---	---	120	50000	Red	IP65
2511640025	DC24	9	≤11	---	---	120	50000	Green	IP65
2511640026	DC24	9	≤11	---	---	120	50000	Blue	IP65
2511640027	DC24	9	≤11	760	3000	120	50000	WW	IP65
2511640028	DC24	9	≤11	830	4000	120	50000	NW	IP65
2511640030	DC24	9	≤11	880	6500	120	50000	CW	IP65

LED 线条追逐管

LED Strip (With Chasing Effect)

XT02 2.5W/9W



产品特点/Characteristic

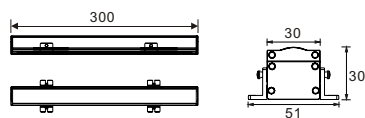
- 高强度铝合金灯体（表面氧化处理）
 - 功能描述：各种颜色变换、流动、追逐/颜色灰度变化。
 - 灯具颜色：银灰色。
 - LED光源驱动电流：18~20mA，50000小时寿命保障。
 - 电气绝缘等级：Class III。
 - 灯具防护等级：IP65。
 - 灯具防腐等级：WF1。
 - 灯具使用寿命：≥50000小时(正常使用情况下)。
-
- High intensity aluminum alloy abutment (oxidation coated)
 - Functions: Various color change , transition, chase/gradital change (DMX512)
 - Color: milk white diffused cover
 - LED driver: 18~20mA, 50000 hours service life
 - Electrical insulation class: Class III
 - IP class: IP65
 - Antisepsis class: Wf1
 - Service life: ≥50000h (under normal use)

适用环境/Applications

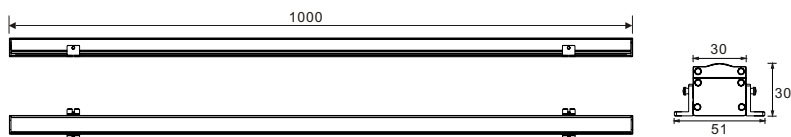
- 适合于建筑大厦、桥梁栏杆、酒吧舞厅等场所做轮廓装饰使用。
- Applies for buildings, bridge railings, pubs, ballrooms, etc

产品尺寸/ Product size

XT02/2.5W

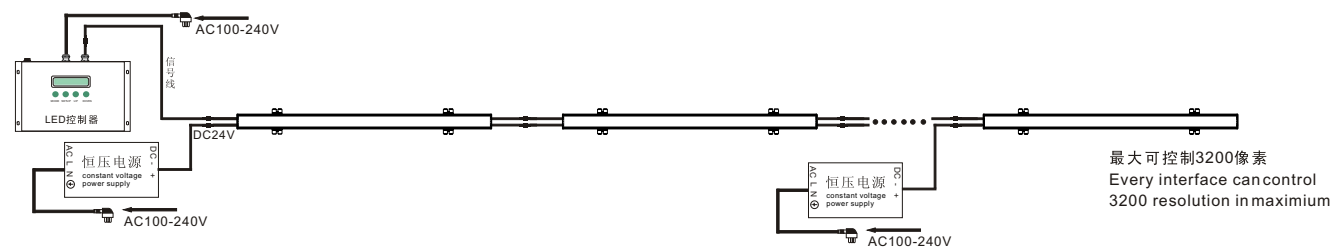


XT02/9W



LED 线条追逐管/LED Strip (With Chasing Effect)

接线图 /wiring diagram



注：电源功率足够大的情况下，灯具最大串接的数量为8PCS(9W),24PCS(2.5W)。
Remark: Under the condition of high power, lamps with series connection can be 8pcs(9W) / 24PCS(2.5W) at the most.

订货指南/Order Guide

ERP	V	W	W	K	▲	h	Color	IP
产品ERP编码 Product Code	输入电压 Supply Voltage	功率 Power	线路功率 Circuit Power	色温 CCT	发光角度 Beam Angle	设计寿命 Life	颜色 Color	IP等级 IP Rating
HQLF2.5/D24/XT02-300C-C 晶元 2.5W								
2511681007	DC24	2.5	≤3.5	---	120	50000	RGB	IP65
HQLF9/D24/XT02-1000C-C 晶元 9W								
2511640029	DC24	9	≤11	---	120	50000	RGB	IP65

LED 变色护栏管

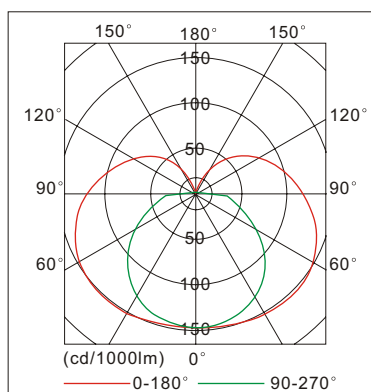
LED Digital Tube

HL01C 10W/15W

产品特点/Characteristic



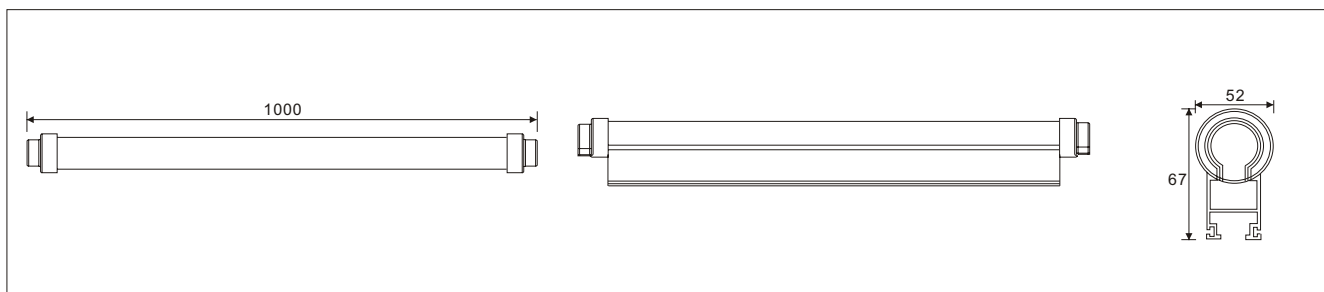
- D50 乳白PC管 或 D50 透明PC管 (抗UV聚碳酸酯) + 高强度铝合金安装支座 (表面氧化处理)
- 功能描述: 实现红、绿、黄、蓝、紫、青、白等单色颜色变换、灰度变化、流动、追逐、覆盖, 来回跑动, 分合扫描等功能。
- 灯具颜色: 乳白色扩散面罩。
- LED光源驱动电流: 18~20mA, 50000小时寿命保障。
- 电气绝缘等级: Class III。
- 灯具防护等级: IP65。
- 灯具防腐等级: WF1。
- 灯具使用寿命: ≥50000小时(正常使用情况下)。
- D50 milk white PC tube or D50 transparent PC tube (anti UV polycarbonate) + high intensity aluminum alloy abutment (oxidation coated).
- Functions: achieving transformation, gray change, flow, chase, cover, running back and forth, division and scan functions between red, green, yellow, blue, purple, indigo, white and other monochrome color.
- Color: milk white diffused cover.
- LED driver: 18~20mA, 50000 hours service life.
- Electrical insulation class: Class III.
- IP class: Ip65.
- Antisepsis class: Wf1.
- Service life: ≥50000h (under normal use).



适用环境/Applications

- 适合于建筑大厦、桥梁栏杆、酒吧舞厅等场所做轮廓装饰使用。
- Applies for buildings, bridge railings, pubs, ballrooms, etc

产品尺寸/ Product size

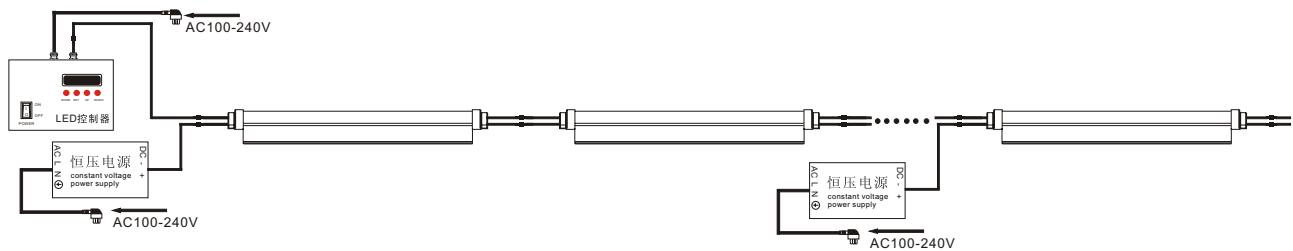


LED 变色护栏管/LED Digital Tube

订货指南/Order Guide

 产品ERP编码 Product Code	 输入电压 Supply Voltage	 LED光源数量 LED lamp amount	 输出功率 Lamp Power	 灯具功耗 Circuit Power	 光通量 Flux	 LED驱动电流 LED driving current	 光源 Lamp	 颜色 Color	 像素 Pixel	 IP等级 IP Rating
HQLF10/D24/HL01C 10W										
2591656001	DC24	R:36 B:36 G:36	R:0.048 G:0.06 B:0.06	12	R:1.2 G:1.8 B:0.4	18~20mA	直插草帽平头 (R、G、B方式) straw hat type LED (R、G、B)	全彩 Full color	6段 Paragraph 6 pixels	IP65
HQLF15/D24/HL01C 15W										
2591658001	DC24	R:48 B:48 G:48	R:0.048 G:0.06 B:0.06	16.5	R:1.2 G:1.8 B:0.4	18~20mA	直插草帽平头 (R、G、B方式) straw hat type LED (R、G、B)	全彩 Full color	8段 Paragraph 8 pixels	IP65

RGB接线图 /RGB wiring diagram



注：电源功率足够大的情况下，灯具最大串接的数量为10PCS。
Remark:Under the condition of high power, lamps with series connection can be 10pcs at the most.



LED 线条视频管

LED Strip (With Video Display Effect)

XT02/9W



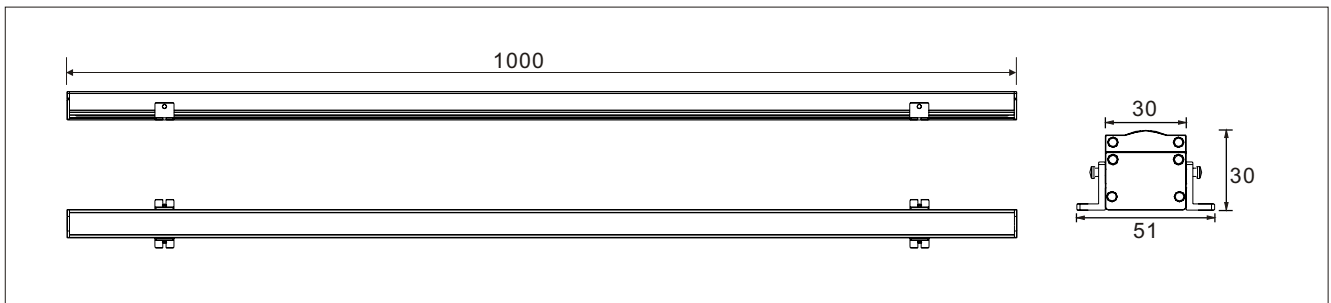
产品特点/Characteristic

- 高强度铝合金灯体（表面氧化处理）
- 功能描述：图片效果/播放文字，动画视频功能
- 灯具颜色：银灰色。
- LED光源驱动电流：18~20mA，50000小时寿命保障。
- 电气绝缘等级：Class III。
- 灯具防护等级：IP65。
- 灯具防腐等级：WF1。
- 灯具使用寿命：≥50000小时(正常使用情况下)。
- High intensity aluminum alloy abutment (oxidation coated)
- Functions: Special function of picture effect, character or animated video play.
- Color: milk white diffused cover.
- LED driver: 18~20mA, 50000 hours service life.
- Electrical insulation class: Class III.
- IP class: IP65
- Antisepsis class: Wf1
- Service life: ≥50000h (under normal use)

适用环境/Applications

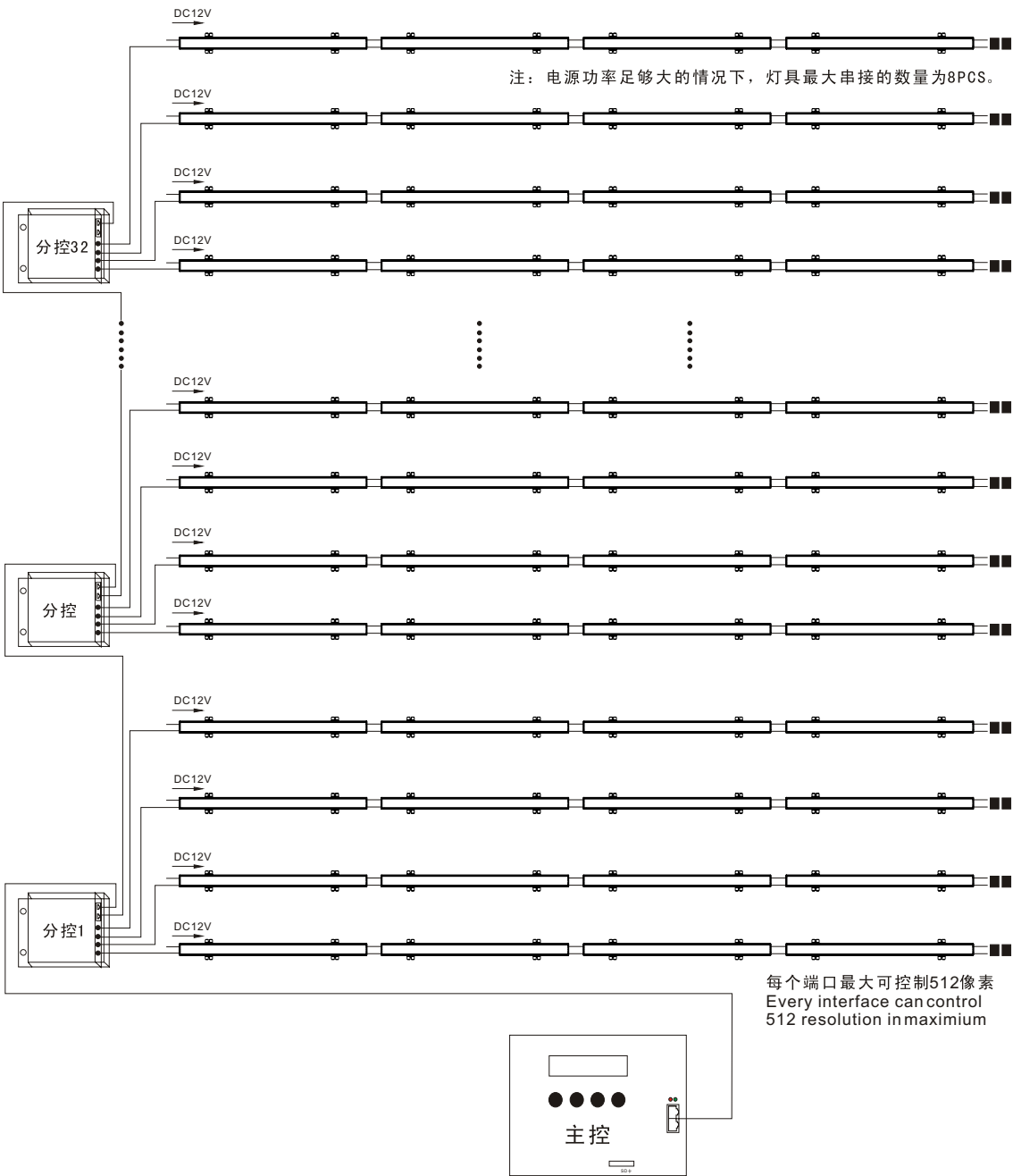
- 企业招牌、新型的动态户外广告牌、灯光工程、娱乐场所、文化广场标志牌等。
- Suitable for company signs, new design dynamic outdoor billboard, light engineering, entertainment site, cultural square sign, etc

产品尺寸/ Product size



LED 线条视频管/LED Strip (With Video Display Effect)

接线图 /wiring diagram



订货指南/Order Guide

ERP	V	W	W	K	▲	h	■	IP
产品ERP编码 Product Code	输入电压 Supply Voltage	功率 Power	线路功率 Circuit Power	色温 CCT	发光角度 Beam Angle	设计寿命 Life	颜色 Color	IP等级 IP Rating
HQLF9/D12/XT02-1000C-D 晶元 9W								
2511640031	DC12	9	≤11	---	120	50000	RGB	IP65

LED 防眩光洗墙灯

LED Anti-glare Wall Washer

XT45 5W/10W/15W



产品特点/Characteristic

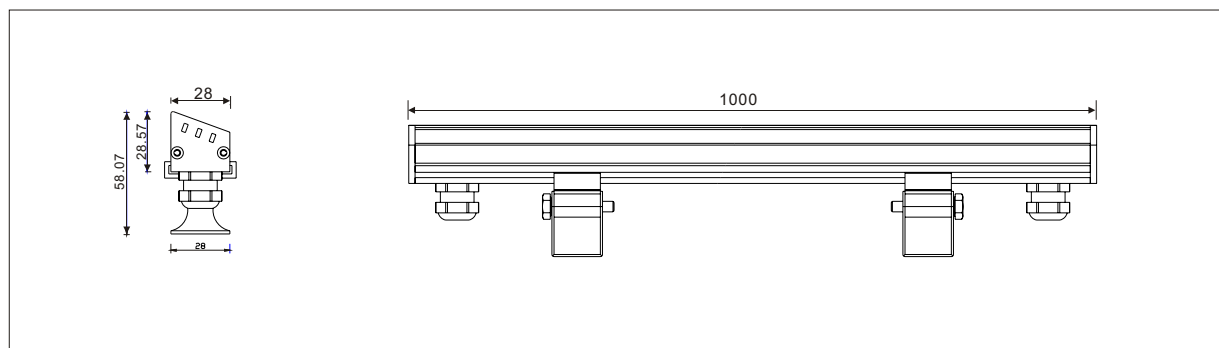
- 灯体采用铝合金材料外壳，散热结构优化设计，保证LED发光效率和使用寿命。
- 采用防紫外线，抗老化的胶水全部密封，防水性能达到IP65。
- 斜面设计，聚光照射效率更高，光线效果更明显，突显灯光美。
- 灯具颜色：银白色灯体
- 输入电压：DC 24V
- 灯具使用寿命：≥50000小时(正常使用情况下)。

- Alumina body, thermal structure, which guarantees LED light efficiency and service life.
- The glue used is anti-UV/aging. The protection level is Ip65.
- Adopted sloping top design creates higher luminous efficiency and features gentle light effect.
- Color: Silvery white body.
- Supply Voltage: DC 24V.
- Service life: ≥50000h (under normal use).

适用环境/Applications

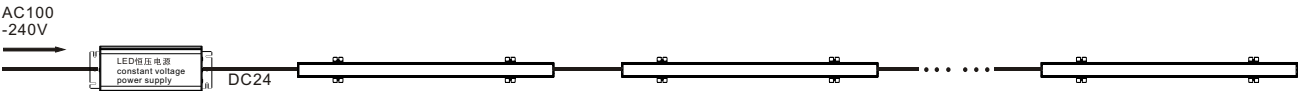
- 适合于建筑大厦、桥梁栏杆、酒吧舞厅等场所做轮廓装饰使用。
- Applies for buildings, bridge railings, pubs, ballrooms, etc.

产品尺寸/ Product size



LED 防水线条灯(斜面)/LED Strip(with Angular Surface)

接线图 /wiring diagram



注：电源功率足够大的情况下，灯具最大串接的数量为10PCS。
Remark: Under the condition of high power, lamps with series connection can be 10pcs at the most.

订货指南/Order Guide

ERP 产品ERP编码 Product Code	V 输入电压 Supply Voltage	W 功率 Power	W 线路功率 Circuit Power	LM 光通量 Flux	K 色温 CCT	 发光角度 Beam Angle	h 设计寿命 Life	 颜色 Color	IP IP等级 IP Rating
HQLF5/D24/XT45-1000C 5W									
---	DC24	4	≤5	320	3000	120	50000	WW	IP65
---	DC24	4	≤5	335	4000	120	50000	NW	IP65
---	DC24	4	≤5	350	6500	120	50000	CW	IP65
HQLF10/D24/XT45-1000C 10W									
---	DC24	8	≤10	650	3000	120	50000	WW	IP65
---	DC24	8	≤10	670	4000	120	50000	NW	IP65
---	DC24	8	≤10	700	6500	120	50000	CW	IP65
HQLF15/D24/XT45-1000C 15W									
---	DC24	12	≤15	980	3000	120	50000	WW	IP65
---	DC24	12	≤15	1000	4000	120	50000	NW	IP65
---	DC24	12	≤15	1050	6500	120	50000	CW	IP65

LED 带角度洗墙灯

LED Wall Washer with Beam Angle

XT47 10W



产品特点/Characteristic

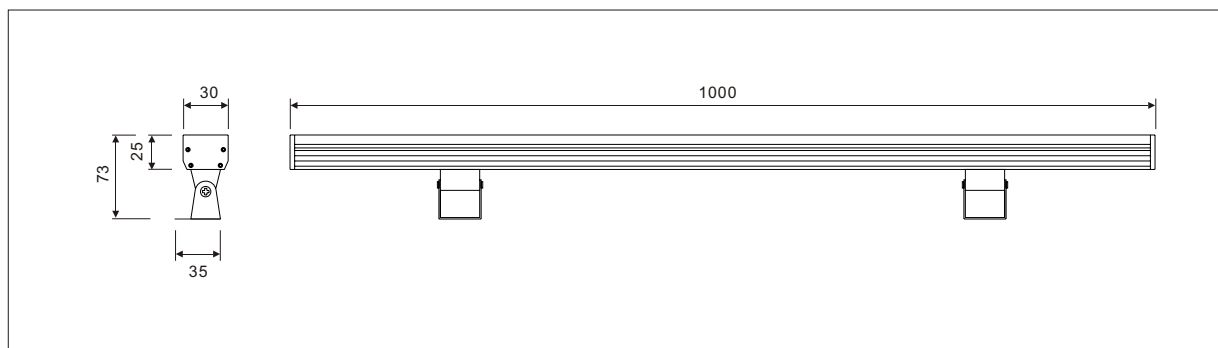
- 灯体采用铝合金材料外壳，散热结构优化设计，保证LED发光效率和使用寿命。
- 采用防紫外线，抗老化的胶水全部密封，防水性能达到IP65。
- 采用进口LED颗粒，专业光学配光，多种发光角度选择，光线效果更明显，更能突出洗墙效果。
- 灯具颜色：银白色灯体
- 输入电压：DC 24V
- 灯具使用寿命：≥50000小时(正常使用情况下)。

- Alumina body, thermal structure, which guarantees LED light efficiency and service life.
- The glue used is anti-UV/aging. The protection level is Ip65.
- Adopted imported LED chip matching with professional optical light distribution, a variety of beam angle selection enhance light effect & prominent wall washing effect.
- Color: Silvery white body.
- Supply Voltage: DC 24V.
- Service life: ≥50000h (under normal use).

适用环境/Applications

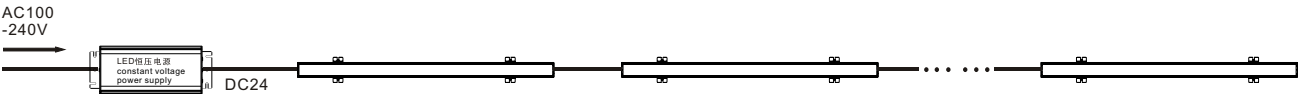
- 适合于建筑大厦、桥梁栏杆、酒吧舞厅等场所做轮廓装饰使用。
- Applies for buildings, bridge railings, pubs, ballrooms, etc.

产品尺寸/ Product size



LED 防水线条灯(斜面)/LED Strip(with Angular Surface)

接线图 /wiring diagram



注：电源功率足够大的情况下，灯具最大串接的数量为10PCS。
Remark:Under the condition of high power, lamps with series connection can be 10pcs at the most.

订货指南/Order Guide

ERP 产品ERP编码 Product Code	V 输入电压 Supply Voltage	W 功率 Power	W 线路功率 Circuit Power	LM 光通量 Flux	K 色温 CCT	 发光角度 Beam Angle	 可选角度 Optional Angle	h 设计寿命 Life	 颜色 Color	IP IP等级 IP Rating
HQLF47/D24/XT47-1000C 10W										
---	DC24	9	≤10	450	3000	30	45/60	50000	WW	IP65
---	DC24	9	≤10	475	4000	30	45/60	50000	NW	IP65
---	DC24	9	≤10	500	6500	30	45/60	50000	CW	IP65

LED 线条洗墙灯

LED Wall Washer

XT02 2.5W/5W/9W



产品特点/Characteristic

- 高强度铝合金灯体（表面氧化处理）
散热结构优化设计，保证LED发光效率和使用寿命。
- 采用高科技配光设计，无暗区，透光效率90%以上，并具有优良的耐气候特点，可满足长期室外使用需求。
- 灯具颜色：银灰色。
- LED光源驱动电流：18~20mA，50000小时寿命保障。
- 电气绝缘等级：Class III。
- 灯具防护等级：IP65。
- 灯具防腐等级：WF1。
- 灯具使用寿命：≥50000小时(正常使用情况下)。
- High intensity aluminum alloy abutment (oxidation coated) thermal structure, which guarantees LED light efficiency and service life.
- Optical class anti-UV lens, transmission efficiency reaches 90%, excellent weather resistance, could meet needs of long time outdoor use
- Color: milk white diffused cover
- LED driver: 18~20mA, 50000 hours service life
- Electrical insulation class: Class III
- IP class: Ip65
- Antisepsis class: Wf1
- Service life: ≥50000h (under normal use)

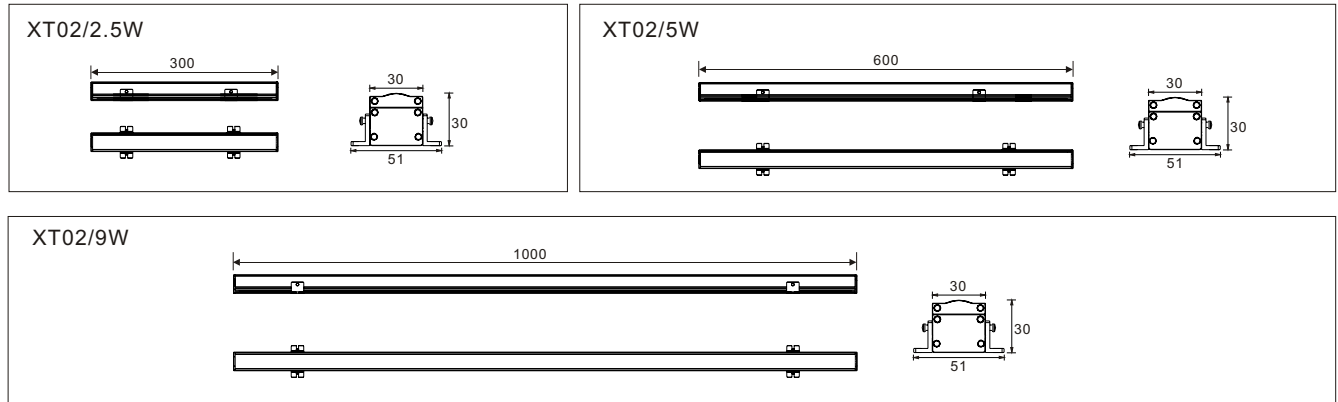
适用环境/Applications

- 适合于建筑大厦、桥梁栏杆、酒吧舞厅等场所做轮廓装饰使用。
- Applies for buildings, bridge railings, pubs, ballrooms, etc

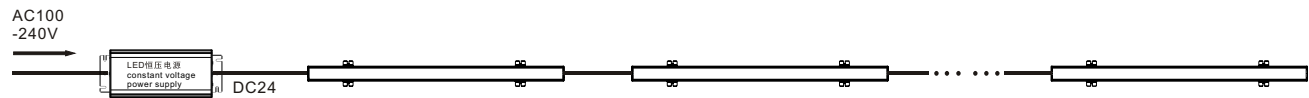


LED 线条洗墙灯/LED Wall Washer

产品尺寸/ Product size



接线图 /wiring diagram



注：电源功率足够大的情况下，灯具最大串接的数量为8PCS(9W),16PCS(5W),24PCS(2.5W)。
Remark: Under the condition of high power, lamps with series connection can be 8pcs(9W) / 16PCS(5W) / 24PCS(2.5W) at the most.

订货指南/Order Guide

ERP 产品ERP编码 Product Code	V 输入电压 Supply Voltage	W 功率 Power	W 线路功率 Circuit Power	LM 光通量 Flux	K 色温 CCT	发光角度 Beam Angle	h 设计寿命 Life	颜色 Color	IP IP等级 IP Rating
HQLF2.5/D24/XT02-300C-B 晶元 2.5W									
2511681001	DC24	2.5	≤3.5	---	---	45	50000	Red	IP65
2511681002	DC24	2.5	≤3.5	---	---	45	50000	Green	IP65
2511681003	DC24	2.5	≤3.5	---	---	45	50000	Blue	IP65
2511681004	DC24	2.5	≤3.5	190	3000	45	50000	WW	IP65
2511681005	DC24	2.5	≤3.5	208	4000	45	50000	NW	IP65
2511681006	DC24	2.5	≤3.5	220	6500	45	50000	CW	IP65
HQLF5/D24/XT02-600C-B 晶元 5W									
2511639006	DC24	5	≤6.5	---	---	45	50000	Red	IP65
2511639007	DC24	5	≤6.5	---	---	45	50000	Green	IP65
2511639008	DC24	5	≤6.5	---	---	45	50000	Blue	IP65
2511639009	DC24	5	≤6.5	380	3000	45	50000	WW	IP65
2511639010	DC24	5	≤6.5	416	4000	45	50000	NW	IP65
2511639011	DC24	5	≤6.5	440	6500	45	50000	CW	IP65
HQLF9/D24/XT02-1000C-B 晶元 9W									
2511640018	DC24	9	≤11	---	---	45	50000	Red	IP65
2511640019	DC24	9	≤11	---	---	45	50000	Green	IP65
2511640020	DC24	9	≤11	---	---	45	50000	Blue	IP65
2511640021	DC24	9	≤11	760	3000	45	50000	WW	IP65
2511640022	DC24	9	≤11	830	4000	45	50000	NW	IP65
2511640023	DC24	9	≤11	880	6500	45	50000	CW	IP65

LED 洗墙灯（支架安装式）

LED Wall Washer(Bracket Mounting Type)

XT01 12W/24W/36W

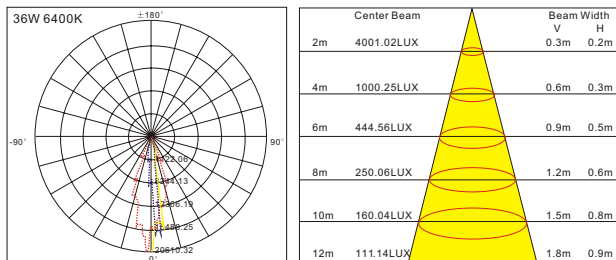


产品特点/Characteristic

- 灯体采用高纯铸铝灯壳，散热结构优化设计，保证LED发光效率和使用寿命。
- 面罩采用加厚钢化玻璃，抗冲击，耐摩擦。
- LED光源采用原装进口光源。配光采用光学级抗UV透镜，透光效率90%以上，并具有优良的耐气候特点，可满足长期室外使用需求。
- 灯具颜色：沙纹灰。
- LED驱动电源：恒流驱动方式，50000小时寿命保障。
- 电气绝缘等级：Class I，RGB为Class II。
- 灯具防护等级：IP65。
- 灯具防腐等级：WF1。
- 灯具使用寿命：≥50000小时(正常使用情况下)。
- High purity die-casting aluminum lamp shell, thermal structure, which guarantees LED light efficiency and service life.
- Thick tempered glass cover, anti-impact, friction-resistant.
- Adopted Imported lamp. Optical class anti-UV lens, transmission efficiency reaches 90%, excellent weather resistance, could meet needs of long time outdoor use.
- Color: ripple ash
- LED driver: driven by constant current, 50000 hours service life
- Electrical insulation class: Class I RGB: Class II.
- IP class: Ip65
- Antisepsis class: Wf1
- Service life: ≥50000h (under normal use)

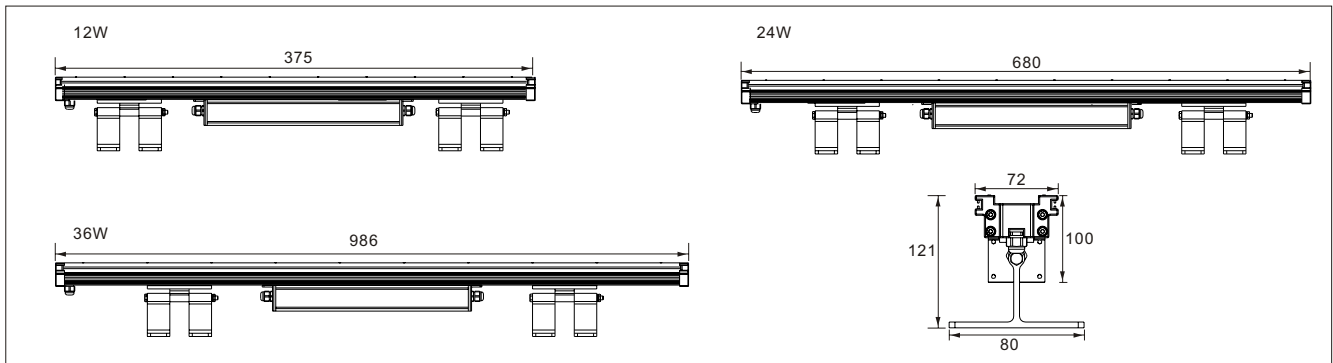
适用环境/Applications

- 建筑外墙、绿化景观、广告牌照明，以及酒吧、舞厅气氛照明等。
- Building exterior, landscape, billboard lighting, bar, disco atmosphere lighting etc.

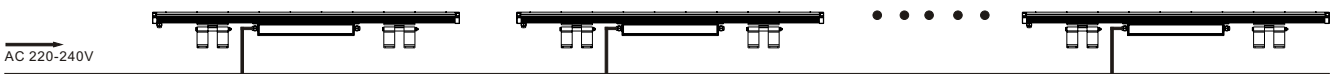


LED 洗墙灯(支架安装式)/LED Wall Washer(Bracket Mounting Type)

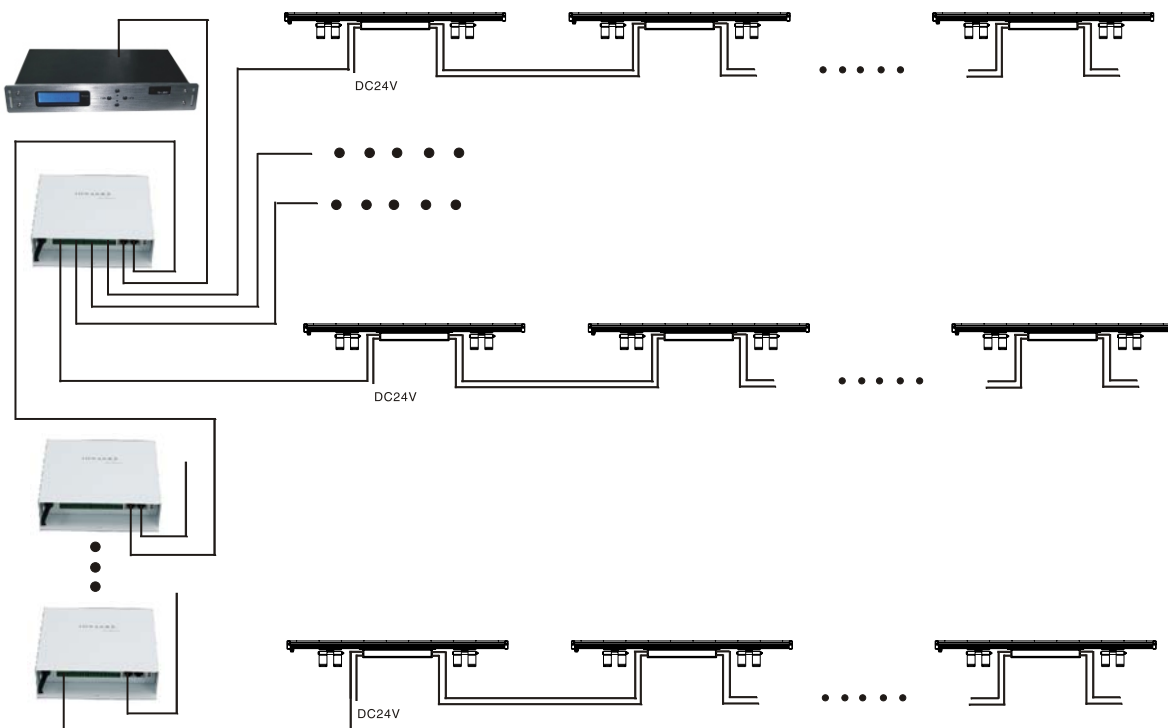
产品尺寸/ Product size



单色接线图 /Single wiring diagram



RGB接线图（采用DMX512控制方式）/RGBWiring diagram（Apply DMX512 control mode）



注:

1. 主控到分控的最大距离应小于100米。
2. 信号线布线大于100米或灯具超过32PCS, 需增加信号放大器。
3. 每一台主控最多可带32台分控。
4. 每台分控带4个端口, 每个端口最多可控170台灯具, 具体要看使用情况而定。

Remarks:

1. The maximum distance between master controller and sub-master controllers should be less than 100Meter
2. When the wiring of signal lines is over 100 Meter or quantity of lamp is more than 32pcs, it's necessary to add signal amplifier
3. Each master controller can be installed with 32pcs of sub-master controller at the most.
4. Each sub-master controller is with 4 terminals, and one terminal can control 170pcs of lamps at the most. It all depends on the actual condition.

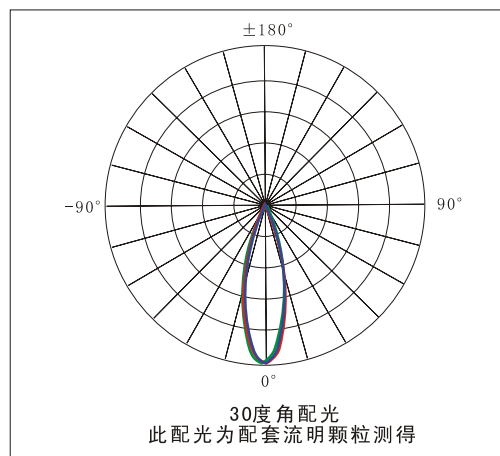
LED 洗墙灯(支架安装式)/LED Wall Washer(Bracket Mounting Type)

订货指南/Order Guide

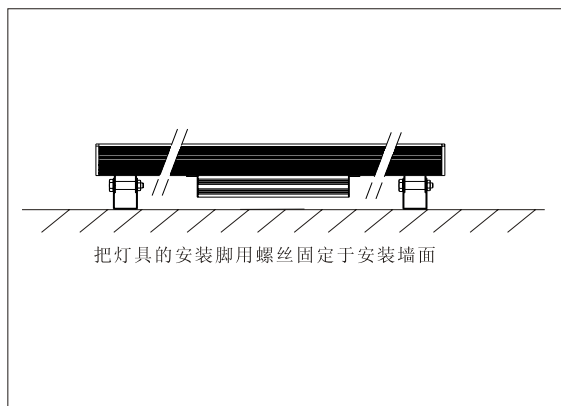
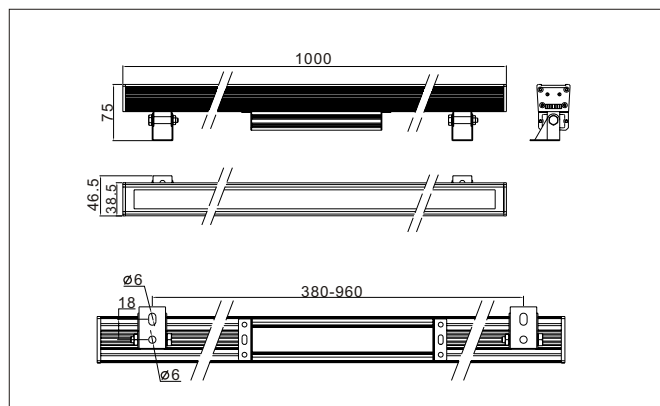
ERP 产品ERP编码 Product Code	V 额定电压 Rated Voltage	V 最大工作电压范围 Max. Operation voltage range	W 功率 Power	W 线路功率 Circuit Power	PF 功率因数 Power Factor	LM 光通量 Flux	K 色温 CCT	发光角度 Beam Angle	h 设计寿命 Life	颜色 Color	IP IP等级 IP Rating
HQLF12/221/XT01-375C CREE 12W											
2511664037	AC220-240	AC100-240	12	≤14	≥0.9	---	---	25×45	50000	Red	IP65
2511664038	AC220-240	AC100-240	12	≤14	≥0.9	---	---	25×45	50000	Green	IP65
2511664039	AC220-240	AC100-240	12	≤14	≥0.9	---	---	25×45	50000	Blue	IP65
2511664007	AC220-240	AC100-240	12	≤14	≥0.9	770	3000	25×45	50000	WW	IP65
2511664040	AC220-240	AC100-240	12	≤14	≥0.9	860	4000	25×45	50000	NW	IP65
2511664005	AC220-240	AC100-240	12	≤14	≥0.9	950	6500	25×45	50000	CW	IP65
HQLF12/D24/XT01-375C CREE 12W											
2511664006	DC24	---	12	≤14	---	---	---	25×45	50000	RGB	IP65
HQLF12/221/XT01-375C 晶元 12W											
2511664041	AC220-240	AC100-240	12	≤14	≥0.9	---	---	25×45	50000	Red	IP65
2511664042	AC220-240	AC100-240	12	≤14	≥0.9	---	---	25×45	50000	Green	IP65
2511664043	AC220-240	AC100-240	12	≤14	≥0.9	---	---	25×45	50000	Blue	IP65
2511664044	AC220-240	AC100-240	12	≤14	≥0.9	770	3000	25×45	50000	WW	IP65
2511664045	AC220-240	AC100-240	12	≤14	≥0.9	860	4000	25×45	50000	NW	IP65
2511664021	AC220-240	AC100-240	12	≤14	≥0.9	950	6500	25×45	50000	CW	IP65
HQLF12/D24/XT01-375C 晶元 12W											
2511664022	DC24	---	12	≤14	---	---	---	25×45	50000	RGB	IP65
HQLF24/221/XT01-680C CREE 24W											
2511652007	AC220-240	AC100-240	24	≤26	≥0.9	---	---	25×45	50000	Red	IP65
2511652008	AC220-240	AC100-240	24	≤26	≥0.9	---	---	25×45	50000	Green	IP65
2511652009	AC220-240	AC100-240	24	≤26	≥0.9	---	---	25×45	50000	Blue	IP65
2511652003	AC220-240	AC100-240	24	≤26	≥0.9	1540	3000	25×45	50000	WW	IP65
2511652004	AC220-240	AC100-240	24	≤26	≥0.9	1720	4000	25×45	50000	NW	IP65
2511652001	AC220-240	AC100-240	24	≤26	≥0.9	1990	6500	25×45	50000	CW	IP65
HQLF24/D24/XT01-680C CREE 24W											
2511652002	DC24	---	24	≤26	---	---	---	25×45	50000	RGB	IP65
HQLF24/221/XT01-680C 晶元 24W											
2511652010	AC220-240	AC100-240	24	≤26	≥0.9	---	---	25×45	50000	Red	IP65
2511652011	AC220-240	AC100-240	24	≤26	≥0.9	---	---	25×45	50000	Green	IP65
2511652012	AC220-240	AC100-240	24	≤26	≥0.9	---	---	25×45	50000	Blue	IP65
2511652013	AC220-240	AC100-240	24	≤26	≥0.9	1540	3000	25×45	50000	WW	IP65
2511652014	AC220-240	AC100-240	24	≤26	≥0.9	1720	4000	25×45	50000	NW	IP65
2511652005	AC100-240	AC100-240	24	≤26	≥0.9	1990	6500	25×45	50000	CW	IP65
HQLF24/D24/XT01-680C 晶元 24W											
2511652006	DC24	---	24	≤26	---	---	---	25×45	50000	RGB	IP65
HQLF36/221/XT01-986C CREE 36W											
2511648028	AC220-240	AC100-240	36	≤40	≥0.9	---	---	25×45	50000	Red	IP65
2511648029	AC220-240	AC100-240	36	≤40	≥0.9	---	---	25×45	50000	Green	IP65
2511648030	AC220-240	AC100-240	36	≤40	≥0.9	---	---	25×45	50000	Blue	IP65
2511648005	AC220-240	AC100-240	36	≤40	≥0.9	2300	3000	25×45	50000	WW	IP65
2511648027	AC220-240	AC100-240	36	≤40	≥0.9	2580	4000	25×45	50000	NW	IP65
2511648004	AC220-240	AC100-240	36	≤40	≥0.9	2850	6500	25×45	50000	CW	IP65
HQLF36/D24/XT01-986C CREE 36W											
2511648003	DC24	---	36	≤40	---	---	---	25×45	50000	RGB	IP65
HQLF36/221/XT01-986C 晶元 36W											
2511648031	AC220-240	AC100-240	36	≤40	≥0.9	---	---	25×45	50000	Red	IP65
2511648032	AC220-240	AC100-240	36	≤40	≥0.9	---	---	25×45	50000	Green	IP65
2511648033	AC220-240	AC100-240	36	≤40	≥0.9	---	---	25×45	50000	Blue	IP65
2511648034	AC220-240	AC100-240	36	≤40	≥0.9	2300	3000	25×45	50000	WW	IP65
2511648035	AC220-240	AC100-240	36	≤40	≥0.9	2580	4000	25×45	50000	NW	IP65
2511648010	AC220-240	AC100-240	36	≤40	≥0.9	2850	6500	25×45	50000	CW	IP65
HQLF36/D24/XT01-986C 晶元 36W											
2511648013	DC24	---	36	≤40	---	---	---	25×45	50000	RGB	IP65

LED 洗墙灯(支架安装式)/LED Wall Washer(Bracket Mounting Type)

XT03 18W 24W 36W



产品尺寸及安装方式/ Product size and luminaire installation

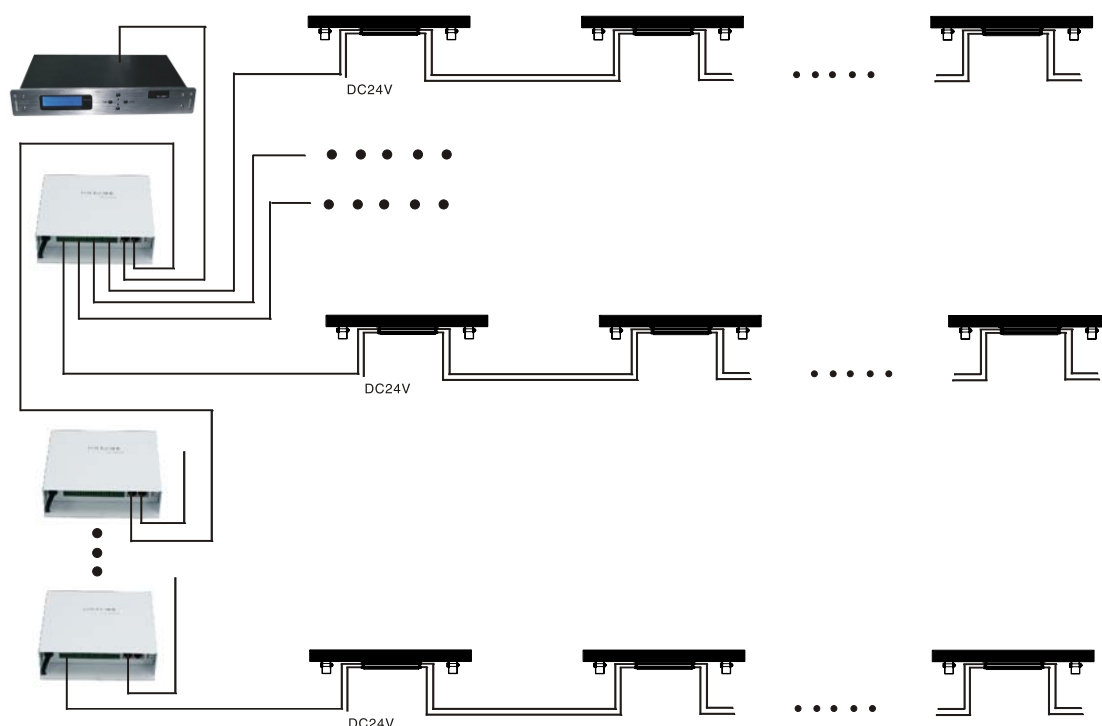


单色接线图 /Single wiring diagram



LED 洗墙灯(支架安装式)/LED Wall Washer(Bracket Mounting Type)

RGB接线图 (采用DMX512控制方式) /RGBWiring diagram (Apply DMX512 control mode)



注:

1. 主控到分控的最大距离应小于100米。
2. 信号线布线大于100米或灯具超过32PCS, 需增加信号放大器。
3. 每一台主控最多可带32台分控。
4. 每台分控带4个端口, 每个端口最多可控170台灯具, 具体要看使用情况而定。

Remarks:

1. The maximum distance between master controller and sub-master controllers should be less than 100Meter
2. When the wiring of signal line is over 100 Meter or quantity of lamp is more than 32pcs, it's necessary to add signal amplifier
3. Each master controller can be installed with 32pcs of sub-master controller at the most.
4. Each sub-master controller is with 4 terminals, and one terminal can control 170pcs of lamps at the most. It all depends on the actual condition.

订货指南/Order Guide

ERP	V	W	W	PF	LM	K			h		IP
产品ERP编码 Product Code	输入电压 Supply Voltage	功率 Power	线路功率 Circuit Power	功率因数 Power Factor	光通量 Flux	色温 CCT	发光角度 Beam Angle	可选角度 Optional Angle	设计寿命 Life	颜色 Color	IP等级 IP Rating
HQLF18/221/XT03-1000C 18W											
2511643002	AC220~240	18X1	22	≥0.5	860	3000	30	45	30000	WW	IP65
2511643005	AC220~240	18X1	22	≥0.5	880	4000	30	45	30000	NW	IP65
2511643003	AC220~240	18X1	22	≥0.5	930	6500	30	45	30000	CW	IP65
HQLF18/D24/XT03-1000C 18W											
---	DC24	18X1	22	---	---	---	30	45	30000	RGB	IP65
HQLF24/221/XT03-1000C 24W											
2511652018	AC220~240	24X1	28	≥0.5	1100	3000	30	45	30000	WW	IP65
2511652019	AC220~240	24X1	28	≥0.5	1180	4000	30	45	30000	NW	IP65
2511652017	AC220~240	24X1	28	≥0.5	1250	6500	30	45	30000	CW	IP65
HQLF24/D24/XT03-1000C 24W											
---	DC24	24X1	28	---	---	---	30	45	30000	RGB	IP65
HQLF36/221/XT03-1000C 36W											
---	AC220~240	36X1	41	≥0.5	1650	3000	30	45	30000	WW	IP65
---	AC220~240	36X1	41	≥0.5	1699	4000	30	45	30000	NW	IP65
---	AC220~240	36X1	41	≥0.5	1875	6500	30	45	30000	CW	IP65
HQLF36/D24/XT03-1000C 36W											
---	DC24	36X1	41	---	---	---	30	45	30000	RGB	IP65

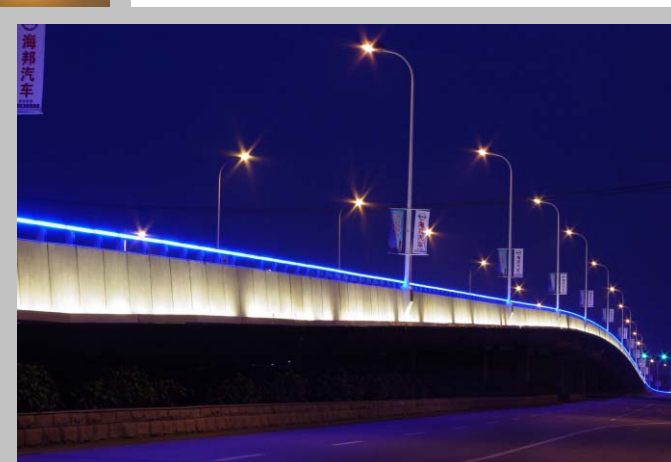
*以上产品编码属于对应的发光角度产品, 订货时请注明发光角度。

Above order code is corresponding to different beam angle, customers should state the beam angle while placing.

LED 洗墙灯(支架安装式)/LED Wall Washer(Bracket Mounting Type)

LED 洗墙灯应用

LED Wall Washer applications



LED 点光源

LED Point Light

DG01/3W



可选乳白罩
Optional for milky white cover

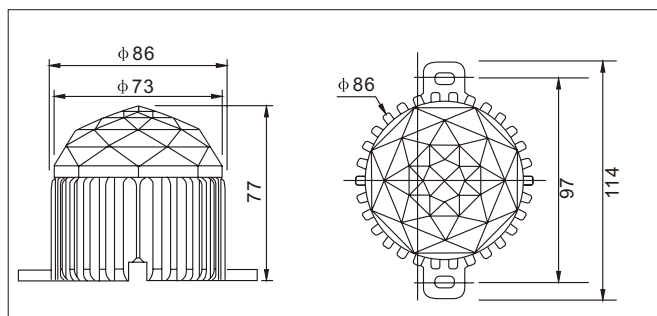
产品特点/Characteristic

- 采用压铸铝灯体，银灰色静电喷塑表面处理，一体化散热结构设计，保证LED发光效率及使用寿命，外形精致，便于隐藏安装，不破坏整体美观，螺钉直接固定，简单方便。
- 优良的配光设计，透光率高，并具有良好的耐气候特点，可满足长期室外使用要求。
- 灯具颜色：沙纹灰。
- LED驱动电源：恒流驱动方式，50000小时寿命保障。
- 电气绝缘等级：Class I。
- 灯具防护等级：IP65。
- 灯具防腐等级：WF1。
- 灯具使用寿命：≥50000小时(正常使用情况下)。
- Die-casting aluminum lamp body, silver-gray powder coated, integrated thermal design to guarantee LED luminous efficiency and service life.
- Delicate appearance, easy to hide and install so not damage the overall appearance. Screw could be fixed directly, which is simple and convenient.
- Excellent optical design, high transmittance and good climatic resistance that can meet the requirements of long-term outdoor use.
- Color: ripple ash.
- LED driver: driven by constant current, 50000 hours service life.
- Electrical insulation class: Class I RGB: Class II.
- IP class: Ip65.
- Antiseptis class: Wf1.
- Service life: ≥50000h (under normal use).

适用环境/Applications

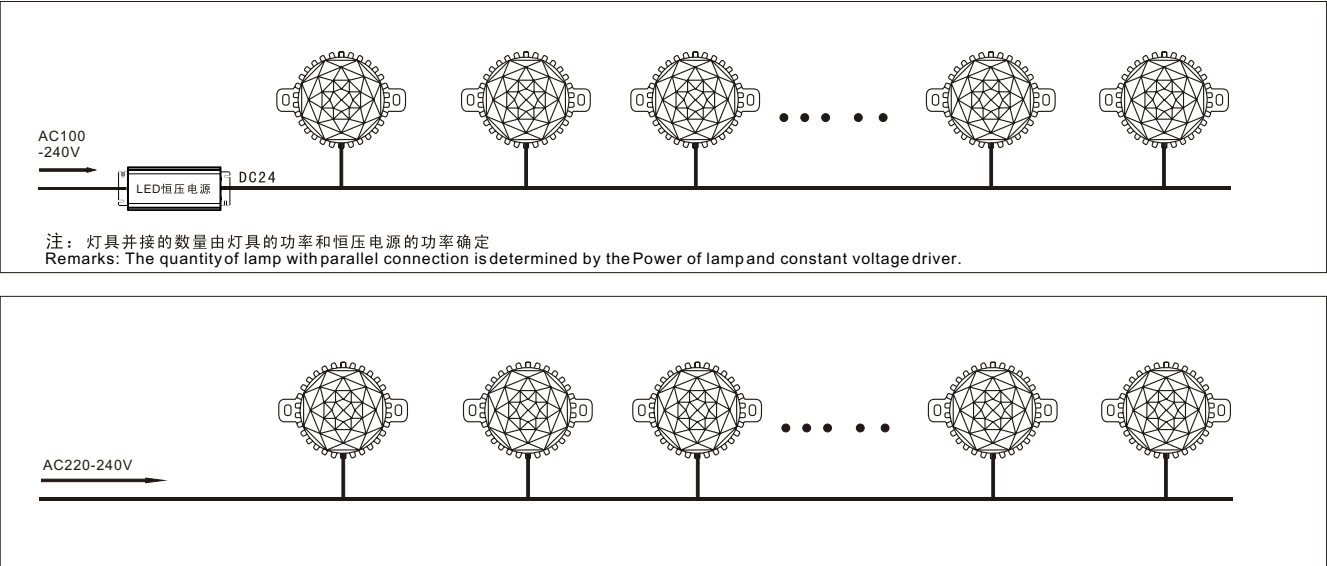
- 建筑物外墙，桥梁等亮化照明。
- Building, Bridge.

产品尺寸/ Product size



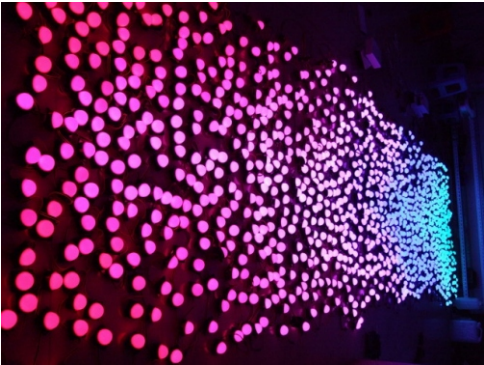
LED 点光源/LED Point Light

接线图 /Wiring diagram



订货指南/Order Guide

ERP	V	W	W	LM	K		h		IP
产品ERP编码 Product Code	输入电压 Supply Voltage	功率 Power	线路功率 Circuit Power	光通量 Flux	色温 CCT	发光角度 Beam Angle	设计寿命 Life	颜色 Color	IP等级 IP Rating
HQLF3/D24/DG01 晶元 3W									
2591638004	DC24	3	≤4.5	---	---	120	50000	Red	IP65
2591638005	DC24	3	≤4.5	---	---	120	50000	Green	IP65
2591638006	DC24	3	≤4.5	---	---	120	50000	Blue	IP65
2591638001	DC24	3	≤4.5	190	3000	120	50000	WW	IP65
2591638002	DC24	3	≤4.5	210	4000	120	50000	NW	IP65
2591638003	DC24	3	≤4.5	230	6500	120	50000	CW	IP65
HQLF3/221/DG01 晶元 3W									
2591638013	AC220-240V	3	≤4.5	---	---	120	50000	Red	IP65
2591638014	AC220-240V	3	≤4.5	---	---	120	50000	Green	IP65
2591638015	AC220-240V	3	≤4.5	---	---	120	50000	Blue	IP65
2591638011	AC220-240V	3	≤4.5	190	3000	120	50000	WW	IP65
2591638012	AC220-240V	3	≤4.5	210	4000	120	50000	NW	IP65
2591638008	AC220-240V	3	≤4.5	230	6500	120	50000	CW	IP65



LED 点光源/LED Point light

DG08/7W



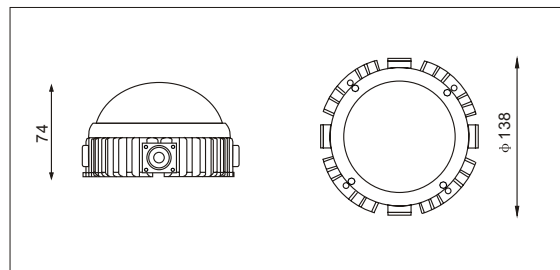
产品特点/Characteristic

- 灯体采用高强度铝材料，表面抗老化静电喷塑处理，抗腐蚀性强。
 - 采用进口PC奶白色面罩，抗冲击，耐摩擦。
 - 内置隔离恒流驱动电源，确保整灯的稳定性能。
 - 灯具侧面采用PMMA光学透镜，选用30° 角度实现所需投射效果，顶部PC面罩120° 发光。
 - 灯具侧面为十字出光，顶部为点光源，可搭配多种颜色或彩色变化，以实现整体亮化效果。
- Adopted high intensity aluminum as housing, anti-aging electrostatic spray treatment on the surface creates strong corrosion resistance.
 - Adopted imported milky white PC cover, shock resistance and abrasion resistance.
 - Adopted isolated constant current power supply inside to make sure stable performance of the fixture.
 - Adopted PMMA transparent material in the side of the fixture. using 30 beam angle to achieve the lighting effect, beam angle of top PC cover is 120
 - The side of the fixture is cross-shaped lighting, point lamp on the top, available for different color matching and changing color that achieving overall lighting effect.

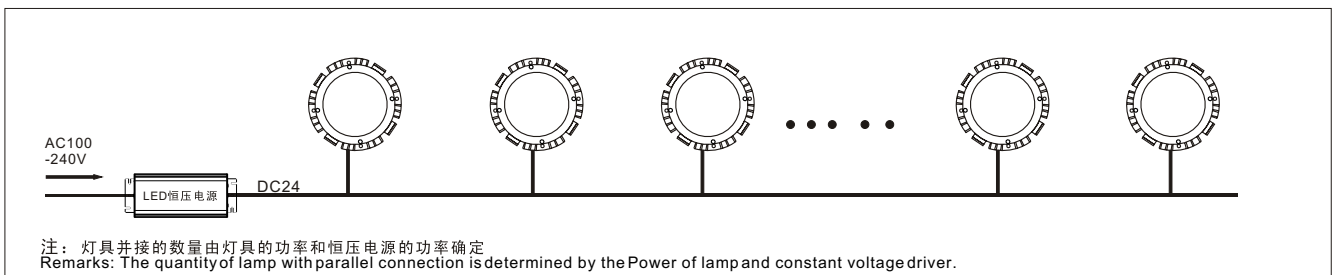
适用环境/Applications

- 建筑物外墙，桥梁等亮化照明。
- Outer wall of building and bridge.

产品尺寸/ Product size



接线图 /Wiring diagram



LED 点光源/LED Point light

订货指南/Order Guide

ERP 产品ERP编码 Product Code	V 输入电压 Supply Voltage	W 功率 Power	W 线路功率 Circuit Power	LM 光通量 Flux	K 色温 CCT	发光角度 Beam Angle	h 设计寿命 Life	颜色 Color	IP IP等级 IP Rating
HQLF7/D24/DG08 晶元 7W									
2591674001	DC24	7	≤9	---	---	120	50000	Red	IP65
2591674002	DC24	7	≤9	---	---	120	50000	Green	IP65
2591674003	DC24	7	≤9	---	---	120	50000	Blue	IP65
2591674004	DC24	7	≤9	400	3000	120	50000	WW	IP65
2591674005	DC24	7	≤9	440	4000	120	50000	NW	IP65
2591674006	DC24	7	≤9	480	6500	120	50000	CW	IP65



LED 水晶点光源(DMX512控制)

LED Crystal Point Light(DMX512 control)



ZQ05/12W
(壁装型/wall-mounted type)

产品特点/Characteristic

- 灯体采用K9水晶设计，晶莹剔透，外观精美，透光率更高，光线折射效果更好。
- 采用进口的LED光源，保证产品的使用寿命，采用光学级的配光设计，颜色变化效果更完美。
- 灯具颜色：沙纹灰/香槟金。
- LED驱动电源：恒流驱动方式，50000小时寿命保障。
- 电气绝缘等级：Class III。
- 灯具防腐等级：WF1。
- 灯具使用寿命：≥50000小时(正常使用情况下)。
- K9 crystal housing is with attractive appearance, higher light transmittance and better refraction effect.
- Apply with imported LED chip to guarantee product service life.
- Color: sand gray/ champaign gold
- LED driver: driven by constant current, 50000 hours service life.
- Electrical insulation class: Class III.
- Antisepsis class: Wf1.
- Service life: ≥50000h(under normal use).

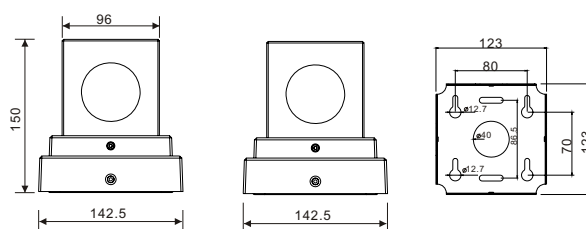
适用环境/Applications

- 壁装型适合用于建筑物外墙，桥梁等亮化照明；
吊装型适用于酒店内装饰照明。
- wall-mounted type: suitable for exterior wall of buildings and bridges;
ceiling-mounted type: suitable for decoration lighting in hotels.

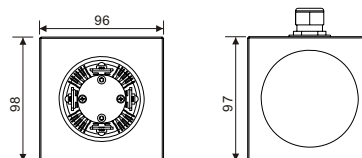


ZQ06/10W
(吊装型/ceiling-mounted type)

产品尺寸/ Product size



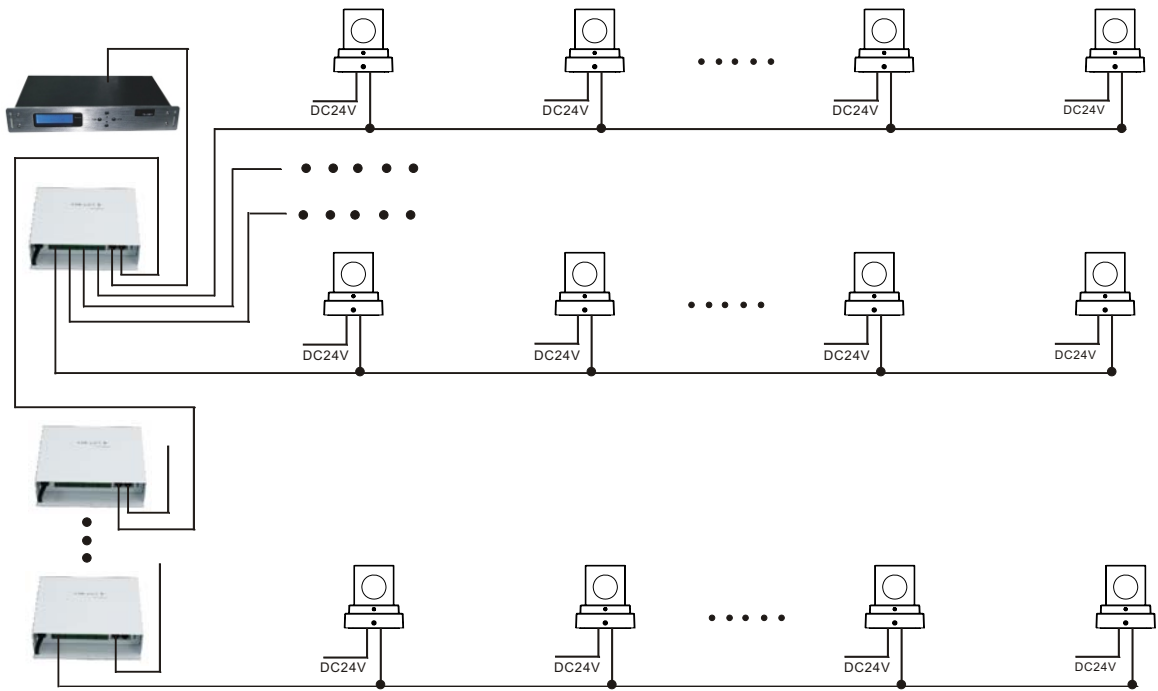
(壁装型/wall-mounted type)



(吊装型/ceiling-mounted type)

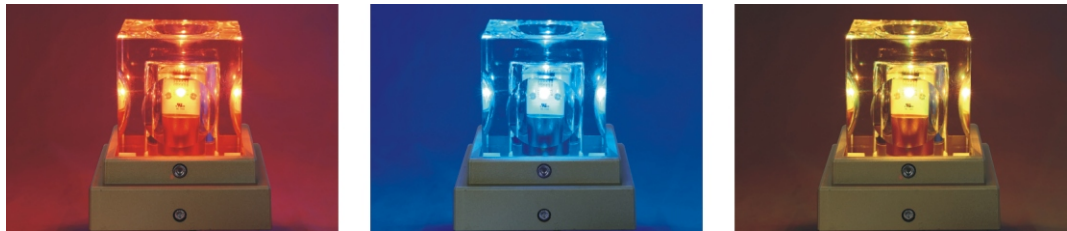
LED 水晶点光源(DMX512控制)/LED Crystal Point Light(DMX512 control)

RGB接线图（采用DMX512控制方式）/RGBWiring diagram（Apply DMX512 control mode）



- 注:
- 1. 主控到分控的最大距离应小于100米。
 - 2. 信号线布线大于100米或灯具超过32PCS, 需增加信号放大器。
 - 3. 每一台主控最多可带32台分控。
 - 4. 每台分控带4个端口, 每个端口最多可控170台灯具, 具体要看使用情况而定。

- Remarks:
- 1. The maximum distance between master controller and sub-master controller should be less than 100 Meter
 - 2. When the wiring of signal line is over 100 Meter or quantity of lamp is more than 32 pcs, it's necessary to add signal amplifier
 - 3. Each master controller can be installed with 32 pcs of sub-master controller at the most.
 - 4. Each sub-master controller is with 4 terminals, and one terminal can control 170 pcs of lamps at the most. It all depends on the actual condition.



订货指南/Order Guide

 产品ERP编码 Product Code	 输入电压 Supply Voltage	 功率 Power	 线路功率 Circuit Power	 发光角度 Beam Angle	 设计寿命 Life	 颜色 Color	 IP等级 IP Rating	 控制方式 Control
HQLF12M/D24/ZQ05 12W								
2551664061	DC24V	12	13	360	50000	RGB	IP65	DMX512控制
HQLF10M/D24/ZQ06 10W								
2551656035	DC24V	10	11	360	50000	RGB	IP20	DMX512控制

LED 墙灯(嵌入式)

LED Wall Light(Recessed Type)

ZQ01/5W



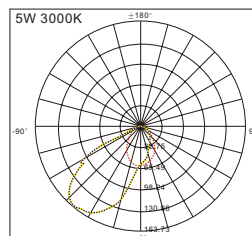
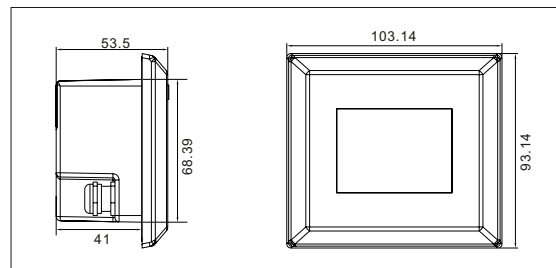
产品特点/Characteristic

- 灯体采用优质塑料外壳，散热结构优化设计，保证LED发光效率和使用寿命。
 - LED光源采用CREE原装光源(CREE芯片技术/CREE封装技术)。
 - 灯具颜色：白色，沙纹灰。
 - LED驱动电源：恒流驱动方式，50000小时寿命保障。
 - 电气绝缘等级：Class I。
 - 灯具防护等级：IP65。
 - 灯具防腐等级：WF1。
 - 灯具使用寿命：≥50000小时(正常使用情况下)。
- High quality plastic lamp shell, thermal structure, which guarantees LED light efficiency and service life
 - Adopted CREE original lamp (CREE chip technology/CREE encapsulation technology)
 - Color: ripple ash
 - LED driver: driven by constant current, 50000 hours service life
 - Electrical insulation class: Class I
 - IP class: Ip65
 - Antisepsis class: Wf1
 - Service life: ≥50000h (under normal use)

适用环境/Applications

- 院子、墙内、阶梯边、走廊墙角。
- Courtyard, wall, stepedge, corridor wall

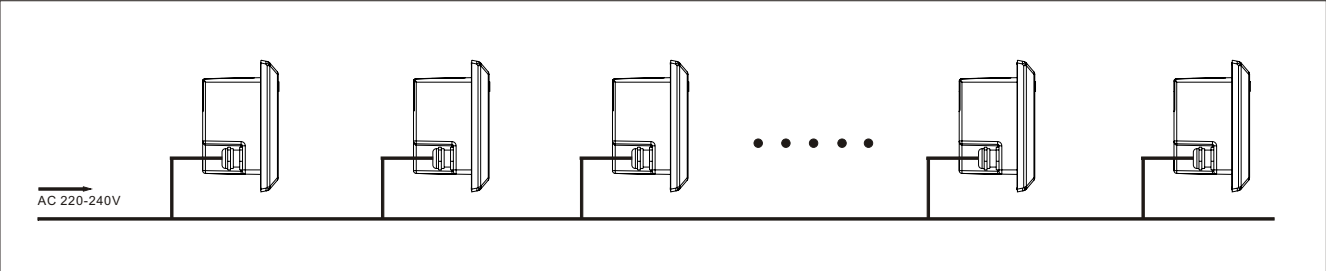
产品尺寸/ Product size



	Center Beam		Beam Width	
	V	H	V	H
2m	14.81LUX		2.0m	3.2m
4m	3.70LUX		4.0m	6.4m
6m	1.65LUX		6.1m	9.7m
8m	0.93LUX		8.1m	12.9m
10m	0.59LUX		10.1m	16.1m
12m	0.41LUX		12.1m	19.3m

LED 墙灯(嵌入式)/LED Wall Light(Recessed Type)

接线图 /Wiring diagram



订货指南/Order Guide

ERP	V	V	W	W	PF	LM	K	▲	h	Color	IP
产品ERP编码 Product Code	额定电压 Rated Voltage	最大工作电压范围 Max Operation voltage range	功率 Power	线路功率 Circuit Power	功率因数 Power Factor	光通量 Flux	色温 CCT	发光角度 Beam Angle	设计寿命 Life	颜色	IP等级 IP Rating
HQLF5/221/ZQ01 CREE 5W											
2551639001	AC220-240	AC100-240	5	≤7	≥0.6	320	3000	120	50000	WW	IP65
2551639002	AC220-240	AC100-240	5	≤7	≥0.6	360	4000	120	50000	NW	IP65
2551639003	AC220-240	AC100-240	5	≤7	≥0.6	390	6500	120	50000	CW	IP65





LED Road Light Series

LED 道路照明系列



LED路灯照明

LED Road Light



产品特点

一. 防雷击

华全LED路灯能高强抗雷击，防止LED驱动控制器和光源的损坏。

二. 高光效

华全LED路灯整灯光效大于110 lm/W。

三. 节能环保

华全LED路灯符合RoSH要求，不含汞等重金属。

四. 智能控制

华全LED路灯，可按不同时段或车、人稀少时段，实现智能自动化调光控制。

Characteristic

1. Anti-surge function

Huaquan's LED roadlights are equipped with high impact resistant anti-surge function, prevent LED drivers and LED light from being damage.

2. High luminous efficiency

Luminous efficiency of Huaquan's LED road light fixture: ≥ 110 lm/W.

3. Energy-saving and environmentally friendly

Huaquan's LED roadlights comply with RoSH requirements, free from contaminating material like mercury.

4. Intelligent control

With intelligent design, Huaquan's LED road light achieved automatic dimming control according to different times and different traffic conditions.

适用环境/Applications

- 道路、收费站、高架桥、停车场、广场等场所。
- Road, bridge, square, dock, parking lot, city district, ect

LED路灯系列



LD01



LD02



LD03



LD04



LD01A



LD02A



LD03A



LD04A



LD05A



LD06A



LD01C



LD02C



LD03C



LD04C



LD05C



LD06C



LD01D



LD02D



LD03D



LD04D



LD05D



LD06D



LD07D



LD08D



LD01E



LD02E



LD03E



LD04E



LD05E



LD06E



LD07E



LD08E

LED路灯照明

LED Road Light

产品特点

一. 防雷击

华全LED路灯能高强抗雷击，防止LED驱动控制器和光源的损坏。

二. 高光效

华全LED路灯整灯光效大于110 lm/W。

三. 节能环保

华全LED路灯符合RoSH要求，不含汞等重金属。

四. 智能控制

华全LED路灯，可按不同时段或车、人稀少时段，实现智能自动化调光控制。

- 灯体采用高纯铸铝灯壳，散热结构优化设计，保证LED发光效率和使用寿命。外观轻薄，有效降低风阻，减轻灯杆的负荷，增强安全系数。
- LED光源采用CREE原装光源，CREE封装技术。
- 灯具颜色：沙纹灰。
- LED驱动电源：恒流驱动方式，50000小时寿命保障。
- 电气绝缘等级：Class I。
- 灯具防护等级：IP65。
- 灯具防腐等级：WF1。
- 灯具使用寿命：≥50000小时(正常使用情况下)。

Characteristic

1. Anti-surge function

Huaquan's LED roadlights are equipped with high impact resistant anti-surge function, prevent LED drivers and LED light from being damage.

2. High luminous efficiency

Luminous efficiency of Huaquan's LED road light fixture: ≥ 110 lm/W.

3. Energy-saving and environmentally friendly

Huaquan's LED roadlights comply with Rosh requirements, free from contaminating material like mercury.

4. Intelligent control

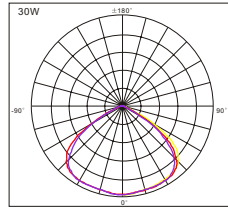
With intelligent design, Huaquan's LED road light achieved automatic dimming control according to different times and different traffic conditions.

- Imported- polycarbonate injected lamp shade, high intensity, excellent transmittance. Light and thin, effectively reduces wind resistance and load on the pole, enhances safety factor.
- Adopted CREE original lamp, CREE encapsulation technology.
- Color: ripple ash
- LED driver: driven by constant current, 50000 hours service life
- Electrical insulation class: Class I
- IP class: Ip65
- Antisepsis class: Wf1
- Service life: ≥50000h (under normal use)

适用环境/Applications

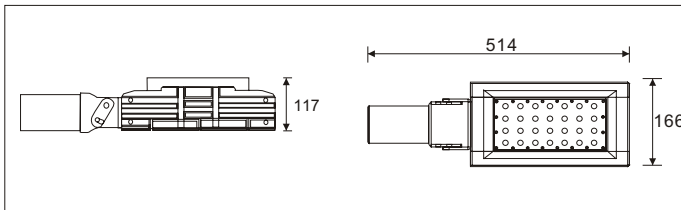
- 道路、收费站、高架桥、停车场、广场等场所。
- Road, bridge, square, dock, parking lot, city district, ect

LED路灯(A系列)/LED Road Light

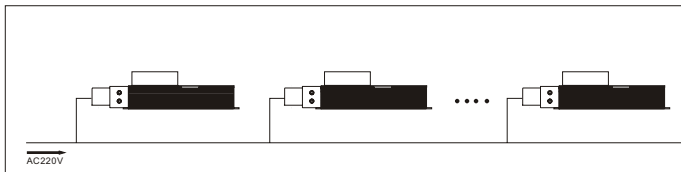


LD01A/30W LD01A-1/40W LD01A-2/45W

产品尺寸/size



接线图/wiring diagram



订货指南/Order Guide

ERP	V	V	W	替换 高压钠灯 功率(W) Replaces Watts	W	PF	LM	K	h	颜色	IP
产品ERP编码 Product Code	额定电压 Rated Voltage	最大工作电压范围 Max. Operation voltage range	功率 Power		线路功率 Circuit Power	功率因数 Power Factor	光通量 Flux	色温 CCT	发光角度 Beam Angle	设计寿命 Life	IP等级 IP Rating
HQLF30/220/LD01A 30W											
2531660012	AC220V	AC220~240V	28x1	70	≤33	≥0.9	2730	3000	120	50000	WW IP65
2531660013	AC220V	AC220~240V	28x1	70	≤33	≥0.9	2910	4000	120	50000	NW IP65
2531660008	AC220V	AC220~240V	28x1	70	≤33	≥0.9	3115	5000	120	50000	CW IP65
2531660015	AC220V	AC220~240V	28x1	70	≤33	≥0.9	3115	6400	120	50000	CW IP65
HQLF40/220/LD01A-1 40W											
2531649005	AC220V	AC220~240V	28x1.3	70	≤41	≥0.9	3265	3000	120	50000	WW IP65
2531649006	AC220V	AC220~240V	28x1.3	70	≤41	≥0.9	3480	4000	120	50000	NW IP65
2531649001	AC220V	AC220~240V	28x1.3	70	≤41	≥0.9	3720	5000	120	50000	CW IP65
2531649009	AC220V	AC220~240V	28x1.3	70	≤41	≥0.9	3720	6400	120	50000	CW IP65
HQLF45/220/LD01A-2 45W											
2531683005	AC220V	AC220~240V	28x1.5	70	≤46	≥0.9	3590	3000	120	50000	WW IP65
2531683006	AC220V	AC220~240V	28x1.5	70	≤46	≥0.9	3825	4000	120	50000	NW IP65
2531683001	AC220V	AC220~240V	28x1.5	70	≤46	≥0.9	4090	5000	120	50000	CW IP65
2531683008	AC220V	AC220~240V	28x1.5	70	≤46	≥0.9	4090	6400	120	50000	CW IP65

- 灯体采用高纯铸铝灯壳，散热结构优化设计，保证LED发光效率和使用寿命。外观轻薄，有效降低风阻，减轻灯杆的负荷，增强安全系数。
- LED光源采用CREE原装光源，CREE封装技术。
- 灯具颜色：沙纹灰。
- LED驱动电源：恒流驱动方式，50000小时寿命保障。
- 电气绝缘等级：Class I。
- 灯具防护等级：IP65。
- 灯具防腐等级：WF1。
- 灯具使用寿命：≥50000小时(正常使用情况下)。
- Imported- polycarbonate injected lamp shade, high intensity, excellent transmittance,. Light and thin, effectively reduces wind resistance and load on the pole, enhances safety factor.
- Adopted CREE original lamp , CREE encapsulation technology.
- Color: ripple ash
- LED driver: driven by constant current, 50000 hours service life
- Electrical insulation class: Class I
- IP class: Ip65
- Antisepsis class: Wf1
- Service life: ≥50000h(under normal use)

30W LED路灯
30W LED road light



70W高压钠灯路灯
70 HPS road light

节能计算/Energy conservation

- 30W LED路灯取代70W高压钠灯,每只灯能节省40W功率。
- 每天工作24小时，每年工作365天，每年工作8760小时。
- 每年可以节约350度电。
- 可以减少替换次数5次。
- 30W LED road light replaces 70W high pressure sodium lamp, each saves 40W energy.
- Work 24 hours every day, 365 days every year and 8760 hours every year.
- Saves 350kWh electricity every year.
- Reduces 5 times for replacement

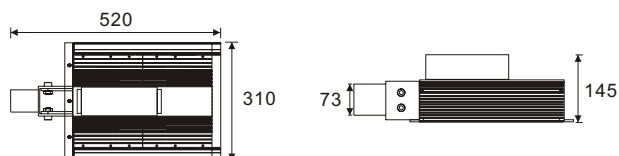
LED路灯(A系列)/LED Road Light



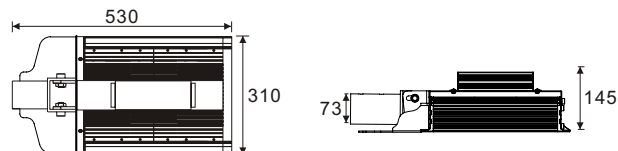
LD02A/60W LD02A-1/80W LD02A-2/90W

产品尺寸/size

A型尺寸



B型尺寸



60W LED路灯
60W LED road light



150W高压钠灯路灯
150 HPS road light

外形可选 (A型/B型)

节能计算/Energy conservation

- 60W LED路灯取代150W高压钠灯,每只灯能节省90W功率。
- 每天工作24小时, 每年工作365天, 每年工作8760小时。
- 每年可以节约788度电。
- 可以减少替换次数5次。
- 60W LED road light replaces 150W high pressure sodium lamp, each saves 90W energy.
- Work 24 hours every day, 365 days every year and 8760 hours every year.
- Saves 788 kWh electricity every year.
- Reduces 5 times for replacement

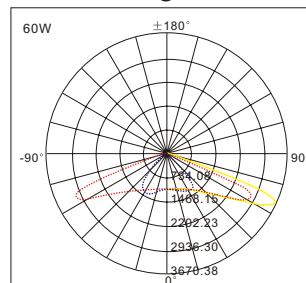
功率对比/Power comparison

60W = 150W

寿命对比/Life comparison

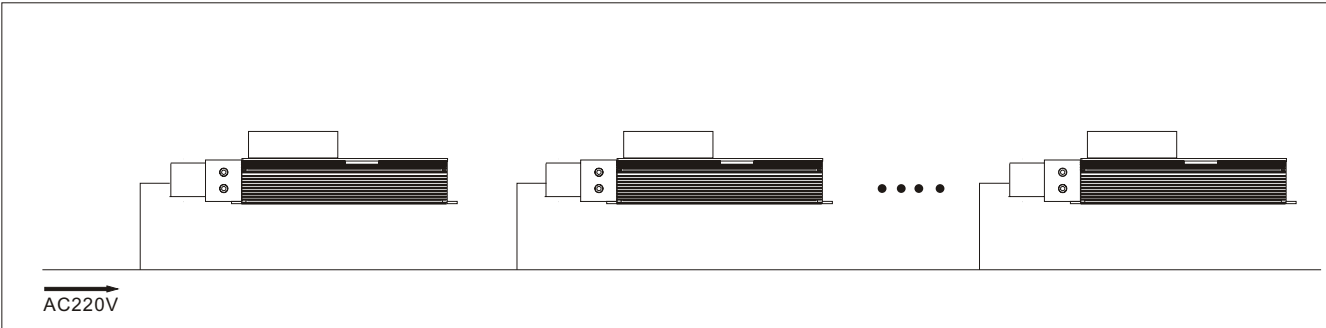
1 x 50000hrs = 5 x Standard

配光曲线/Light distribution curve



LED路灯(A系列)/LED Road Light

接线图/wiring diagram



订货指南/Order Guide

ERP 产品ERP编码 Product Code	V 额定电压 Rated Voltage	V 最大工作电压范围 Max. Operation Voltage range	W 功率 Power	替换 高压钠灯 功率(W) Replaces Watts	W 线路功率 Circuit Power	PF 功率因数 Power Factor	LM 光通量 Flux	K 色温 CCT	发光角度 Beam Angle	h 设计寿命 Life	颜色 Color	IP IP等级 IP Rating
HQLF60/220/LD02A 60W												
2531670024	AC220V	AC220~240V	56x1	150	≤66	≥0.9	5460	3000	120	50000	WW	IP65
2531670025	AC220V	AC220~240V	56x1	150	≤66	≥0.9	5820	4000	120	50000	NW	IP65
2531670020	AC220V	AC220~240V	56x1	150	≤66	≥0.9	6230	5000	120	50000	CW	IP65
2531670030	AC220V	AC220~240V	56x1	150	≤66	≥0.9	6230	6400	120	50000	CW	IP65
HQLF80/220/LD02A-1 80W												
2531605006	AC220V	AC220~240V	56x1.3	150	≤82	≥0.9	6530	3000	120	50000	WW	IP65
2531605007	AC220V	AC220~240V	56x1.3	150	≤82	≥0.9	6960	4000	120	50000	NW	IP65
2531605002	AC220V	AC220~240V	56x1.3	150	≤82	≥0.9	7440	5000	120	50000	CW	IP65
2531605009	AC220V	AC220~240V	56x1.3	150	≤82	≥0.9	7440	6400	120	50000	CW	IP65
HQLF90/220/LD02A-2 90W												
2531667026	AC220V	AC220~240V	56x1.5	250	≤92	≥0.9	7180	3000	120	50000	WW	IP65
2531667027	AC220V	AC220~240V	56x1.5	250	≤92	≥0.9	7650	4000	120	50000	NW	IP65
2531667022	AC220V	AC220~240V	56x1.5	250	≤92	≥0.9	8180	5000	120	50000	CW	IP65
2531667038	AC220V	AC220~240V	56x1.5	250	≤92	≥0.9	8180	6400	120	50000	CW	IP65



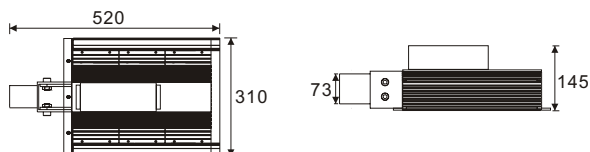
LED路灯(A系列)/LED Road Light



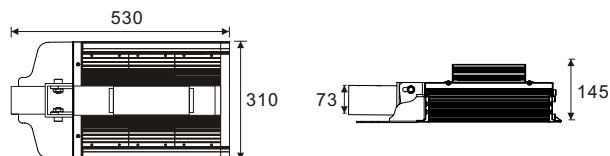
LD03A/90W LD03A-1/120W LD03A-2/135W

产品尺寸/size

A型尺寸



B型尺寸



90W LED路灯
90W LED road light



250W 高压钠灯路灯
250 HPS road light

外形可选 (A型/B型)

节能计算/Energy conservation

- 90W LED路灯取代250W高压钠灯,每只灯能节省160W功率。
- 每天工作24小时, 每年工作365天, 每年工作8760小时。
- 每年可以节约1402度电。
- 可以减少替换次数5次。
- 90W LED road light replaces 250W high pressure sodium lamp, each saves 160W energy.
- Work 24 hours every day, 365 days every year and 8760 hours every year.
- Saves 1402 kWh electricity every year.
- Reduces 5 times for replacement

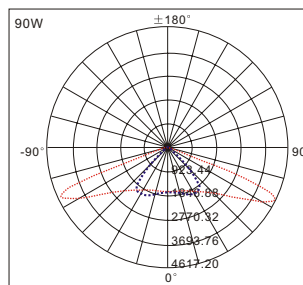
功率对比/Power comparison

90W = 250W

寿命对比/Life comparison

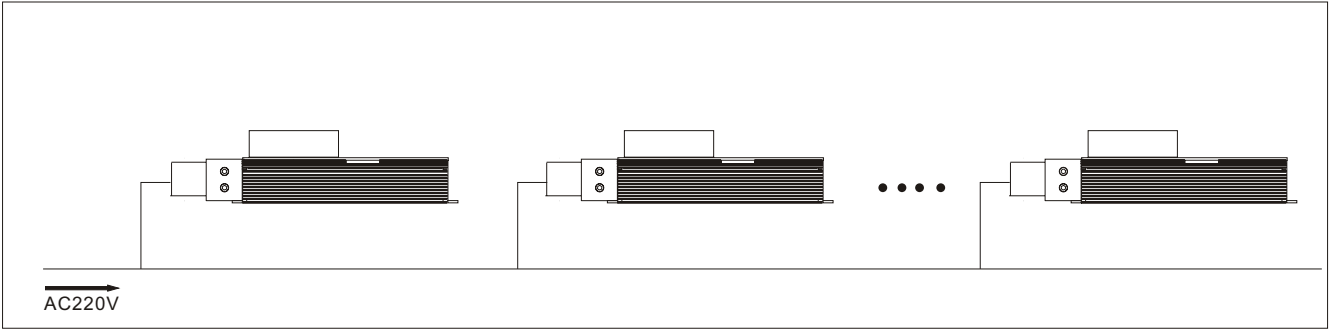
1 × 50000hrs = 5 × Standard

配光曲线/Light distribution curve



LED路灯(A系列)/LED Road Light

接线图/wiring diagram



订货指南/Order Guide

ERP	V	V	W	替换 高压钠灯 功率(W) Replaces Watts	W	PF	LM	K		h		IP
产品ERP编码 Product Code	额定电压 Rated Voltage	最大工作电压范围 Max. Operation voltage range	功率 Power		线路功率 Circuit Power	功率因数 Power Factor	光通量 Flux	色温 CCT	发光角度 Beam Angle	设计寿命 Life	颜色 Color	IP等级 IP Rating
HQLF90/220/LD03A 90W												
2531667031	AC220V	AC220~240V	84x1	250	≤100	≥0.9	8190	3000	120	50000	WW	IP65
2531667032	AC220V	AC220~240V	84x1	250	≤100	≥0.9	8730	4000	120	50000	NW	IP65
2531667021	AC220V	AC220~240V	84x1	250	≤100	≥0.9	9345	5000	120	50000	CW	IP65
2531667040	AC220V	AC220~240V	84x1	250	≤100	≥0.9	9345	6400	120	50000	CW	IP65
HQLF120/220/LD03A-1 120W												
2531671033	AC220V	AC220~240V	84x1.3	400	≤123	≥0.9	9795	3000	120	50000	WW	IP65
2531671034	AC220V	AC220~240V	84x1.3	400	≤123	≥0.9	10440	4000	120	50000	NW	IP65
2531671029	AC220V	AC220~240V	84x1.3	400	≤123	≥0.9	11160	5000	120	50000	CW	IP65
2531671047	AC220V	AC220~240V	84x1.3	400	≤123	≥0.9	11160	6400	120	50000	CW	IP65
HQLF135/220/LD03A-2 135W												
2531684005	AC220V	AC220~240V	84x1.5	400	≤138	≥0.9	10770	3000	120	50000	WW	IP65
2531684006	AC220V	AC220~240V	84x1.5	400	≤138	≥0.9	11475	4000	120	50000	NW	IP65
2531684001	AC220V	AC220~240V	84x1.5	400	≤138	≥0.9	12270	5000	120	50000	CW	IP65
2531684008	AC220V	AC220~240V	84x1.5	400	≤138	≥0.9	12270	6400	120	50000	CW	IP65



LED路灯(A系列)/LED Road Light



A型

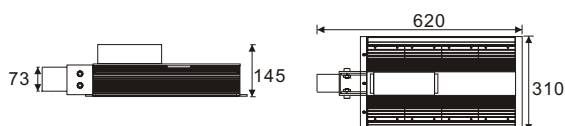


B型

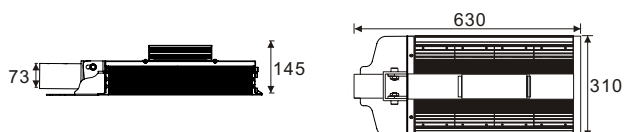
LD04A/120W LD04A-1/160W LD04A-2/180W

产品尺寸/size

A型尺寸



B型尺寸



120W LED路灯
120W LED road light



400W高压钠灯路灯
400 HPS road light

外形可选 (A型/B型)

节能计算/Energy conservation

- 120W LED路灯取代400W高压钠灯,每只灯能节省280W功率。
- 每天工作24小时, 每年工作365天, 每年工作8760小时。
- 每年可以节约2453度电。
- 可以减少替换次数5次。
- 120W LED road light replaces 400W high pressure sodium lamp, each saves 280W energy.
- Work 24 hours every day, 365 days every year and 8760 hours every year.
- Saves 2453 kWh electricity every year.
- Reduces 5 times for replacement

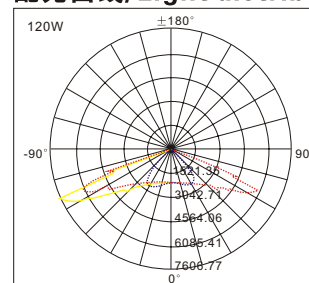
功率对比/Power comparison

120W = 400W

寿命对比/Life comparison

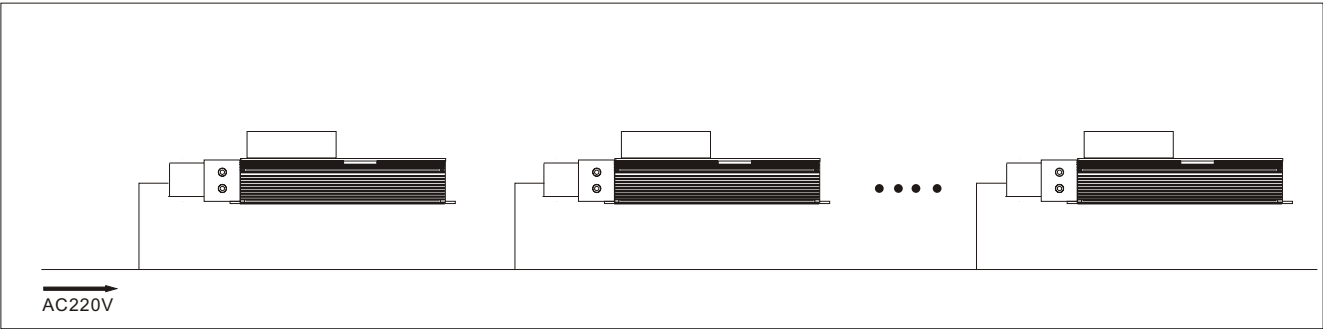
1 x 50000hrs = 5 x Standard

配光曲线/Light distribution curve



LED路灯(A系列)/LED Road Light

接线图/wiring diagram

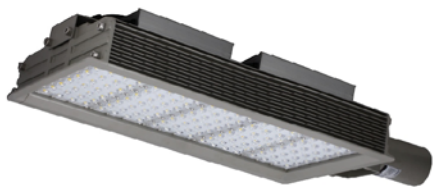


订货指南/Order Guide

ERP	V	V	W	替换 高压钠灯 功率(W) Replaces Watts	W	PF	LM	K		h		IP
产品ERP编码 Product Code	额定电压 Rated Voltage	最大工作电压范围 Max. Operation voltage range	功率 Power		线路功率 Circuit Power	功率因数 Power Factor	光通量 Flux	色温 CCT	发光角度 Beam Angle	设计寿命 Life	颜色 Color	IP等级 IP Rating
HQLF120/220/LD04A 120W												
2531671038	AC220V	AC220~240V	112x1	400	≤128	≥0.9	10920	3000	120	50000	WW	IP65
2531671039	AC220V	AC220~240V	112x1	400	≤128	≥0.9	11640	4000	120	50000	NW	IP65
2531671028	AC220V	AC220~240V	112x1	400	≤128	≥0.9	12460	5000	120	50000	CW	IP65
2531671049	AC220V	AC220~240V	112x1	400	≤128	≥0.9	12460	6400	120	50000	CW	IP65
HQLF160/220/LD04A-1 160W												
2531685005	AC220V	AC220~240V	112x1.3	400	≤158	≥0.9	13060	3000	120	50000	WW	IP65
2531685006	AC220V	AC220~240V	112x1.3	400	≤158	≥0.9	13920	4000	120	50000	NW	IP65
2531685001	AC220V	AC220~240V	112x1.3	400	≤158	≥0.9	14880	5000	120	50000	CW	IP65
2531685008	AC220V	AC220~240V	112x1.3	400	≤158	≥0.9	14880	6400	120	50000	CW	IP65
HQLF180/220/LD04A-2 180W												
2531682007	AC220V	AC220~240V	112x1.5	600	≤184	≥0.9	14360	3000	120	50000	WW	IP65
2531682008	AC220V	AC220~240V	112x1.5	600	≤184	≥0.9	15300	4000	120	50000	NW	IP65
2531682003	AC220V	AC220~240V	112x1.5	600	≤184	≥0.9	16360	5000	120	50000	CW	IP65
2531682012	AC220V	AC220~240V	112x1.5	600	≤184	≥0.9	16360	6400	120	50000	CW	IP65

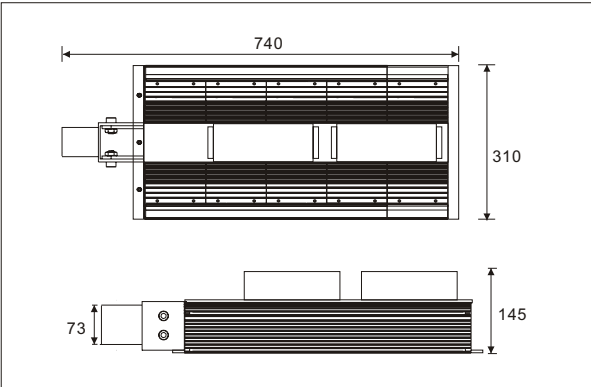


LED路灯(A系列)/LED Road Light

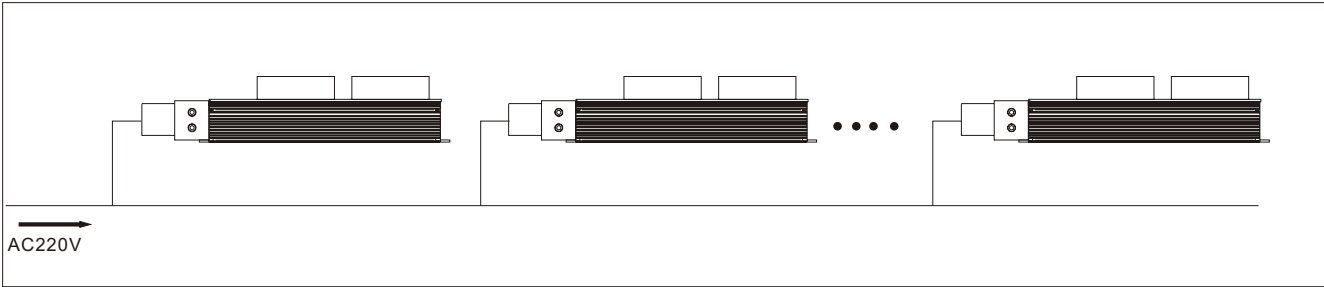


LD05A/150W LD05A-1/200W LD05A-2/225W

产品尺寸/size



接线图/wiring diagram



订货指南/Order Guide

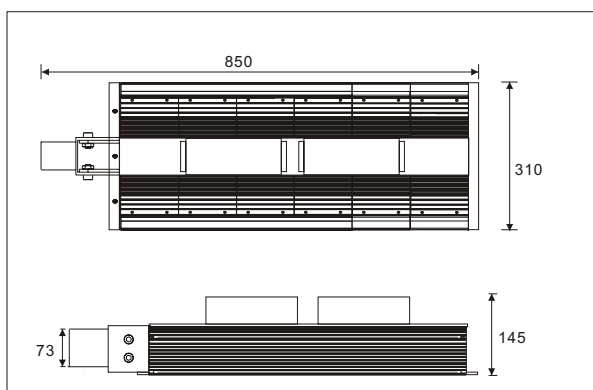
ERP	V	V	W	W	PF	LM	K		h		IP
产品ERP编码 Product Code	额定电压 Rated Voltage	最大工作电压范围 Max Operation voltage range	功率 Power	线路功率 Circuit Power	功率因数 Power Factor	光通量 Flux	色温 CCT	发光角度 Beam Angle	设计寿命 Life	颜色 Color	IP等级 IP Rating
HQLF150/220/LD05A 150W											
2531609004	AC220V	AC220~240V	140x1	≤160	≥0.9	13650	3000	120	50000	WW	IP65
2531609005	AC220V	AC220~240V	140x1	≤160	≥0.9	14550	4000	120	50000	NW	IP65
2531609003	AC220V	AC220~240V	140x1	≤160	≥0.9	15575	5000	120	50000	CW	IP65
2531609006	AC220V	AC220~240V	140x1	≤160	≥0.9	15575	6400	120	50000	CW	IP65
HQLF200/220/LD05A-1 200W											
2531611002	AC220V	AC220~240V	140x1.3	≤207	≥0.9	16325	3000	120	50000	WW	IP65
2531611003	AC220V	AC220~240V	140x1.3	≤207	≥0.9	17400	4000	120	50000	NW	IP65
2531611001	AC220V	AC220~240V	140x1.3	≤207	≥0.9	18600	5000	120	50000	CW	IP65
2531611004	AC220V	AC220~240V	140x1.3	≤207	≥0.9	18600	6400	120	50000	CW	IP65
HQLF225/220/LD05A-2 225W											
2531686002	AC220V	AC220~240V	140x1.5	≤238	≥0.9	17950	3000	120	50000	WW	IP65
2531686003	AC220V	AC220~240V	140x1.5	≤238	≥0.9	19125	4000	120	50000	NW	IP65
2531686001	AC220V	AC220~240V	140x1.5	≤238	≥0.9	20450	5000	120	50000	CW	IP65
2531686004	AC220V	AC220~240V	140x1.5	≤238	≥0.9	20450	6400	120	50000	CW	IP65

LED路灯(A系列)/LED Road Light

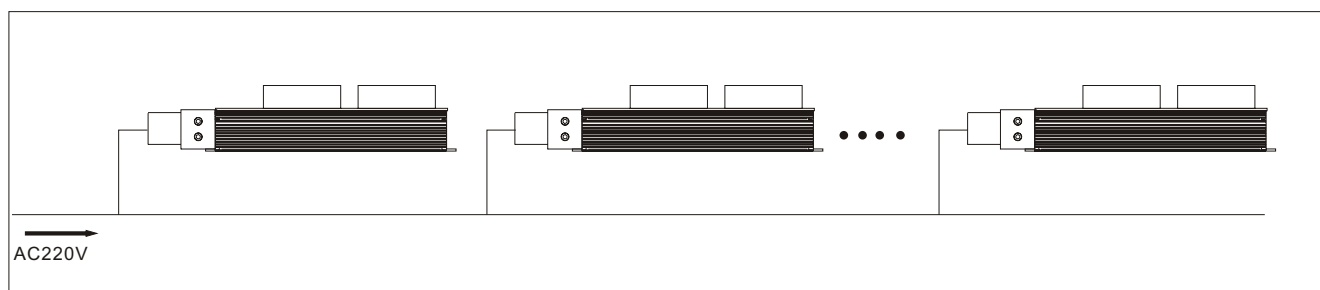


LD06A/180W LD06A-1/240W LD06A-2/270W

产品尺寸/size



接线图/wiring diagram



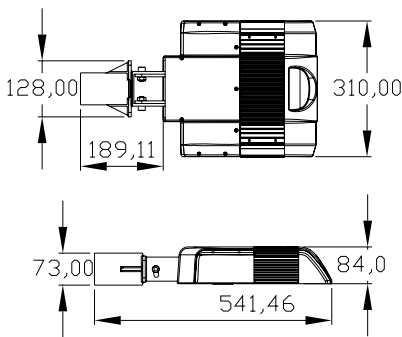
订货指南/Order Guide

 产品ERP编码 Product Code	 额定电压 Rated Voltage	 最大工作电压范围 Max. Operation voltage range	 功率 Power	 线路功率 Circuit Power	 功率因数 Power Factor	 光通量 Flux	 色温 CCT	 发光角度 Beam Angle	 设计寿命 Life	 颜色 Color	 IP等级 IP Rating
HQLF180/220/LD06A 180W											
2531682009	AC220V	AC220~240V	168x1	≤186	≥0.9	16380	3000	120	50000	WW	IP65
2531682010	AC220V	AC220~240V	168x1	≤186	≥0.9	17460	4000	120	50000	NW	IP65
2531682002	AC220V	AC220~240V	168x1	≤186	≥0.9	18690	5000	120	50000	CW	IP65
2531682013	AC220V	AC220~240V	168x1	≤186	≥0.9	18690	6400	120	50000	CW	IP65
HQLF240/220/LD06A-1 240W											
2531687002	AC220V	AC220~240V	168x1.3	≤242	≥0.9	19590	3000	120	50000	WW	IP65
2531687003	AC220V	AC220~240V	168x1.3	≤242	≥0.9	20880	4000	120	50000	NW	IP65
2531687001	AC220V	AC220~240V	168x1.3	≤242	≥0.9	22320	5000	120	50000	CW	IP65
2531687004	AC220V	AC220~240V	168x1.3	≤242	≥0.9	22320	6400	120	50000	CW	IP65
HQLF270/220/LD06A-2 270W											
2531688002	AC220V	AC220~240V	168x1.5	≤274	≥0.9	21540	3000	120	50000	WW	IP65
2531688003	AC220V	AC220~240V	168x1.5	≤274	≥0.9	22950	4000	120	50000	NW	IP65
2531688001	AC220V	AC220~240V	168x1.5	≤274	≥0.9	24540	5000	120	50000	CW	IP65
2531688004	AC220V	AC220~240V	168x1.5	≤274	≥0.9	24540	6400	120	50000	CW	IP65

LED路灯/LED Road Light

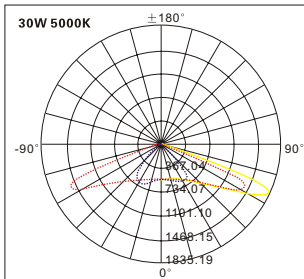


产品尺寸/size



配光曲线

Light distribution curve



订货指南/Order Guide

ERP	V	W	替换 高压钠灯 功率(W) Replaces Watts	W	PF	LM	K	发光角度 Beam Angle	h	颜色 Color	IP
产品ERP编码 Product Code	输入电压 Supply Voltage	功率 Power		线路功率 Circuit Power	功率因数 Power Factor	光通量 Flux	色温 CCT		设计寿命 Life		IP等级 IP Rating

HQLF30/221/LD01 30W

2531660009	AC220V~240V	28x1	70	≤33	≥0.9	2730	3000	120	50000	WW	IP65
2531660010	AC220V~240V	28x1	70	≤33	≥0.9	2910	4000	120	50000	NW	IP65
2531660011	AC220V~240V	28x1	70	≤33	≥0.9	3115	5000	120	50000	CW	IP65
2531660014	AC220V~240V	28x1	70	≤33	≥0.9	3115	6400	120	50000	CW	IP65

HQLF40/221/LD01-1 40W

2531649002	AC220V~240V	28x1.3	70	≤41	≥0.9	3265	3000	120	50000	WW	IP65
2531649003	AC220V~240V	28x1.3	70	≤41	≥0.9	3480	4000	120	50000	NW	IP65
2531649004	AC220V~240V	28x1.3	70	≤41	≥0.9	3720	5000	120	50000	CW	IP65
2531649008	AC220V~240V	28x1.3	70	≤41	≥0.9	3720	6400	120	50000	CW	IP65

HQLF45/221/LD01-2 45W

2531683002	AC220V~240V	28x1.5	70	≤46	≥0.9	3590	3000	120	50000	WW	IP65
2531683003	AC220V~240V	28x1.5	70	≤46	≥0.9	3825	4000	120	50000	NW	IP65
2531683004	AC220V~240V	28x1.5	70	≤46	≥0.9	4090	5000	120	50000	CW	IP65
2531683007	AC220V~240V	28x1.5	70	≤46	≥0.9	4090	6400	120	50000	CW	IP65

30W LED路灯 30W LED road light



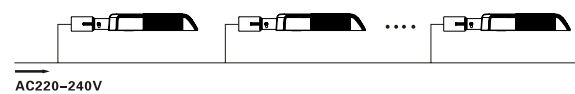
70W高压钠灯路灯 70 HPS road light

节能计算/Energy conservation

- 30W LED路灯取代70W高压钠灯,每只灯能节省40W功率。
- 每天工作24小时, 每年工作365天, 每年工作8760小时。
- 每年可以节约350度电。
- 可以减少替换次数5次。
- 30W LED road light replaces 70W high pressure sodium lamp, each saves 40W energy.
- Work 24 hours every day, 365 days every year and 8760 hours very year.
- Saves 350kWh electricity every year.
- Reduces 5 times for replacement

功率对比/Power comparison	寿命对比/Life comparison
30W LED = 70W HPS	1 x 50000hrs = 5 x Standard

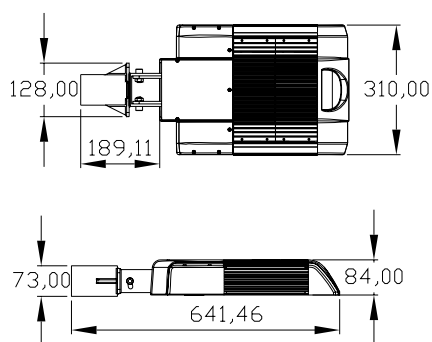
接线图/wiring diagram



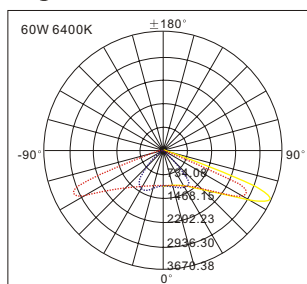
LED路灯/LED Road Light



产品尺寸/size



配光曲线
Light distribution curve



订货指南/Order Guide

 产品ERP编码 Product Code	 输入电压 Supply Voltage	 功率 Power	 替换 高压钠灯 功率(W) Replaces Watts	 线路功率 Circuit Power	 功率因数 Power Factor	 光通量 Flux	 色温 CCT	 发光角度 Beam Angle	 设计寿命 Life	 颜色 Color	 IP等级 IP Rating
HQLF60/221/LD02 60W											
2531670021	AC220V~240V	56x1	150	≤66	≥0.9	5460	3000	120	50000	WW	IP65
2531670022	AC220V~240V	56x1	150	≤66	≥0.9	5820	4000	120	50000	NW	IP65
2531670023	AC220V~240V	56x1	150	≤66	≥0.9	6230	5000	120	50000	CW	IP65
2531670029	AC220V~240V	56x1	150	≤66	≥0.9	6230	6400	120	50000	CW	IP65
HQLF80/221/LD02-1 80W											
2531605003	AC220V~240V	56x1.3	150	≤82	≥0.9	6530	3000	120	50000	WW	IP65
2531605004	AC220V~240V	56x1.3	150	≤82	≥0.9	6960	4000	120	50000	NW	IP65
2531605005	AC220V~240V	56x1.3	150	≤82	≥0.9	7440	5000	120	50000	CW	IP65
2531605008	AC220V~240V	56x1.3	150	≤82	≥0.9	7440	6400	120	50000	CW	IP65
HQLF90/221/LD02-2 90W											
2531667023	AC220V~240V	56x1.5	250	≤92	≥0.9	7180	3000	120	50000	WW	IP65
2531667024	AC220V~240V	56x1.5	250	≤92	≥0.9	7650	4000	120	50000	NW	IP65
2531667025	AC220V~240V	56x1.5	250	≤92	≥0.9	8180	5000	120	50000	CW	IP65
2531667037	AC220V~240V	56x1.5	250	≤92	≥0.9	8180	6400	120	50000	CW	IP65

60WLED路灯

60W LED road light



150W高压钠灯路灯

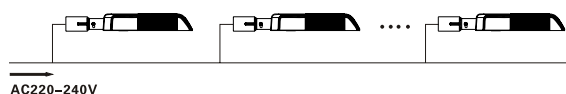
150 HPS road light

节能计算/Energy conservation

- 60W LED路灯取代150W高压钠灯,每只灯能节省90W功率。
 - 每天工作24小时, 每年工作365天, 每年工作8760小时。
 - 每年可以节约788度电。
 - 可以减少替换次数5次。
-
- 60W LED road light replaces 150W high pressure sodium lamp, each saves 90W energy.
 - Work 24 hours every day, 365 days every year and 8760 hours every year.
 - Saves 788 kWh electricity every year.
 - Reduces 5 times for replacement

功率对比/Power comparison 60W  = 150W 	寿命对比/Life comparison 1 x  = 5 x  50000hrs Standard
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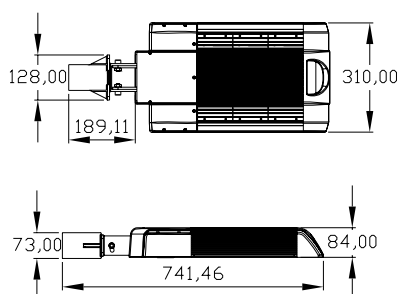
接线图/wiring diagram



LED路灯/LED Road Light

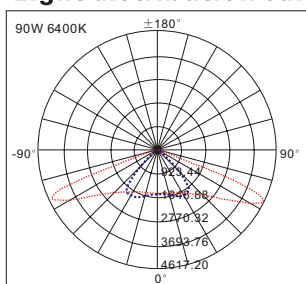


产品尺寸/size



配光曲线

Light distribution curve



订货指南/Order Guide

90WLED路灯

90W LED road light



250W高压钠灯路灯

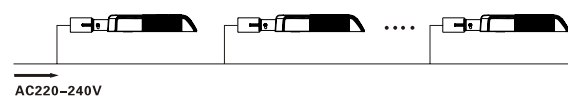
250 HPS road light

节能计算/Energy conservation

- 90W LED路灯取代250W高压钠灯,每只灯能节省160W功率。
 - 每天工作24小时, 每年工作365天, 每年工作8760小时。
 - 每年可以节约1402度电。
 - 可以减少替换次数5次。
-
- 90W LED road light replaces 250W high pressure sodium lamp, each saves 160W energy.
 - Work 24 hours every day, 365 days every year and 8760 hours every year.
 - Saves 1402 kWh electricity every year.
 - Reduces 5 times for replacement

功率对比/Power comparison 90W  = 250W 	寿命对比/Life comparison 1 x  = 5 x  50000hrs Standard
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接线图/wiring diagram



 产品ERP编码 Product Code	 输入电压 Supply Voltage	 功率 Power	 替换 高压钠灯 功率(W) Replaces Watts	 线路功率 Circuit Power	 功率因数 Power Factor	 光通量 Flux	 色温 CCT	 发光角度 Beam Angle	 设计寿命 Life	 颜色 Color	 IP等级 IP Rating
HQLF90/221/LD03 90W											
2531667028	AC220V~240V	84x1	250	≤100	≥0.9	8190	3000	120	50000	WW	IP65
2531667029	AC220V~240V	84x1	250	≤100	≥0.9	8730	4000	120	50000	NW	IP65
2531667030	AC220V~240V	84x1	250	≤100	≥0.9	9345	5000	120	50000	CW	IP65
2531667039	AC220V~240V	84x1	250	≤100	≥0.9	9345	6400	120	50000	CW	IP65
HQLF120/221/LD03-1 120W											
2531671030	AC220V~240V	84x1.3	400	≤123	≥0.9	9795	3000	120	50000	WW	IP65
2531671031	AC220V~240V	84x1.3	400	≤123	≥0.9	10440	4000	120	50000	NW	IP65
2531671032	AC220V~240V	84x1.3	400	≤123	≥0.9	11160	5000	120	50000	CW	IP65
2531671046	AC220V~240V	84x1.3	400	≤123	≥0.9	11160	6400	120	50000	CW	IP65
HQLF135/221/LD03-2 135W											
2531684002	AC220V~240V	84x1.5	400	≤138	≥0.9	10770	3000	120	50000	WW	IP65
2531684003	AC220V~240V	84x1.5	400	≤138	≥0.9	11475	4000	120	50000	NW	IP65
2531684004	AC220V~240V	84x1.5	400	≤138	≥0.9	12270	5000	120	50000	CW	IP65
2531684007	AC220V~240V	84x1.5	400	≤138	≥0.9	12270	6400	120	50000	CW	IP65

LED路灯/LED Road Light

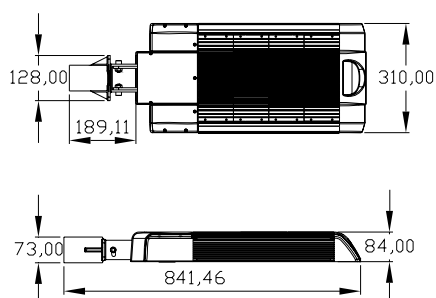


120W LED路灯
120W LED road light

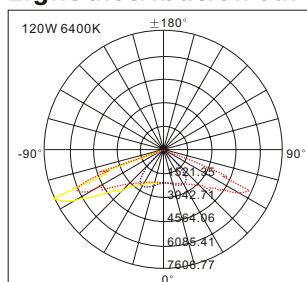


400W 高压钠灯路灯
400 HPS road light

产品尺寸/size



配光曲线 Light distribution curve

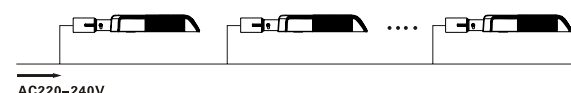


节能计算/Energy conservation

- 120W LED路灯取代400W高压钠灯,每只灯能节省280W功率。
- 每天工作24小时, 每年工作365天, 每年工作8760小时。
- 每年可以节约2453度电。
- 可以减少替换次数5次。
- 120W LED road light replaces 400W high pressure sodium lamp, each saves 280W energy.
- Work 24 hours every day, 365 days every year and 8760 hours every year.
- Saves 2453 kWh electricity every year.
- Reduces 5 times for replacement

功率对比/Power comparison	寿命对比/Life comparison
120W = 150W	1 × 50000hrs = 5 × Standard

接线图/wiring diagram



订货指南/Order Guide

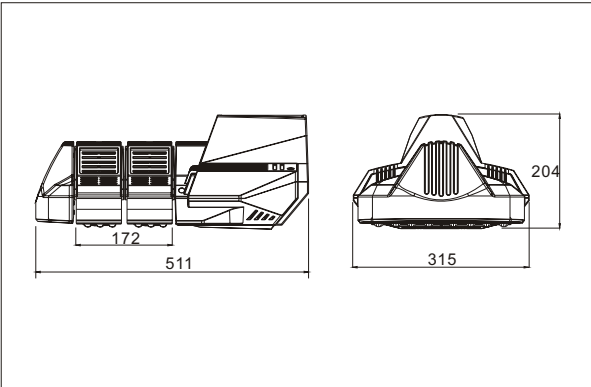
ERP 产品ERP编码 Product Code	V 输入电压 Supply Voltage	W 功率 Power	替换 高压钠灯 功率(W) Replaces Watts	W 线路功率 Circuit Power	PF 功率因数 Power Factor	LM 光通量 Flux	K 色温 CCT	发光角度 Beam Angle	h 设计寿命 Life	颜色 Color	IP IP等级 IP Rating
HQLF120/221/LD04 120W											
2531671035	AC220V~240V	112x1	400	≤128	≥0.9	10920	3000	120	50000	WW	IP65
2531671036	AC220V~240V	112x1	400	≤128	≥0.9	11640	4000	120	50000	NW	IP65
2531671037	AC220V~240V	112x1	400	≤128	≥0.9	12460	5000	120	50000	CW	IP65
2531671048	AC220V~240V	112x1	400	≤128	≥0.9	12460	6400	120	50000	CW	IP65
HQLF160/221/LD04-1 160W											
2531685002	AC220V~240V	112x1.3	400	≤158	≥0.9	13060	3000	120	50000	WW	IP65
2531685003	AC220V~240V	112x1.3	400	≤158	≥0.9	13920	4000	120	50000	NW	IP65
2531685004	AC220V~240V	112x1.3	400	≤158	≥0.9	14880	5000	120	50000	CW	IP65
2531685007	AC220V~240V	112x1.3	400	≤158	≥0.9	14880	6400	120	50000	CW	IP65
HQLF180/221/LD04-2 180W											
2531682004	AC220V~240V	112x1.5	600	≤184	≥0.9	14360	3000	120	50000	WW	IP65
2531682005	AC220V~240V	112x1.5	600	≤184	≥0.9	15300	4000	120	50000	NW	IP65
2531682006	AC220V~240V	112x1.5	600	≤184	≥0.9	16360	5000	120	50000	CW	IP65
2531682011	AC220V~240V	112x1.5	600	≤184	≥0.9	16360	6400	120	50000	CW	IP65

LED路灯/LED Road Light

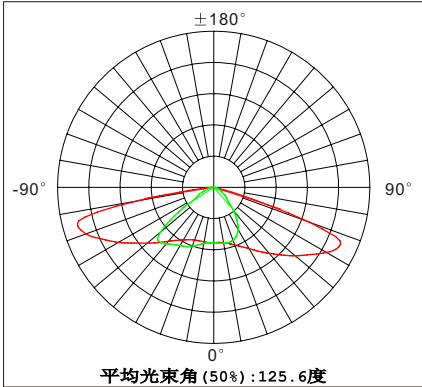


LD02C/60W

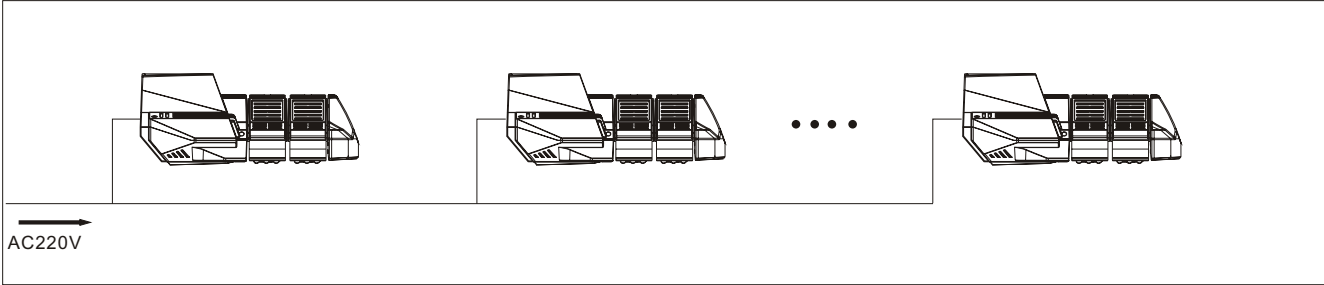
产品尺寸/size



配光曲线/Light distribution curve



接线图/wiring diagram



订货指南/Order Guide

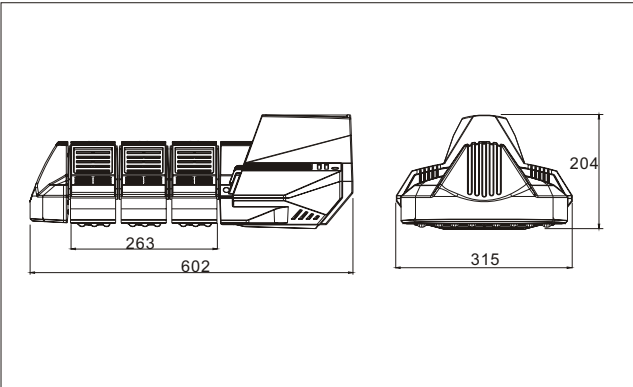
 产品ERP编码 Product Code	 额定电压 Rated Voltage	 最大工作电压范围 Max.Operation voltage range	 功率 Power	 线路功率 Circuit Power	 功率因数 Power Factor	 光通量 Flux	 色温 CCT	 发光角度 Beam Angle	 设计寿命 Life	 颜色 Color	 IP等级 IP Rating
HQLF60/220/LD02C 60W											
---	AC220V	AC100~240V	60	≤68	≥0.9	5400	3000	120	50000	WW	IP65
---	AC220V	AC100~240V	60	≤68	≥0.9	5800	4000	120	50000	NW	IP65
---	AC220V	AC100~240V	60	≤68	≥0.9	6200	5000	120	50000	CW	IP65
---	AC220V	AC100~240V	60	≤68	≥0.9	6200	6400	120	50000	CW	IP65

LED路灯/LED Road Light

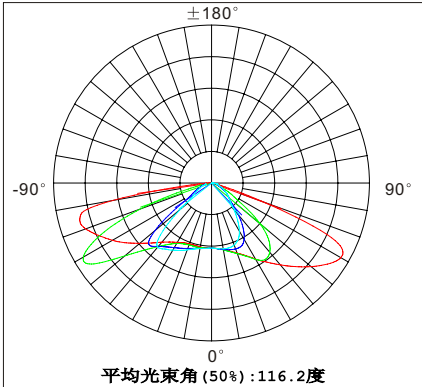


LD03C/90W

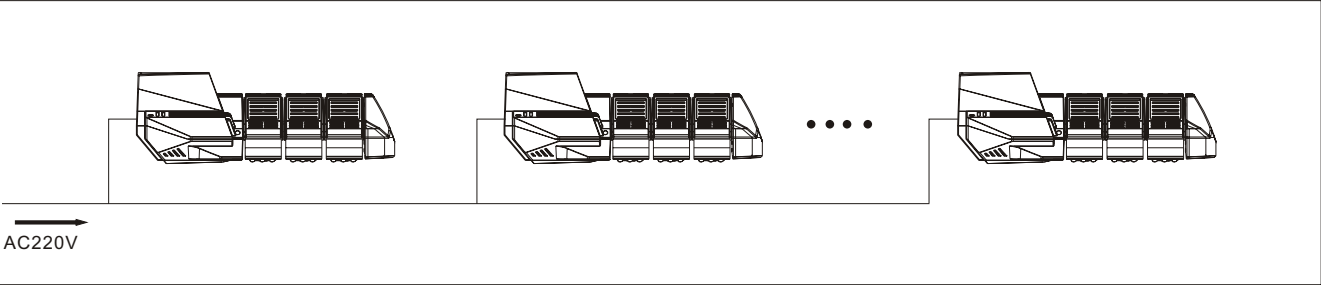
产品尺寸/size



配光曲线/Light distribution curve



接线图/wiring diagram



订货指南/Order Guide

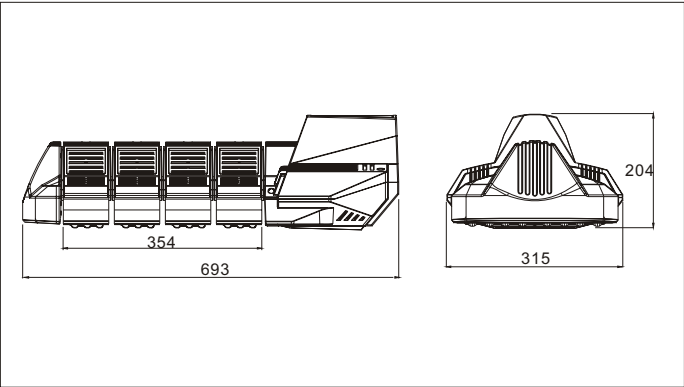
ERP 产品ERP编码 Product Code	V 额定电压 Rated Voltage	V 最大工作电压范围 Max. Operation voltage range	W 功率 Power	W 线路功率 Circuit Power	PF 功率因数 Power Factor	LM 光通量 Flux	K 色温 CCT	发光角度 Beam Angle	h 设计寿命 Life	颜色 Color	IP IP等级 IP Rating
HQLF90/220/LD03C	90W										
---	AC220V	AC100~240V	90	≤102	≥0.9	8100	3000	120	50000	WW	IP65
---	AC220V	AC100~240V	90	≤102	≥0.9	8700	4000	120	50000	NW	IP65
---	AC220V	AC100~240V	90	≤102	≥0.9	9300	5000	120	50000	CW	IP65
---	AC220V	AC100~240V	90	≤102	≥0.9	9300	6400	120	50000	CW	IP65

LED路灯(C系列)/LED Road Light

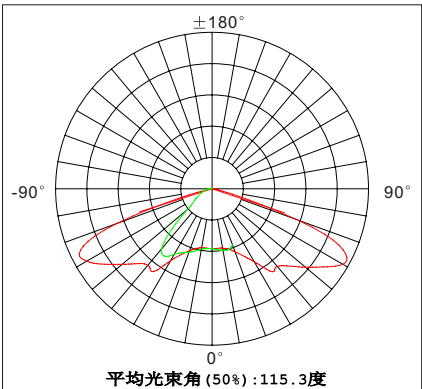


LD04C/120W

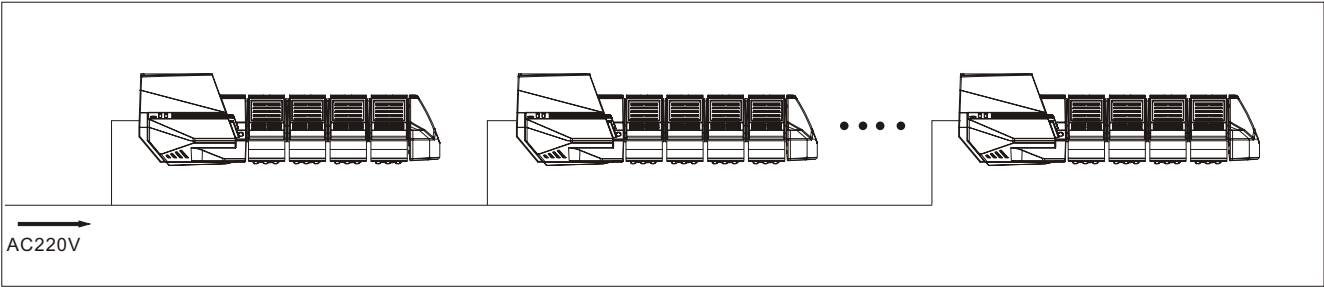
产品尺寸/size



配光曲线/Light distribution curve



接线图/wiring diagram



订货指南/Order Guide

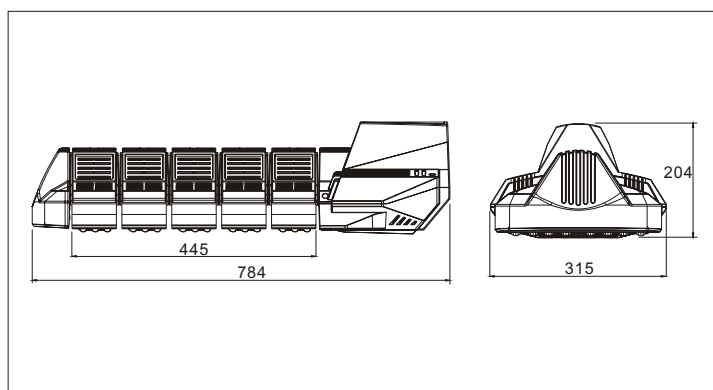
 产品ERP编码 Product Code	 额定电压 Rated Voltage	 最大工作电压范围 Max. Operation voltage range	 功率 Power	 线路功率 Circuit Power	 功率因数 Power Factor	 光通量 Flux	 色温 CCT	 发光角度 Beam Angle	 设计寿命 Life	 颜色 Color	 IP等级 IP Rating
HQLF120/220/LD04C 120W											
---	AC220V	AC100~240V	≤120	134	≥0.9	10500	3000	120	50000	WW	IP65
---	AC220V	AC100~240V	≤120	134	≥0.9	11000	4000	120	50000	NW	IP65
---	AC220V	AC100~240V	≤120	134	≥0.9	12000	5000	120	50000	CW	IP65
---	AC220V	AC100~240V	≤120	134	≥0.9	12000	6400	120	50000	CW	IP65

LED路灯(C系列)/LED Road Light

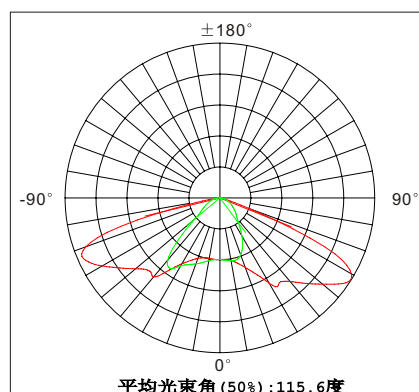


LD05C/150W

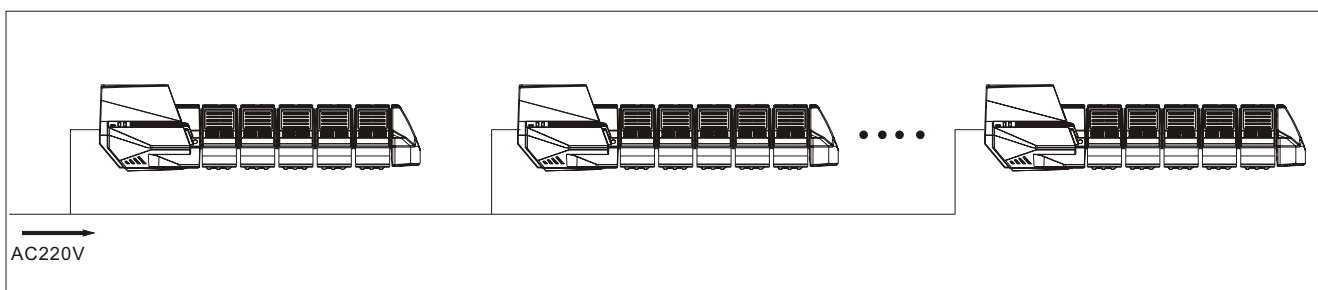
产品尺寸/size



配光曲线/Light distribution curve



接线图/wiring diagram



订货指南/Order Guide

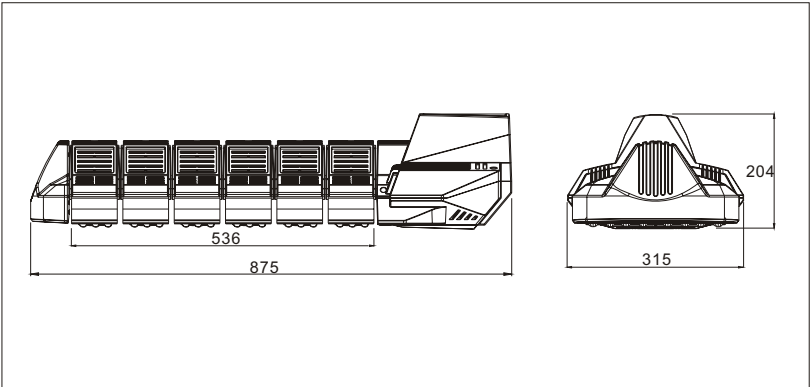
ERP 产品ERP编码 Product Code	V 额定电压 Rated Voltage	V 最大工作电压范围 Max. Operation voltage range	W 功率 Power	W 线路功率 Circuit Power	PF 功率因数 Power Factor	LM 光通量 Flux	K 色温 CCT	发光角度 Beam Angle	h 设计寿命 Life	颜色 Color	IP IP等级 IP Rating
HQLF150/220/LD05C 150W											
---	AC220V	AC100~240V	150	≤167	≥0.9	12500	3000	120	50000	WW	IP65
---	AC220V	AC100~240V	150	≤167	≥0.9	13000	4000	120	50000	NW	IP65
---	AC220V	AC100~240V	150	≤167	≥0.9	14000	5000	120	50000	CW	IP65
---	AC220V	AC100~240V	150	≤167	≥0.9	14000	6400	120	50000	CW	IP65

LED路灯(C系列)/LED Road Light

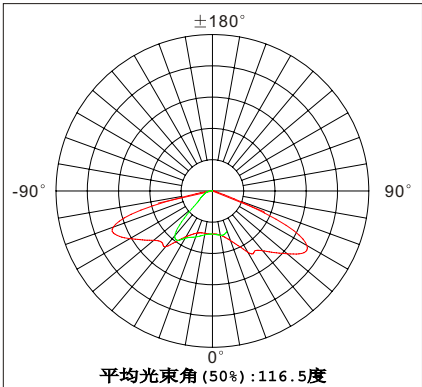


LD06C/180W

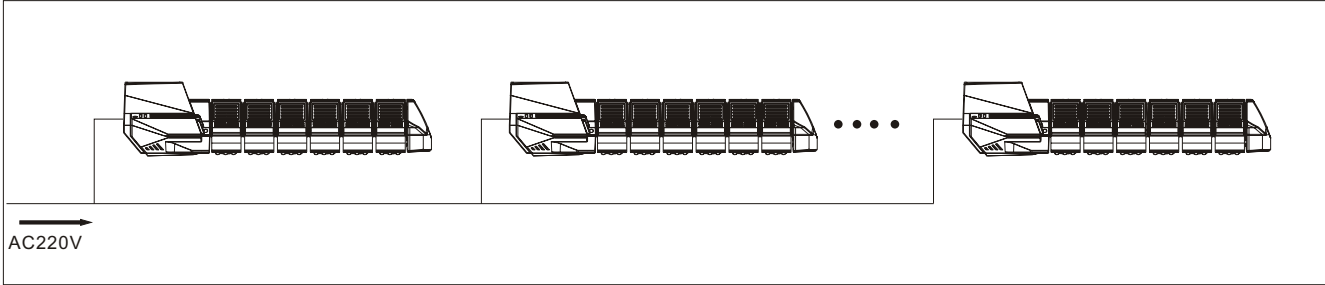
产品尺寸/size



配光曲线/Light distribution curve



接线图/wiring diagram



订货指南/Order Guide

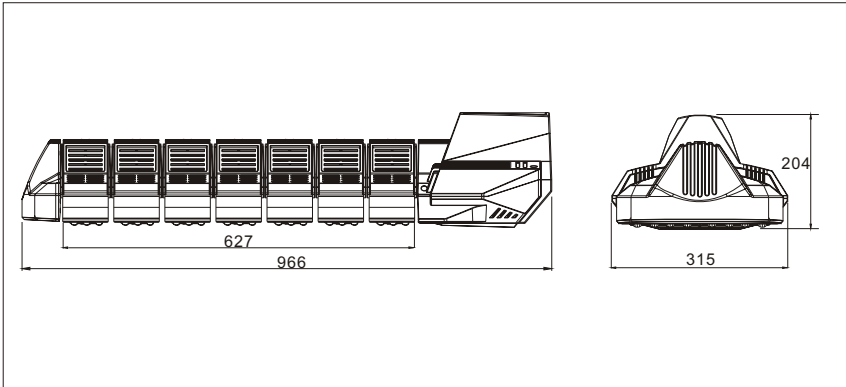
 ERP	 V	 V	 W	 W	 PF	 LM	 K		 h		 IP
产品ERP编码 Product Code	额定电压 Rated Voltage	最大工作电压范围 Max. Operation voltage range	功率 Power	线路功率 Circuit Power	功率因数 Power Factor	光通量 Flux	色温 CCT	发光角度 Beam Angle	设计寿命 Life	颜色 Color	IP等级 IP Rating
HQLF180/220/LD06C 180W											
---	AC220V	AC100~240V	180	≤200	≥0.9	14360	3000	120	50000	WW	IP65
---	AC220V	AC100~240V	180	≤200	≥0.9	15300	4000	120	50000	NW	IP65
---	AC220V	AC100~240V	180	≤200	≥0.9	16360	5000	120	50000	CW	IP65
---	AC220V	AC100~240V	180	≤200	≥0.9	16360	6400	120	50000	CW	IP65

LED路灯(C系列)/LED Road Light

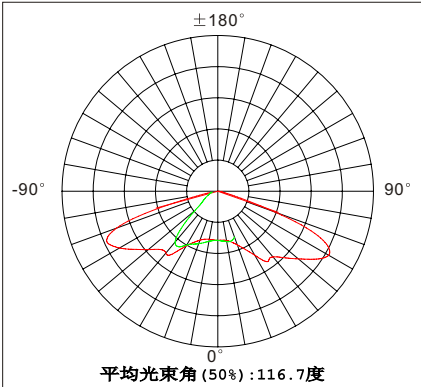


LD07C/210W

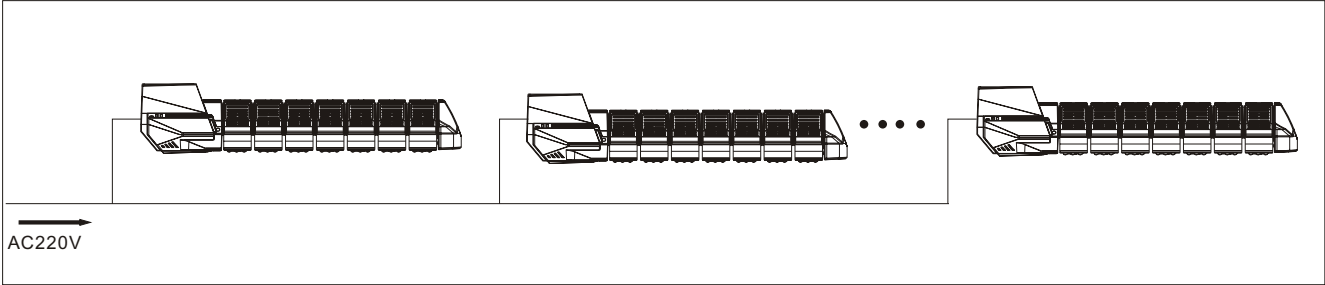
产品尺寸/size



配光曲线/Light distribution curve



接线图/wiring diagram



订货指南/Order Guide

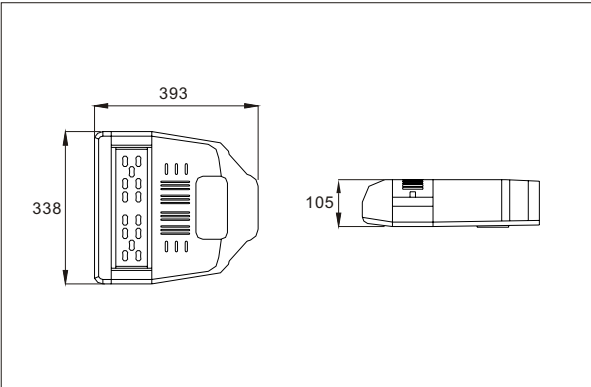
 产品ERP编码 Product Code	 额定电压 Rated Voltage	 最大工作电压范围 Max. operation voltage range	 功率 Power	 线路功率 Circuit Power	 功率因数 Power Factor	 光通量 Flux	 色温 CCT	 发光角度 Beam Angle	 设计寿命 Life	 颜色 Color	 IP等级 IP Rating
HQLF210/220/LD07C 210W											
---	AC220V	AC100~240V	210	≤234	≥0.9	16500	3000	120	50000	WW	IP65
---	AC220V	AC100~240V	210	≤234	≥0.9	17500	4000	120	50000	NW	IP65
---	AC220V	AC100~240V	210	≤234	≥0.9	19000	5000	120	50000	CW	IP65
---	AC220V	AC100~240V	210	≤234	≥0.9	19000	6400	120	50000	CW	IP65

LED路灯(D系列)/LED Road Light

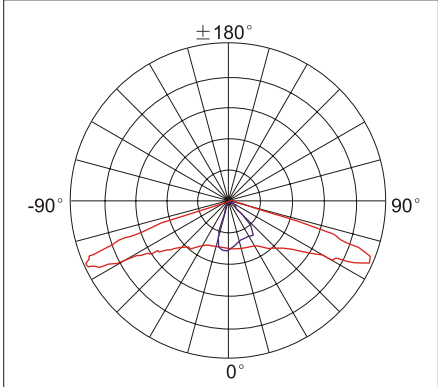


LD01D/30W

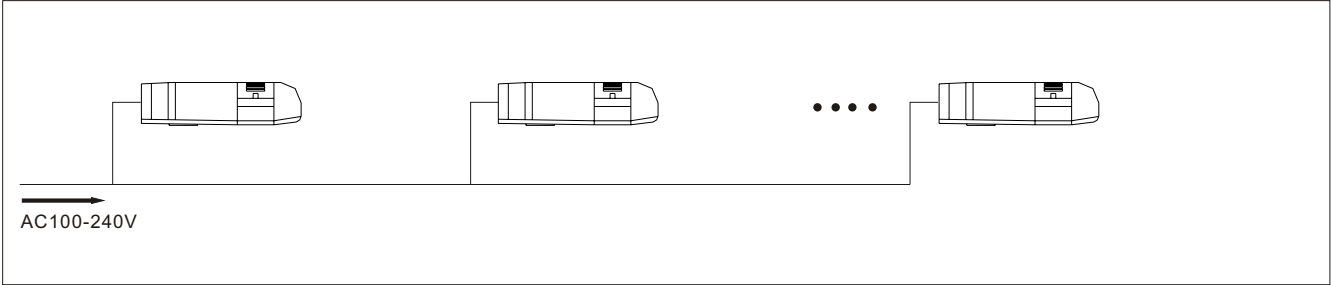
产品尺寸/size



配光曲线/Light distribution curve



接线图/wiring diagram



订货指南/Order Guide

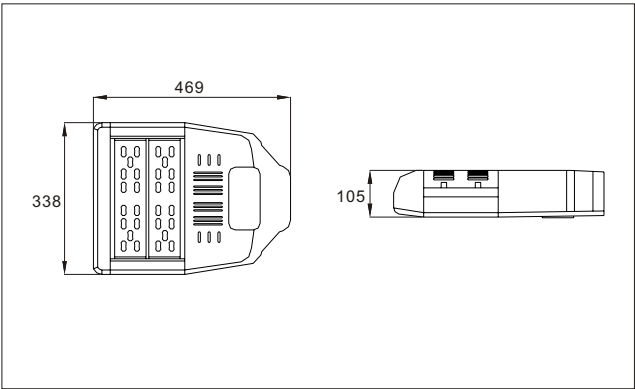
ERP	V	V	W	W	PF	LM	K		h		IP
产品ERP编码 Product Code	额定电压 Rated Voltage	最大工作电压范围 Max.Operation voltage range	功率 Power	线路功率 Circuit Power	功率因数 Power Factor	光通量 Flux	色温 CCT	发光角度 Beam Angle	设计寿命 Life	颜色 Color	IP等级 IP Rating
HQLF30/221/LD01D 30W											
---	AC220-240V	AC100~240V	14x1.9	≤30	≥0.95	1737	3000	120	50000	WW	IP65
---	AC220-240V	AC100~240V	14x1.9	≤30	≥0.95	1829	4000	120	50000	NW	IP65
---	AC220-240V	AC100~240V	14x1.9	≤30	≥0.95	1970	5000	120	50000	CW	IP65
---	AC220-240V	AC100~240V	14x1.9	≤30	≥0.95	2012	6400	120	50000	CW	IP65

LED路灯(D系列)/LED Road Light

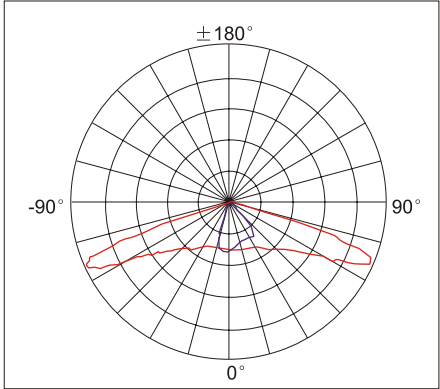


LD02D/60W

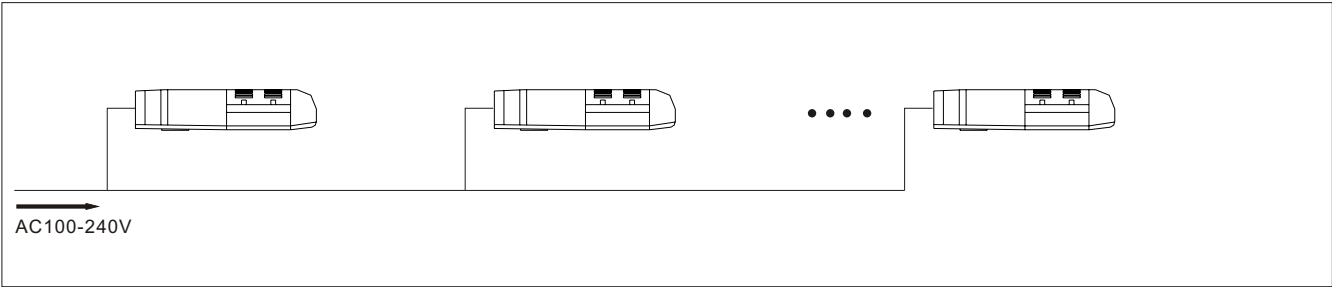
产品尺寸/size



配光曲线/Light distribution curve



接线图/wiring diagram



订货指南/Order Guide

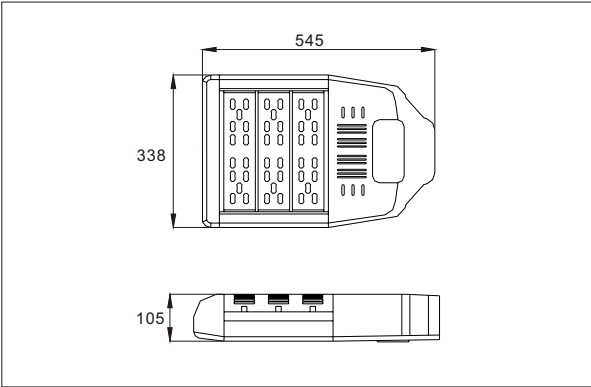
 产品ERP编码 Product Code	 额定电压 Rated Voltage	 最大工作电压范围 Max. Operation voltage range	 功率 Power	 线路功率 Circuit Power	 功率因数 Power Factor	 光通量 Flux	 色温 CCT	 发光角度 Beam Angle	 设计寿命 Life	 颜色 Color	 IP等级 IP Rating
HQLF60/221/LD02D 60W											
---	AC220-240V	AC100~240V	28x1.9	≤60	≥0.95	3475	3000	120	50000	WW	IP65
---	AC220-240V	AC100~240V	28x1.9	≤60	≥0.95	3658	4000	120	50000	NW	IP65
---	AC220-240V	AC100~240V	28x1.9	≤60	≥ 0.95	3941	5000	120	50000	CW	IP65
---	AC220-240V	AC100~240V	28x1.9	≤60	≥0.95	4024	6400	120	50000	CW	IP65

LED路灯(D系列)/LED Road Light

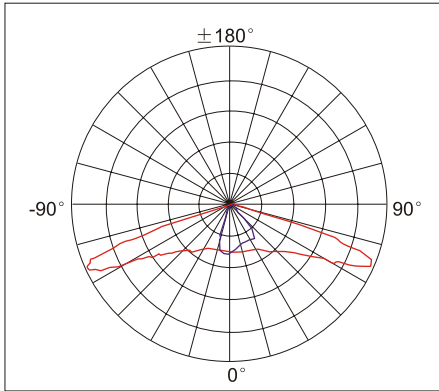


LD03D/90W

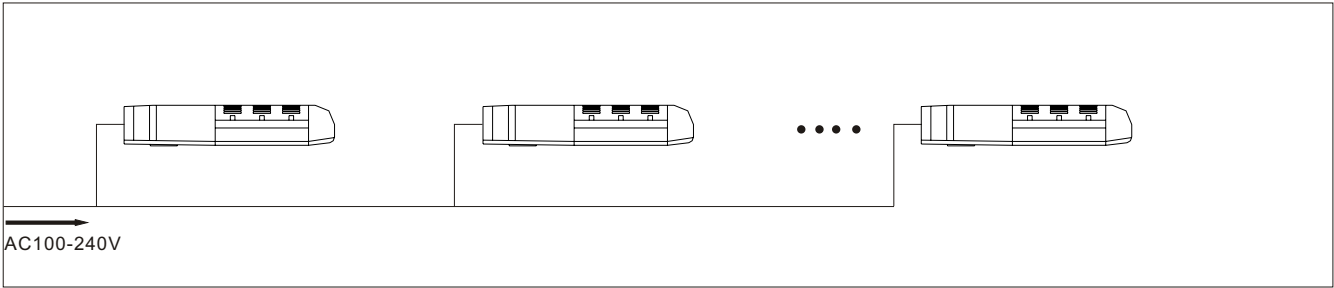
产品尺寸/size



配光曲线/Light distribution curve



接线图/wiring diagram



订货指南/Order Guide

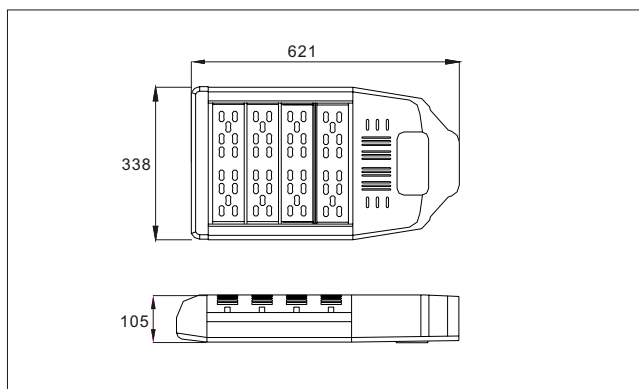
ERP	V	V	W	W	PF	LM	K		h		IP
产品ERP编码 Product Code	额定电压 Rated Voltage	最大工作电压范围 Max. Operation voltage range	功率 Power	线路功率 Circuit Power	功率因数 Power Factor	光通量 Flux	色温 CCT	发光角度 Beam Angle	设计寿命 Life	颜色 Color	IP等级 IP Rating
HQLF90/221/LD03D 90W											
---	AC220-240V	AC100~240V	42x1.9	≤90	≥0.95	5211	3000	120	50000	WW	IP65
---	AC220-240V	AC100~240V	42x1.9	≤90	≥0.95	5487	4000	120	50000	NW	IP65
---	AC220-240V	AC100~240V	42x1.9	≤90	≥0.95	5910	5000	120	50000	CW	IP65
---	AC220-240V	AC100~240V	42x1.9	≤90	≥0.95	6036	6400	120	50000	CW	IP65

LED路灯(D系列)/LED Road Light

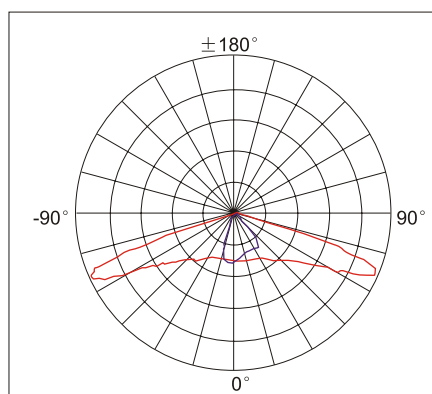


LD04D/120W

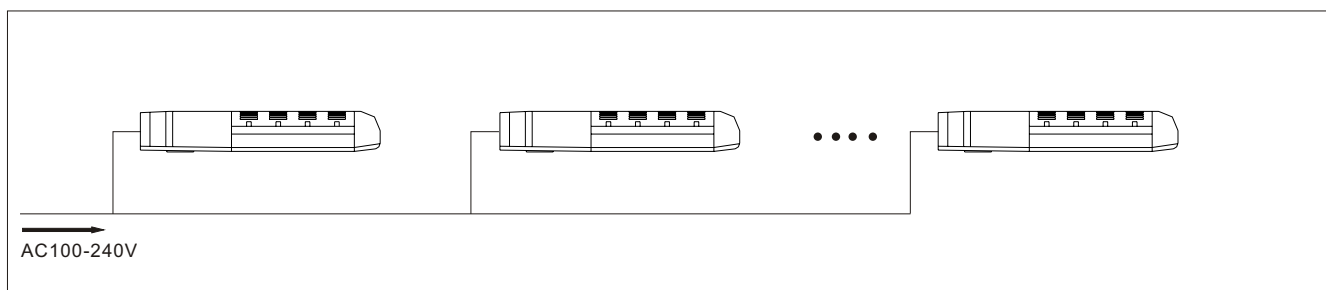
产品尺寸/size



配光曲线/Light distribution curve



接线图/wiring diagram



订货指南/Order Guide

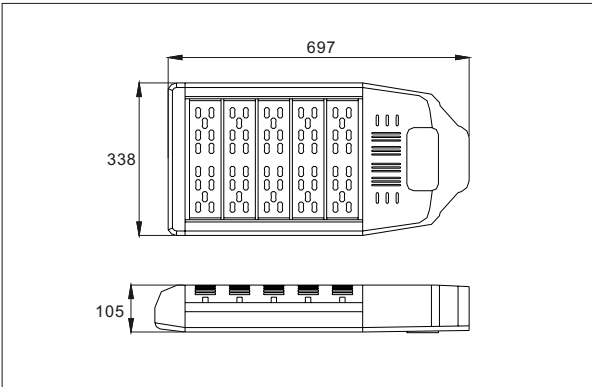
ERP	V	V	W	W	PF	LM	K		h		IP
产品ERP编码 Product Code	额定电压 Rated Voltage	最大工作电压范围 Max. Operation voltage range	功率 Power	线路功率 Circuit Power	功率因数 Power Factor	光通量 Flux	色温 CCT	发光角度 Beam Angle	设计寿命 Life	颜色 Color	IP等级 IP Rating
HQLF120/221/LD04D 120W											
---	AC220-240V	AC100~240V	56x1.9	≤120	≥0.95	6948	3000	120	50000	WW	IP65
---	AC220-240V	AC100~240V	56x1.9	≤120	≥0.95	7316	4000	120	50000	NW	IP65
---	AC220-240V	AC100~240V	56x1.9	≤120	≥0.95	7880	5000	120	50000	CW	IP65
---	AC220-240V	AC100~240V	56x1.9	≤120	≥0.95	8048	6400	120	50000	CW	IP65

LED路灯(D系列)/LED Road Light

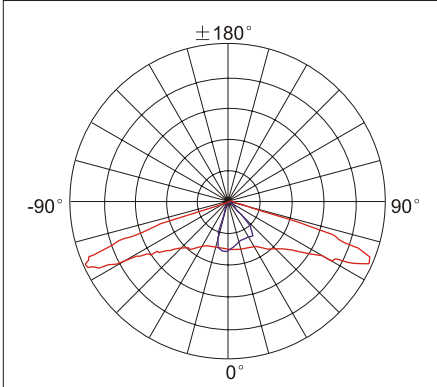


LD05D/150W

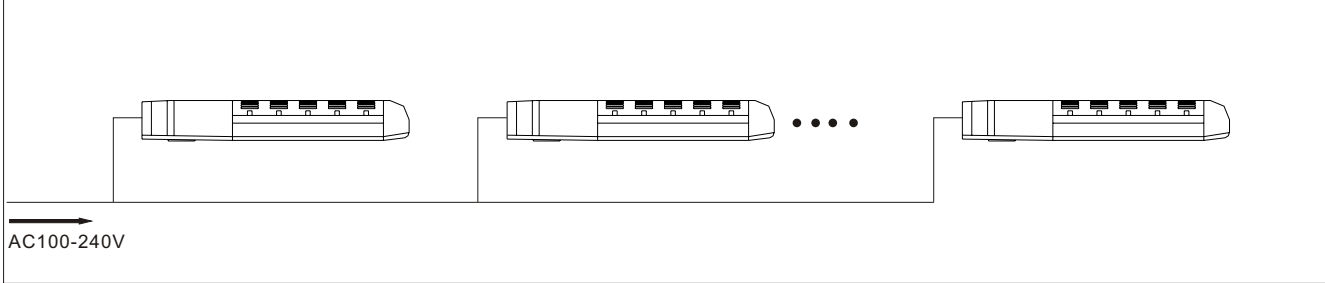
产品尺寸/size



配光曲线/Light distribution curve



接线图/wiring diagram



订货指南/Order Guide

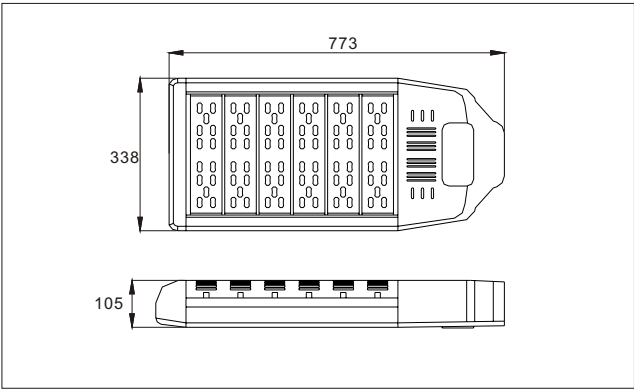
 ERP	 V	 V	 W	 W	 PF	 LM	 K		 h		IP
产品ERP编码 Product Code	额定电压 Rated Voltage	最大工作电压范围 Max. Operation voltage range	功率 Power	线路功率 Circuit Power	功率因数 Power Factor	光通量 Flux	色温 CCT	发光角度 Beam Angle	设计寿命 Life	颜色 Color	IP等级 IP Rating
HQLF150/221/LD05D 150W											
---	AC220-240V	AC100~240V	70x1.9	≤150	≥0.95	8685	3000	120	50000	WW	IP65
---	AC220-240V	AC100~240V	70x1.9	≤150	≥0.95	9145	4000	120	50000	NW	IP65
---	AC220-240V	AC100~240V	70x1.9	≤150	≥0.95	9850	5000	120	50000	CW	IP65
---	AC220-240V	AC100~240V	70x1.9	≤150	≥0.95	10060	6400	120	50000	CW	IP65

LED路灯(D系列)/LED Road Light

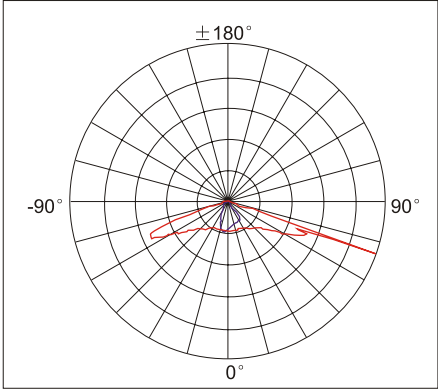


LD06D/180W

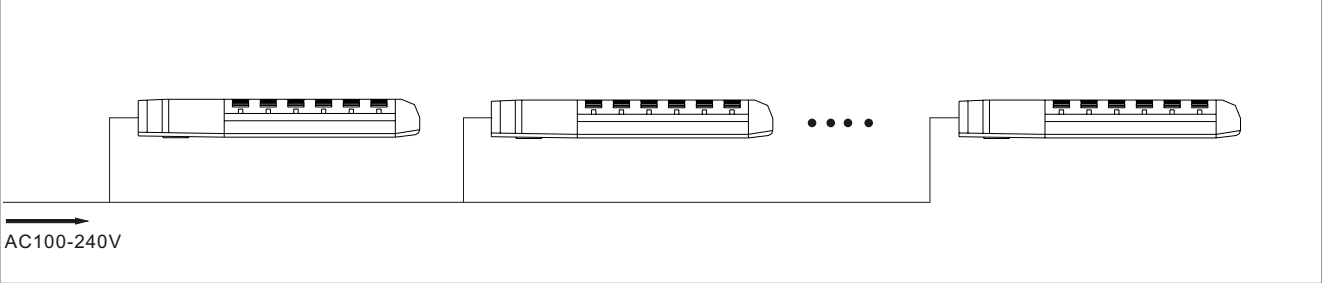
产品尺寸/size



配光曲线/Light distribution curve



接线图/wiring diagram



订货指南/Order Guide

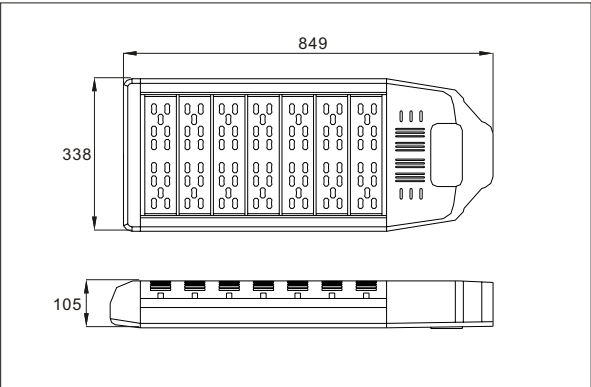
ERP	V	V	W	W	PF	LM	K		h		IP
产品ERP编码 Product Code	额定电压 Rated Voltage	最大工作电压范围 Max.Operation voltage range	功率 Power	线路功率 Circuit Power	功率因数 Power Factor	光通量 Flux	色温 CCT	发光角度 Beam Angle	设计寿命 Life	颜色 Color	IP等级 IP Rating
HQLF180/221/LD06D 180W											
---	AC220-240V	AC100~240V	84x1.9	≤180	≥0.9	10422	3000	120	50000	WW	IP65
---	AC220-240V	AC100~240V	84x1.9	≤180	≥0.9	10974	4000	120	50000	NW	IP65
---	AC220-240V	AC100~240V	84x1.9	≤180	≥0.9	11820	5000	120	50000	CW	IP65
---	AC220-240V	AC100~240V	84x1.9	≤180	≥0.9	12072	6400	120	50000	CW	IP65

LED路灯(D系列)/LED Road Light

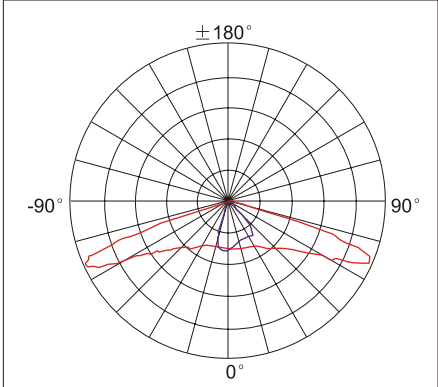


LD07D/210W

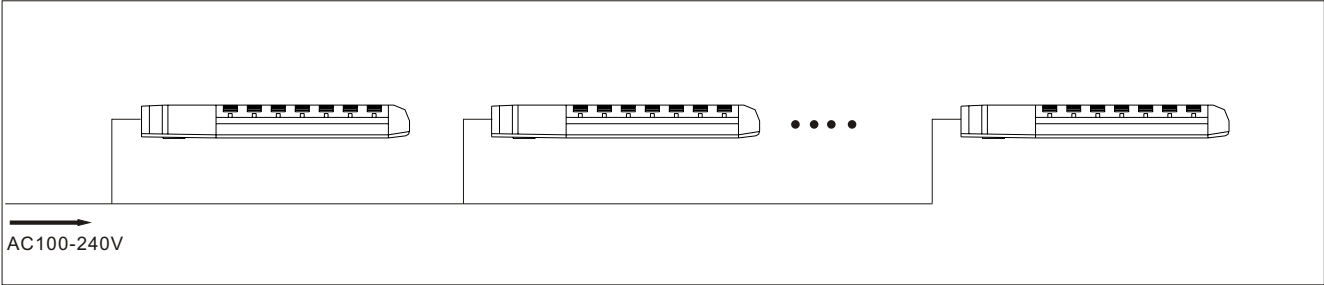
产品尺寸/size



配光曲线/Light distribution curve



接线图/wiring diagram



订货指南/Order Guide

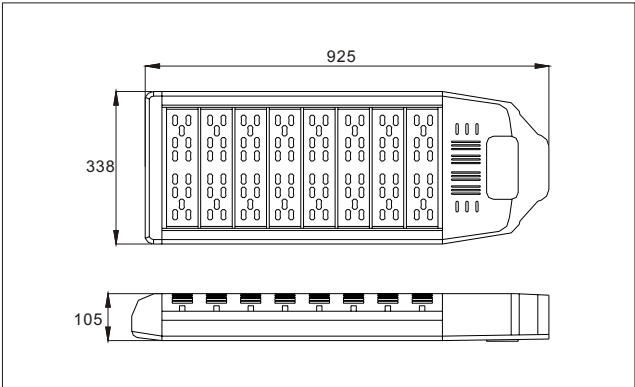
 产品ERP编码 Product Code	 额定电压 Rated Voltage	 最大工作电压范围 Max. Operation voltage range	 功率 Power	 线路功率 Circuit Power	 功率因数 Power Factor	 光通量 Flux	 色温 CCT	 发光角度 Beam Angle	 设计寿命 Life	 颜色 Color	 IP等级 IP Rating
HQLF210/221/LD07D 210W											
---	AC220-240V	AC100~240V	98x1.9	≤210	≥0.9	12159	3000	120	50000	WW	IP65
---	AC220-240V	AC100~240V	98x1.9	≤210	≥0.9	12803	4000	120	50000	NW	IP65
---	AC220-240V	AC100~240V	98x1.9	≤210	≥0.9	13790	5000	120	50000	CW	IP65
---	AC220-240V	AC100~240V	98x1.9	≤210	≥0.9	14084	6400	120	50000	CW	IP65

LED路灯(D系列)/LED Road Light

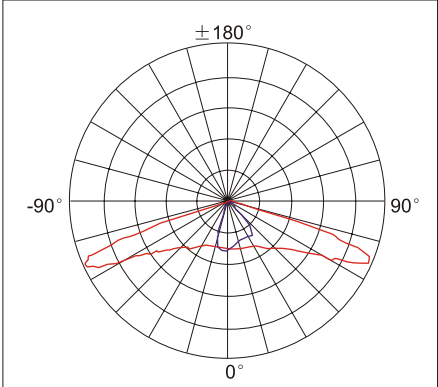


LD08D/240W

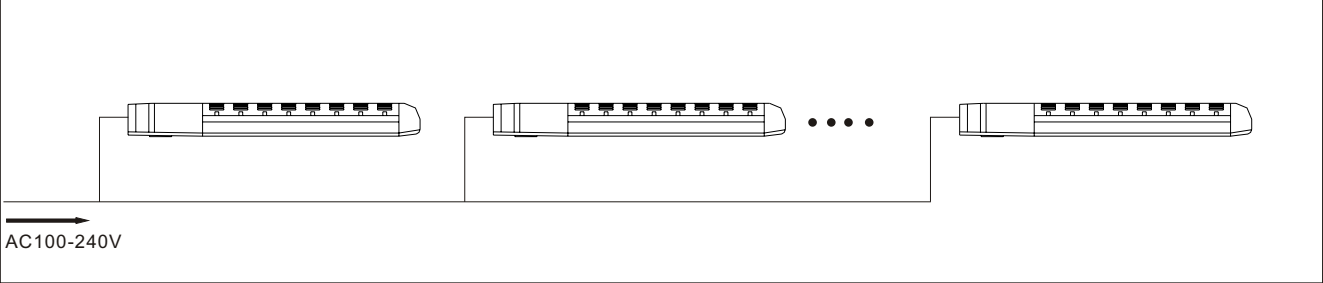
产品尺寸/size



配光曲线/Light distribution curve



接线图/wiring diagram



订货指南/Order Guide

ERP	V	V	W	W	PF	LM	K		h		IP
产品ERP编码 Product Code	额定电压 Rated Voltage	最大工作电压范围 Max.Operation voltage range	功率 Power	线路功率 Circuit Power	功率因数 Power Factor	光通量 Flux	色温 CCT	发光角度 Beam Angle	设计寿命 Life	颜色 Color	IP等级 IP Rating
HQLF240/221/LD08D 240W											
---	AC220-240V	AC100~240V	112x1.9	≤240	≥0.9	13896	3000	120	50000	WW	IP65
---	AC220-240V	AC100~240V	112x1.9	≤240	≥0.9	14632	4000	120	50000	NW	IP65
---	AC220-240V	AC100~240V	112x1.9	≤240	≥0.9	15760	5000	120	50000	CW	IP65
---	AC220-240V	AC100~240V	112x1.9	≤240	≥0.9	16096	6400	120	50000	CW	IP65

LED路灯(E系列)/LED Road Light



LD01E/30W

产品特点

Characteristic

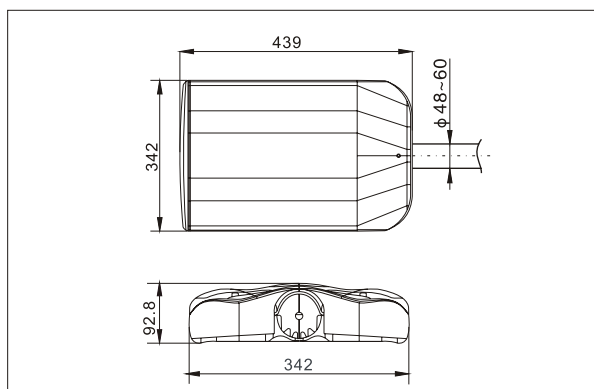
- 灯体采用高纯铝灯壳，散热结构优化设计，保证LED发光效率和使用寿命。外观轻薄，有效降低风阻，减轻灯杆的负荷，增强安全系数。
- 采用高亮度的飞利浦3030 LED作为光源，运用多颗芯片集成式单模组设计，具有导热快，光衰小，光色纯等特点。
- 采用高透明水晶玻璃透镜，确保了光通量输出，特殊弧面设计针对性将LED发光控制在合理需要范围内，提高了灯具出光效果的均匀性和光能的利用率，突出了LED灯具明显节能优势。
- LED驱动电源：恒流驱动方式，50000小时寿命保障。
- 电气绝缘等级：Class I。
- 灯具防护等级：IP65。
- 灯具防腐等级：WF1。
- 灯具使用寿命：≥50000小时(正常使用情况下)。
- 安装高度8~10m,安装口径 $\phi 48\sim 60$ mm。

适用环境

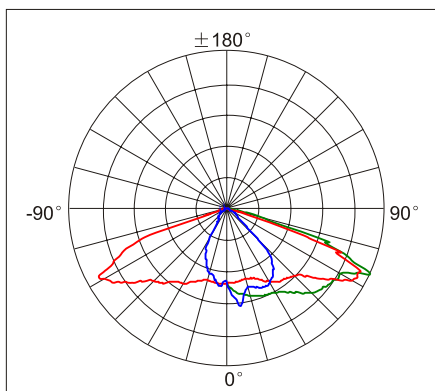
Applications

- 道路、收费站、高架桥、停车场、广场等场所。

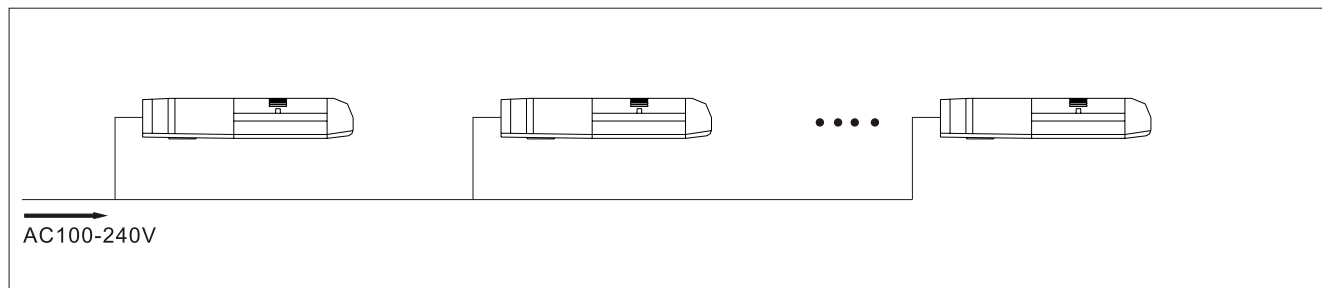
产品尺寸/size



配光曲线/Light distribution curve



接线图/wiring diagram



订货指南/Order Guide

ERP 产品ERP编码 Product Code	V 额定电压 Rated Voltage	V 最大工作电压范围 Max Operation voltage range	W 功率 Power	W 线路功率 Circuit Power	PF 功率因数 Power Factor	LM 光通量 Flux	K 色温 CCT	Ra 显色指数 CRI	h 发光角度 Beam Angle	设计寿命 Life	IP等级 IP Rating
HQLF30/221/LD01E	30W										
---	AC220-240V	AC90~264V	30	34	≥0.9	3468	4000	>80	142° x 72°	50000	IP65
---	AC220-240V	AC90~264V	30	34	≥0.9	3570	5000	>80	142° x 72°	50000	IP65

LED路灯(E系列)/LED Road Light



LD02E/60W

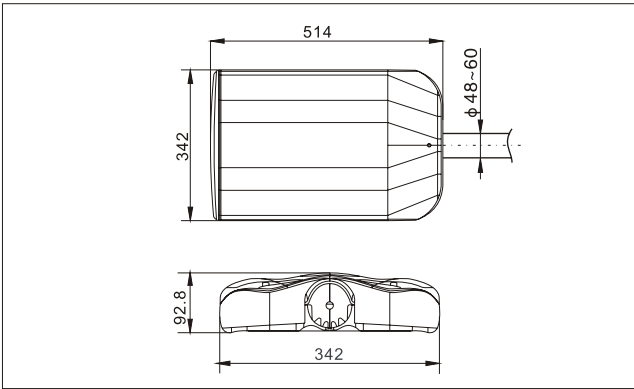
产品特点
Characteristic

- 灯体采用高纯铝灯壳，散热结构优化设计，保证LED发光效率和使用寿命。外观轻薄，有效降低风阻，减轻灯杆的负荷，增强安全系数。
- 采用高亮度的飞利浦3030 LED 作为光源，运用多颗芯片集成式单模组设计，具有导热快，光衰小，光色纯等特点。
- 采用高透明水晶玻璃透镜，确保了光通量输出，特殊弧面设计针对性将LED 发光控制在合理需要范围内，提高了灯具出光效果的均匀性和光能的利用率，突出了LED 灯具明显节能优势。
- LED驱动电源：恒流驱动方式，50000小时寿命保障。
- 电气绝缘等级：Class I 。
- 灯具防护等级：IP65。
- 灯具防腐等级：WF1。
- 灯具使用寿命：≥50000小时(正常使用情况下)。
- 安装高度8~10m,安装口径 ϕ 48~60mm。

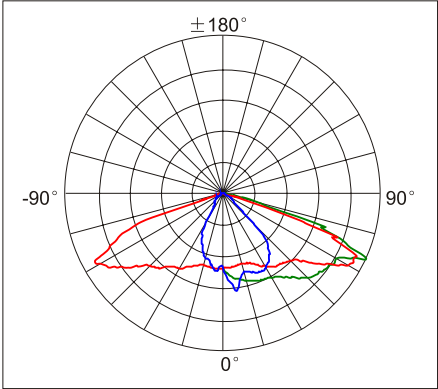
适用环境
Applications

- 道路、收费站、高架桥、停车场、广场等场所。

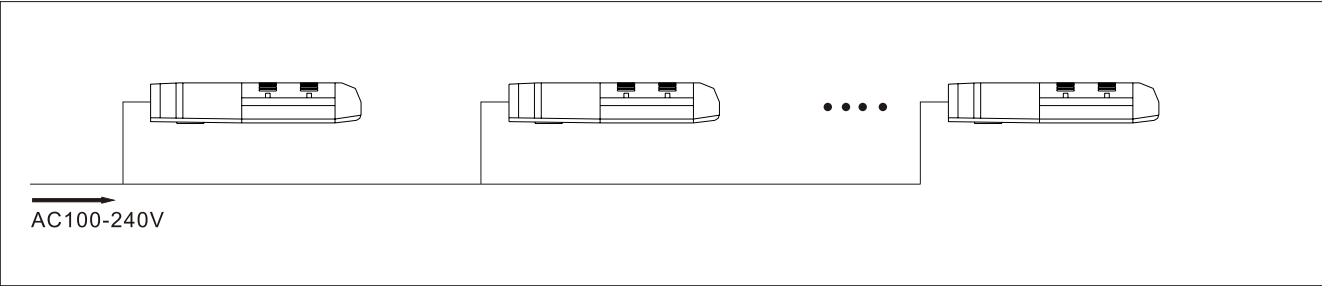
产品尺寸/size



配光曲线/Light distribution curve



接线图/wiring diagram



订货指南/Order Guide

ERP 产品ERP编码 Product Code	V 额定电压 Rated Voltage	V 最大工作电压范围 Max.Operation voltage range	W 功率 Power	W 线路功率 Circuit Power	PF 功率因数 Power Factor	LM 光通量 Flux	K 色温 CCT	Ra 显色指数 CRI	▲ 发光角度 Beam Angle	h 设计寿命 Life	IP IP等级 IP Rating
HQLF60/221/LD02E	60W										
---	AC220-240V	AC90~264V	60	68	≥0.95	6936	4000	>80	142° x 72°	50000	IP65
---	AC220-240V	AC90~264V	60	68	≥0.95	7140	5000	>80	142° x 72°	50000	IP65

LED路灯(E系列)/LED Road Light



LD03E/90W

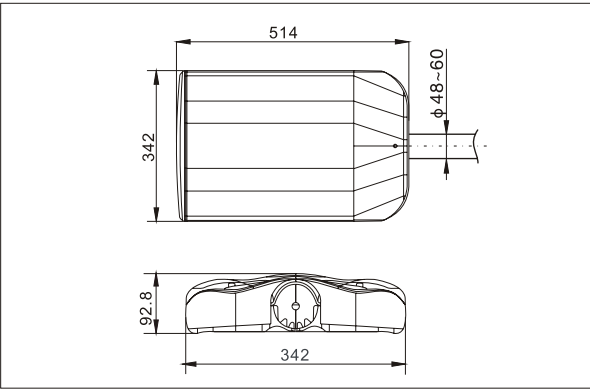
产品特点
Characteristic

- 灯体采用高纯铝灯壳，散热结构优化设计，保证LED发光效率和使用寿命。外观轻薄，有效降低风阻，减轻灯杆的负荷，增强安全系数。
- 采用高亮度的飞利浦3030 LED 作为光源，运用多颗芯片集成式单模组设计，具有导热快，光衰小，光色纯等特点。
- 采用高透明水晶玻璃透镜，确保了光通量输出，特殊弧面设计针对性将LED 发光控制在合理需要范围内，提高了灯具出光效果的均匀性和光能的利用率，突出了LED 灯具明显节能优势。
- LED驱动电源：恒流驱动方式，50000小时寿命保障。
- 电气绝缘等级：Class I 。
- 灯具防护等级：IP65。
- 灯具防腐等级：WF1。
- 灯具使用寿命：≥50000小时(正常使用情况下)。
- 安装高度8~10m,安装口径 ϕ 48~60mm.

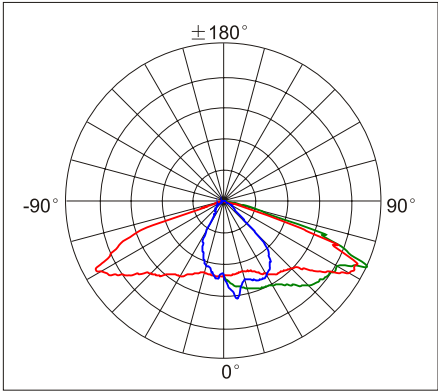
适用环境
Applications

- 道路、收费站、高架桥、停车场、广场等场所。

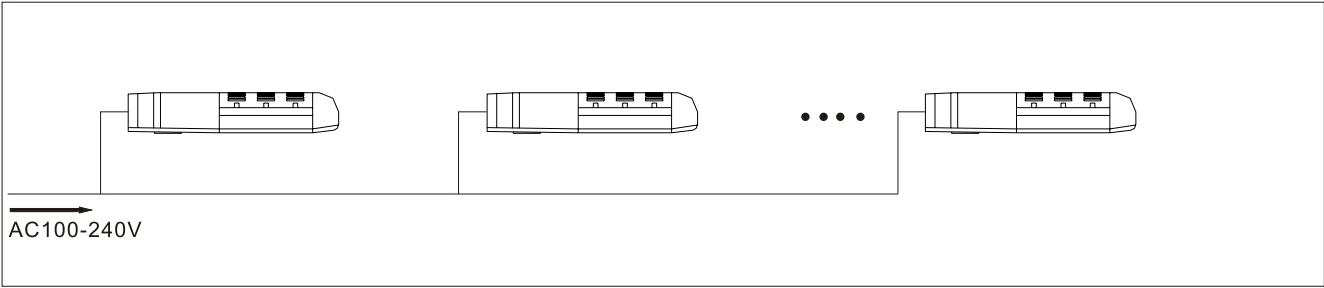
产品尺寸/size



配光曲线/Light distribution curve



接线图/wiring diagram



订货指南/Order Guide

ERP 产品ERP编码 Product Code	V 额定电压 Rated Voltage	V 最大工作电压范围 Max Operation voltage range	W 功率 Power	W 线路功率 Circuit Power	PF 功率因数 Power Factor	LM 光通量 Flux	K 色温 CCT	Ra 显色指数 CRI	h 发光角度 Beam Angle	设计寿命 Life	IP IP等级 IP Rating
HQLF90/221/LD03E	90W										
---	AC220-240V	AC90~264V	90	102	≥0.95	10404	4000	>80	142°x72°	50000	IP65
---	AC220-240V	AC90~264V	90	102	≥0.95	10710	5000	>80	142°x72°	50000	IP65

LED路灯(E系列)/LED Road Light



LD04E/120W

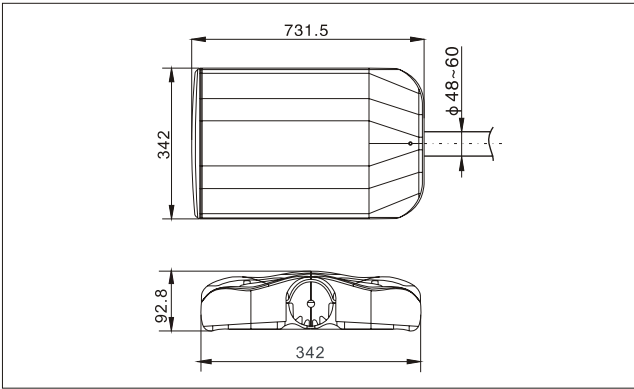
产品特点
Characteristic

- 灯体采用高纯铝灯壳，散热结构优化设计，保证LED发光效率和使用寿命。外观轻薄，有效降低风阻，减轻灯杆的负荷，增强安全系数。
- 采用高亮度的飞利浦3030 LED 作为光源，运用多颗芯片集成式单模组设计，具有导热快，光衰小，光色纯等特点。
- 采用高透明水晶玻璃透镜，确保了光通量输出，特殊弧面设计针对性将LED发光控制在合理需要范围内，提高了灯具出光效果的均匀性和光能的利用率，突出了LED 灯具明显节能优势。
- LED驱动电源：恒流驱动方式，50000小时寿命保障。
- 电气绝缘等级：Class I。
- 灯具防护等级：IP65。
- 灯具防腐等级：WF1。
- 灯具使用寿命：≥50000小时(正常使用情况下)。
- 安装高度8~10m,安装口径 $\phi 48\sim 60$ mm.

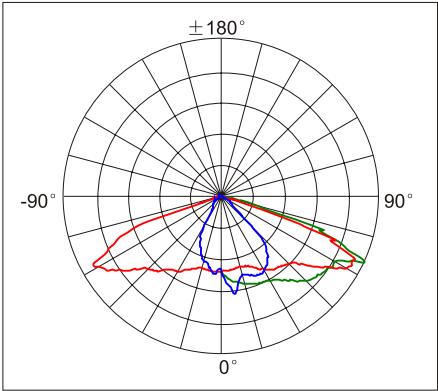
适用环境
Applications

- 道路、收费站、高架桥、停车场、广场等场所。

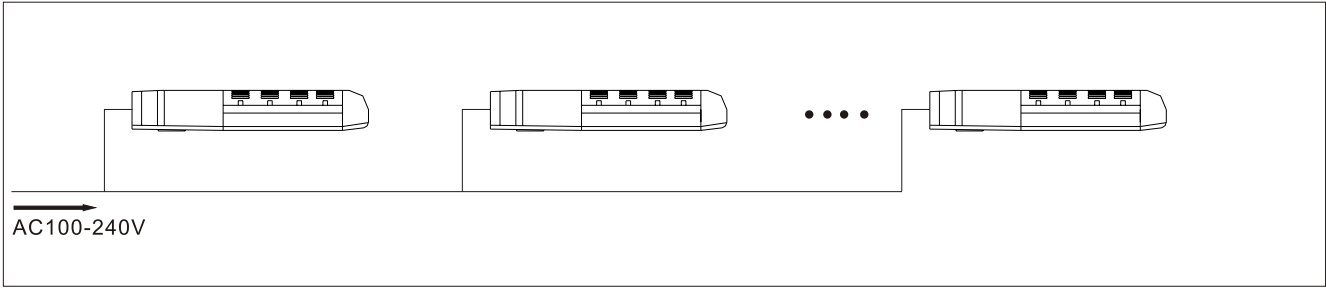
产品尺寸/size



配光曲线/Light distribution curve



接线图/wiring diagram



订货指南/Order Guide

 ERP	 V	 V	 W	 W	 PF	 LM	 K	 Ra		 h	 IP
产品ERP编码 Product Code	额定电压 Rated Voltage	最大工作电压范围 Max.Operation voltage range	功率 Power	线路功率 Circuit Power	功率因数 Power Factor	光通量 Flux	色温 CCT	显色指数 CRI	发光角度 Beam Angle	设计寿命 Life	IP等级 IP Rating
HQLF120/221/LD04E 120W											
---	AC220-240V	AC90~264V	120	136	≥0.95	13872	4000	>80	142°x72°	50000	IP65
---	AC220-240V	AC90~264V	120	136	≥0.95	14280	5000	>80	142°x72°	50000	IP65

LED路灯(E系列)/LED Road Light



LD05E/150W

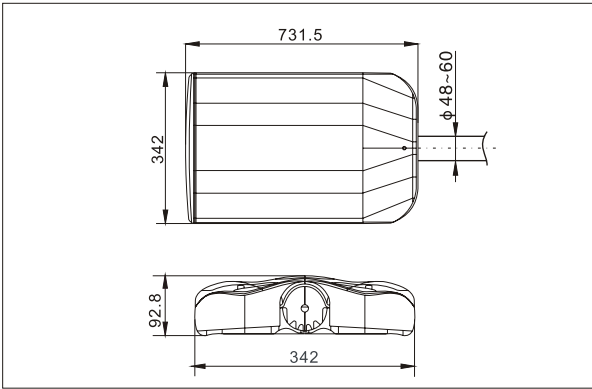
产品特点
Characteristic

- 灯体采用高纯铝灯壳，散热结构优化设计，保证LED发光效率和使用寿命。外观轻薄，有效降低风阻，减轻灯杆的负荷，增强安全系数。
- 采用高亮度的飞利浦3030 LED 作为光源，运用多颗芯片集成式单模组设计，具有导热快，光衰小，光色纯等特点。
- 采用高透明水晶玻璃透镜，确保了光通量输出，特殊弧面设计针对性将LED 发光控制在合理需要范围内，提高了灯具出光效果的均匀性和光能的利用率，突出了LED 灯具明显节能优势。
- LED驱动电源：恒流驱动方式，50000小时寿命保障。
- 电气绝缘等级：Class I。
- 灯具防护等级：IP65。
- 灯具防腐等级：WF1。
- 灯具使用寿命：≥50000小时(正常使用情况下)。
- 安装高度8~10m,安装口径 $\phi 48\sim 60$ mm.

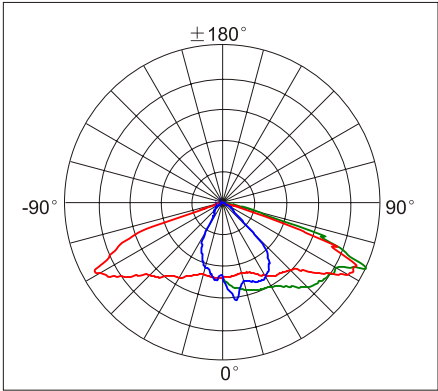
适用环境
Applications

- 道路、收费站、高架桥、停车场、广场等场所。

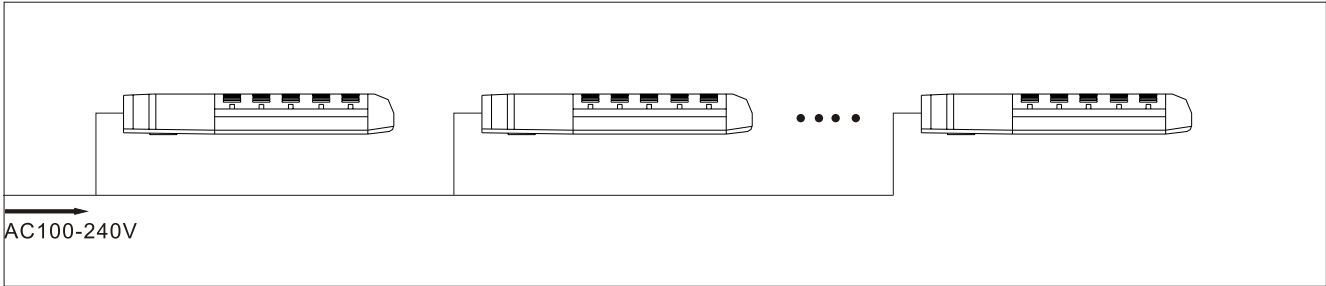
产品尺寸/size



配光曲线/Light distribution curve



接线图/wiring diagram



订货指南/Order Guide

ERP 产品ERP编码 Product Code	V 额定电压 Rated Voltage	V 最大工作电压范围 Max. Operation voltage range	W 功率 Power	W 线路功率 Circuit Power	PF 功率因数 Power Factor	LM 光通量 Flux	K 色温 CCT	Ra 显色指数 CRI	发光角度 Beam Angle	h 设计寿命 Life	IP IP等级 IP Rating
HQLF150/221/LD05E	150W										
---	AC220-240V	AC90~264V	150	170	≥0.95	17340	4000	>80	142°x72°	50000	IP65
---	AC220-240V	AC90~264V	150	170	≥0.95	17850	5000	>80	142°x72°	50000	IP65

LED路灯(E系列)/LED Road Light



LD06E/180W

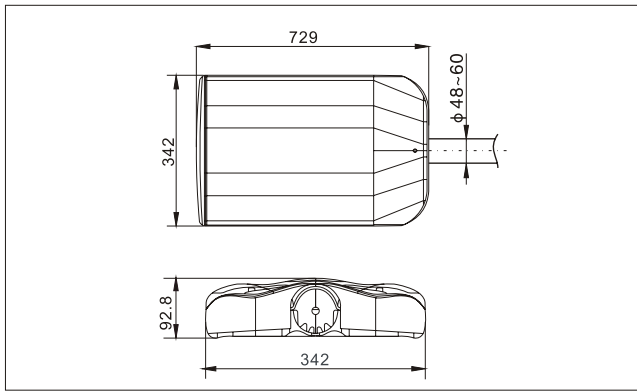
产品特点
Characteristic

- 灯体采用高纯铝灯壳，散热结构优化设计，保证LED发光效率和使用寿命。外观轻薄，有效降低风阻，减轻灯杆的负荷，增强安全系数。
- 采用高亮度的飞利浦3030 LED 作为光源，运用多颗芯片集成式单模组设计，具有导热快，光衰小，光色纯等特点。
- 采用高透明水晶玻璃透镜，确保了光通量输出，特殊弧面设计针对性将LED发光控制在合理需要范围内，提高了灯具出光效果的均匀性和光能的利用率，突出了LED 灯具明显节能优势。
- LED驱动电源：恒流驱动方式，50000小时寿命保障。
- 电气绝缘等级：Class I。
- 灯具防护等级：IP65。
- 灯具防腐等级：WF1。
- 灯具使用寿命：≥50000小时(正常使用情况下)。
- 安装高度8~10m,安装口径 $\phi 48\sim 60$ mm.

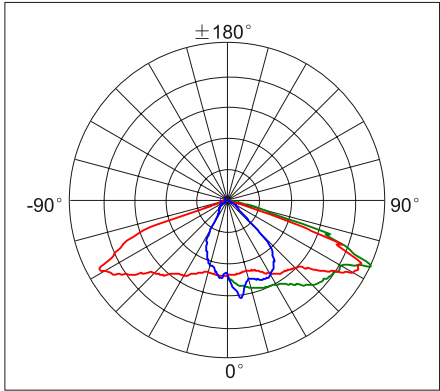
适用环境
Applications

- 道路、收费站、高架桥、停车场、广场等场所。

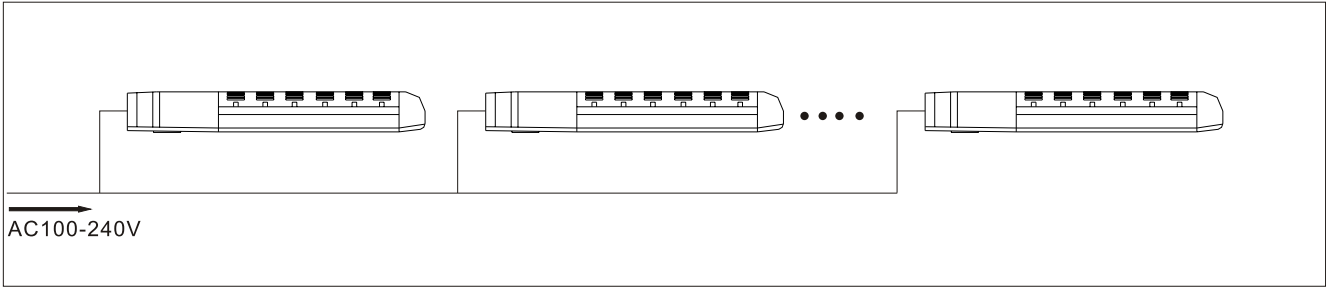
产品尺寸/size



配光曲线/Light distribution curve



接线图/wiring diagram



订货指南/Order Guide

 ERP	 V	 V	 W	 W	 PF	 LM	 K	 Ra		 h	IP
产品ERP编码 Product Code	额定电压 Rated Voltage	最大工作电压范围 Max.Operation voltage range	功率 Power	线路功率 Circuit Power	功率因数 Power Factor	光通量 Flux	色温 CCT	显色指数 CRI	发光角度 Beam Angle	设计寿命 Life	IP等级 IP Rating
HQLF180/221/LD06E 180W											
---	AC220-240V	AC90~264V	180	204	≥0.95	20808	4000	>80	142°x72°	50000	IP65
---	AC220-240V	AC90~264V	180	204	≥0.95	21420	5000	>80	142°x72°	50000	IP65

LED路灯(E系列)/LED Road Light



LD07E/210W

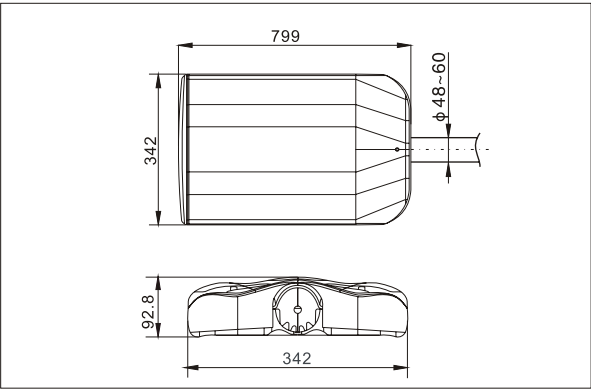
产品特点
Characteristic

- 灯体采用高纯铝灯壳，散热结构优化设计，保证LED发光效率和使用寿命。外观轻薄，有效降低风阻，减轻灯杆的负荷，增强安全系数。
- 采用高亮度的飞利浦3030 LED 作为光源，运用多颗芯片集成式单模组设计，具有导热快，光衰小，光色纯等特点。
- 采用高透明水晶玻璃透镜，确保了光通量输出，特殊弧面设计针对性将LED发光控制在合理需要范围内，提高了灯具出光效果的均匀性和光能的利用率，突出了LED 灯具明显节能优势。
- LED驱动电源：恒流驱动方式，50000小时寿命保障。
- 电气绝缘等级：Class I。
- 灯具防护等级：IP65。
- 灯具防腐等级：WF1。
- 灯具使用寿命：≥50000小时(正常使用情况下)。
- 安装高度8~10m,安装口径 $\phi 48\sim 60$ mm。

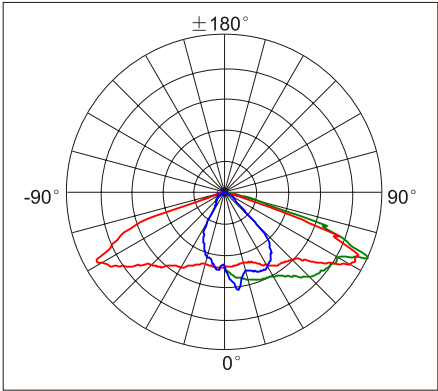
适用环境
Applications

- 道路、收费站、高架桥、停车场、广场等场所。

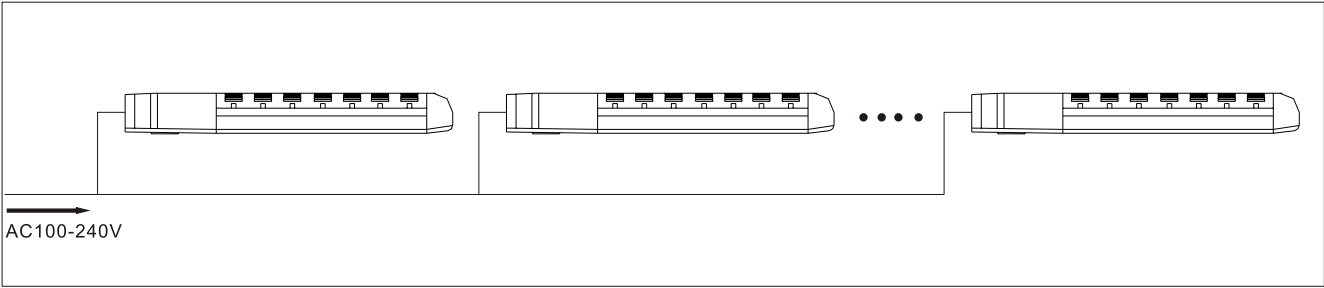
产品尺寸/size



配光曲线/Light distribution curve



接线图/wiring diagram



订货指南/Order Guide

 ERP	 V	 V	 W	 W	 PF	 LM	 K	 Ra		 h	 IP
产品ERP编码 Product Code	额定电压 Rated Voltage	最大工作电压范围 Max. Operation Voltage range	功率 Power	线路功率 Circuit Power	功率因数 Power Factor	光通量 Flux	色温 CCT	显色指数 CRI	发光角度 Beam Angle	设计寿命 Life	IP等级 IP Rating
HQLF210/221/LD07E 210W											
---	AC220-240V	AC90~264V	210	238	≥0.95	24276	4000	>80	142°x72°	50000	IP65
---	AC220-240V	AC90~264V	210	238	≥0.95	24990	5000	>80	142°x72°	50000	IP65

LED路灯(E系列)/LED Road Light



LD08E/240W

产品特点

Characteristic

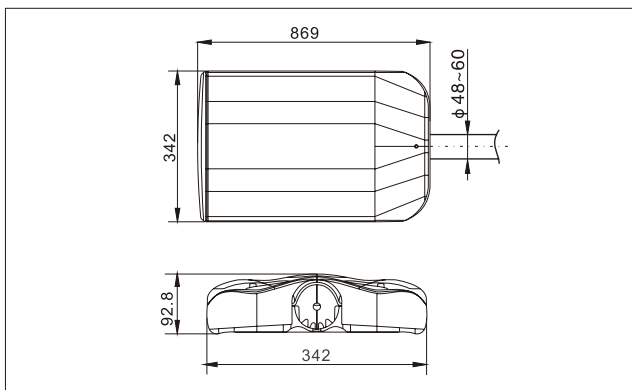
- 灯体采用高纯铝灯壳，散热结构优化设计，保证LED发光效率和使用寿命。外观轻薄，有效降低风阻，减轻灯杆的负荷，增强安全系数。
- 采用高亮度的飞利浦3030 LED 作为光源，运用多颗芯片集成式单模组设计，具有导热快，光衰小，光色纯等特点。
- 采用高透明水晶玻璃透镜，确保了光通量输出，特殊弧面设计针对性将LED发光控制在合理需要范围内，提高了灯具出光效果的均匀性和光能的利用率，突出了LED 灯具明显节能优势。
- LED驱动电源：恒流驱动方式，50000小时寿命保障。
- 电气绝缘等级：Class I。
- 灯具防护等级：IP65。
- 灯具防腐等级：WF1。
- 灯具使用寿命：≥50000小时(正常使用情况下)。
- 安装高度8~10m, 安装口径 $\phi 48\sim 60$ mm。

适用环境

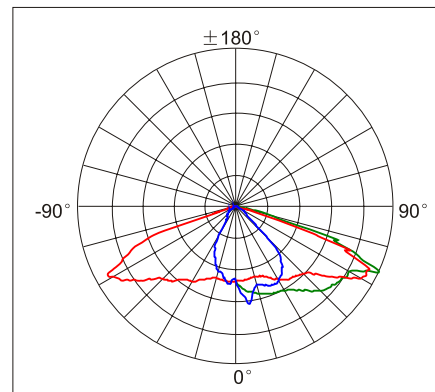
Applications

- 道路、收费站、高架桥、停车场、广场等场所。

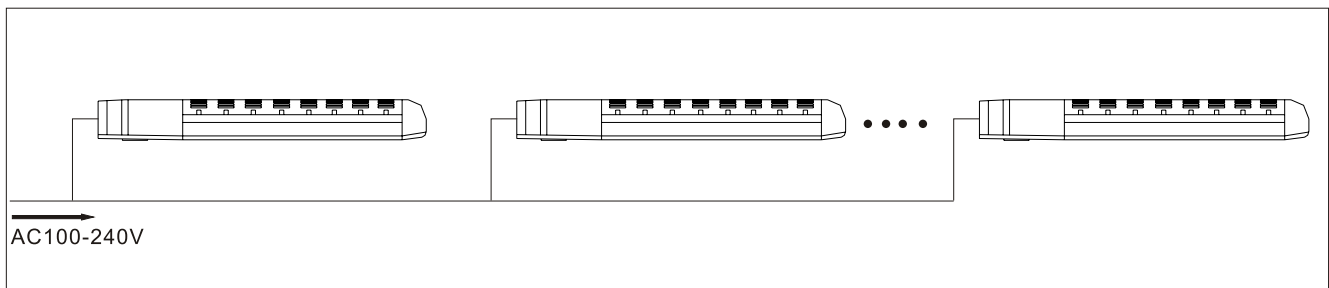
产品尺寸/size



配光曲线/Light distribution curve



接线图/wiring diagram



订货指南/Order Guide

ERP 产品ERP编码 Product Code	V 额定电压 Rated Voltage	V 最大工作电压范围 Max. Operation voltage range	W 功率 Power	W 线路功率 Circuit Power	PF 功率因数 Power Factor	LM 光通量 Flux	K 色温 CCT	Ra 显色指数 CRI	发光角度 Beam Angle	h 设计寿命 Life	IP IP等级 IP Rating
HQLF240/221/LD08E 240W											
---	AC220-240V	AC90~264V	240	272	≥0.95	27744	4000	>80	142°x72°	50000	IP65
---	AC220-240V	AC90~264V	240	272	≥0.95	28560	5000	>80	142°x72°	50000	IP65

LED 隧道灯

LED Tunnel Light

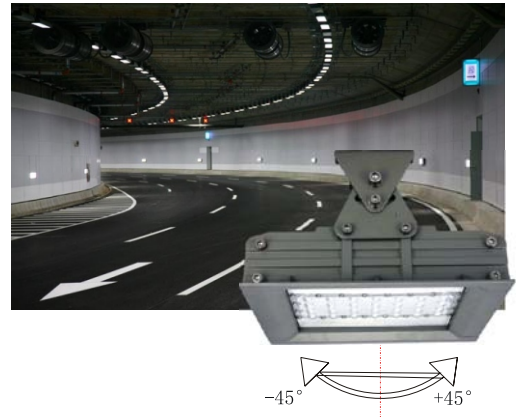
产品特点/Characteristic

- 灯体采用高纯铸铝灯壳，散热结构优化设计，保证LED发光效率和使用寿命。外观轻薄，有效降低风阻，减轻灯杆的负荷，增强安全系数。
- LED光源采用CREE原装光源，CREE封装技术。
灯具颜色：沙纹灰。
- LED驱动电源：恒流驱动方式，50000小时寿命保障。
- 电气绝缘等级：Class I。
- 灯具防护等级：IP65。
- 灯具防腐等级：WF1。
- 灯具使用寿命：≥50000小时(正常使用情况下)。

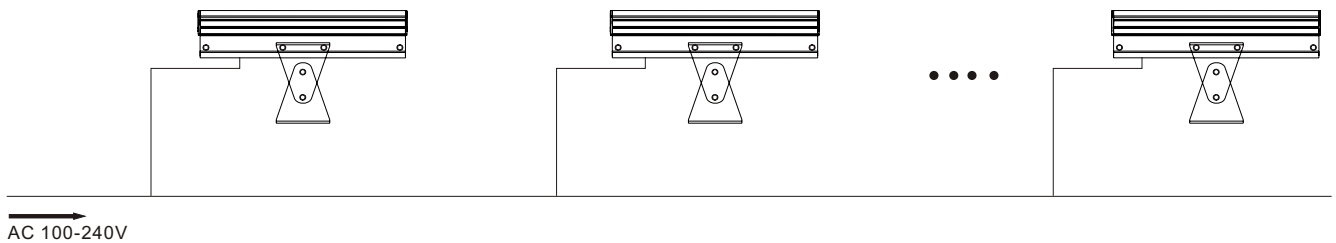
- Imported- polycarbonate injected lamp shade, high intensity, excellent transmittance, Light and thin, effectively reduces wind resistance and load on the pole, enhances safety factor.
- Adopted CREE original chip, CREE capsulation technology.
- Color: ripple ash
- LED driver: driven by constant current, 50000 hours service life
- Electrical insulation class: Class I
- IP class: IP65
- Antisepsis class: WF1
- Service life: ≥50000h (under normal use)

适用环境/Applications

- 适用于隧道、公路收费站、加油站、桥梁、矿区。
- Tunnel, toll-gate, gas station, bridge and diggings.



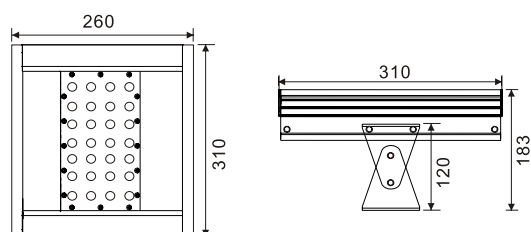
接线图 / wiring diagram



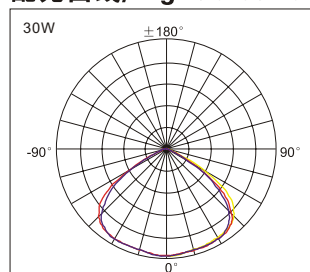
LED隧道灯具/LED Tunnel Light



产品尺寸/size



配光曲线/Light distribution curve



30W LED隧道灯
30W LED tunnel light



70W高压钠灯隧道灯
70 WPS tunnel light

节能计算/Energy conservation

- 30W LED隧道灯取代70W高压钠灯,每只灯能节省40W功率。
- 每天工作24小时, 每年工作365天, 每年工作8760小时。
- 每年可以节约350度电。
- 可以减少替换次数5次。
- 30W LED Tunnel light replaces 70W high pressure sodium lamp, each saves 40W energy.
- Work 24 hours every day, 365 days every year and 8760 hours every year.
- Saves 350 kWh electricity every year.
- Reduces 5 times for replacement

功率对比/Power comparison	寿命对比/Life comparison
30W  = 70W 	1 x  = 5 x  50000hrs Standard

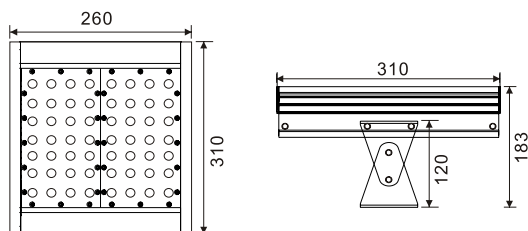
订货指南/Order Guide

ERP 产品ERP编码 Product Code	V 额定电压 Rated Voltage	V 最大工作电压范围 Max. Operation voltage range	W 功率 Power	替换 高压钠灯 功率(W) Replaces Watts	W 线路功率 Circuit Power	PF 功率因数 Power Factor	LM 光通量 Flux	K 色温 CCT	发光角度 Beam Angle	h 设计寿命 Life	颜色 Color	IP IP等级 IP Rating
HQLF30/220/LD06 30W												
---	AC220V	AC220~240V	28x1	70	≤33	≥0.9	2730	3000	120	50000	WW	IP65
---	AC220V	AC220~240V	28x1	70	≤33	≥0.9	2910	4000	120	50000	NW	IP65
---	AC220V	AC220~240V	28x1	70	≤33	≥0.9	3115	5000	120	50000	CW	IP65

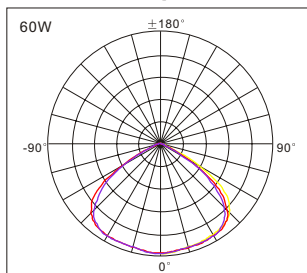
LED隧道灯具/LED Tunnel Light



产品尺寸/size



配光曲线/Light distribution curve



60W LED隧道灯 60W LED tunnel light



150W高压钠灯隧道灯 150 HPS tunnel light

节能计算/Energy conservation

- 60W LED隧道灯取代150W高压钠灯,每只灯能节省90W功率。
- 每天工作24小时, 每年工作365天, 每年工作8760小时。
- 每年可以节约788度电。
- 可以减少替换次数5次。
- 60W LED Tunnel light replaces 150W high pressure sodium lamp, each saves 90W energy.
- Work 24 hours every day, 365 days every year and 8760 hours every year.
- Saves 788 kWh electricity every year.
- Reduces 5 times for replacement

功率对比/Power comparison



寿命对比/Life comparison



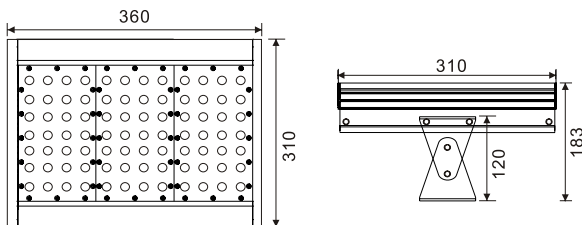
订货指南/Order Guide

ERP 产品ERP编码 Product Code	V 额定电压 Rated Voltage	V 最大工作电压范围 Max Operation Voltage range	W 功率 Power	W 替换 高压钠灯 功率(W) Replaces Watts	W 线路功率 Circuit Power	PF 功率因数 Power Factor	LM 光通量 Flux	K 色温 CCT	发光角度 Beam Angle	h 设计寿命 Life	颜色 Color	IP IP等级 IP Rating
HQLF60/220/LD06 60W												
2531670026	AC220V	AC220~240V	56x1	150	≤66	≥0.9	5460	3000	120	50000	WW	IP65
2531670027	AC220V	AC220~240V	56x1	150	≤66	≥0.9	5820	4000	120	50000	NW	IP65
2531670028	AC220V	AC220~240V	56x1	150	≤66	≥0.9	6230	5000	120	50000	CW	IP65

LED隧道灯具/LED Tunnel Light

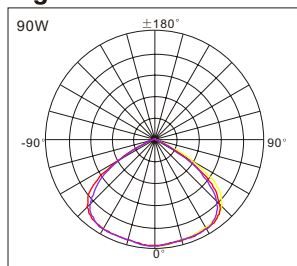


产品尺寸/size



配光曲线

Light distribution curve



90W LED隧道灯 90W LED tunnel light



250W高压钠灯隧道灯 250 HPS tunnel light

节能计算/Energy conservation

- 90W LED隧道灯取代250W高压钠灯,每只灯能节省160W功率。
- 每天工作24小时, 每年工作365天, 每年工作8760小时。
- 每年可以节约1402度电。
- 可以减少替换次数5次。
- 90W LED Tunnel light replaces 250W high pressuresodium lamp, each saves 160W energy.
- Work 24 hours every day, 365 days every year and 8760 hours every year.
- Saves 1402 kWh electricity every year.
- Reduces 5 times for replacement

功率对比/Power comparison

90W = 250W

寿命对比/Life comparison

1 x 50000hrs = 5 x Standard

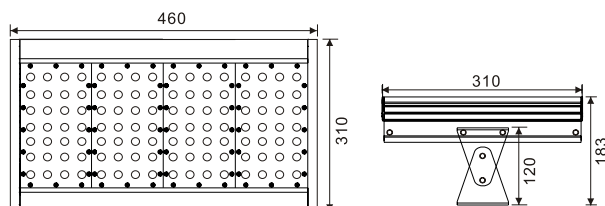
订货指南/Order Guide

												
产品ERP编码 Product Code	额定电压 Rated Voltage	最大工作电压范围 Max. Operation voltage range	功率 Power	替换 高压钠灯 功率 (W) Replaces Watts	线路功率 Circuit Power	功率因数 Power Factor	光通量 Flux	色温 CCT	发光角度 Beam Angle	设计寿命 Life	颜色 Color	IP等级 IP Rating
HQLF90/220/LD07 90W												
2531667033	AC220V	AC220~240V	84x1	250	≤100	≥0.9	8190	3000	120	50000	WW	IP65
2531667034	AC220V	AC220~240V	84x1	250	≤100	≥0.9	8730	4000	120	50000	NW	IP65
2531667035	AC220V	AC220~240V	84x1	250	≤100	≥0.9	9345	5000	120	50000	CW	IP65

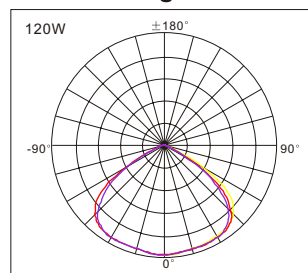
LED隧道灯具/LED Tunnel Light



产品尺寸/size



配光曲线/Light distribution curve

120W LED隧道灯
120W LED tunnel light400W高压钠灯隧道灯
400 HPS tunnel light

节能计算/Energy conservation

- 120W LED隧道灯取代400W高压钠灯,每只灯能节省280W功率。
- 每天工作24小时, 每年工作365天, 每年工作8760小时。
- 每年可以节约2453度电。
- 可以减少替换次数5次。
- 120W LED Tunnel light replaces 400W high pressure sodium lamp, each saves 280W energy.
- Work 24 hours every day, 365 days every year and 8760 hours every year.
- Saves 2453 kWh electricity every year.
- Reduces 5 times for replacement

功率对比/Power comparison

120W = 400W

寿命对比/Life comparison

1 x 50000hrs = 5 x Standard

订货指南/Order Guide

 产品ERP编码 Product Code	 额定电压 Rated Voltage	 最大工作电压范围 Max. Operation voltage range	 功率 Power	 替换 高压钠灯 功率(W) Replaces Watts	 线路功率 Circuit Power	 功率因数 Power Factor	 光通量 Flux	 色温 CCT	 发光角度 Beam Angle	 设计寿命 Life	 颜色 Color	 IP等级 IP Rating
HQLF120/220/LD08 120W												
2531671040	AC220V	AC220~240V	112x1	400	≤128	≥0.9	10920	3000	120	50000	WW	IP65
2531671041	AC220V	AC220~240V	112x1	400	≤128	≥0.9	11640	4000	120	50000	NW	IP65
2531671042	AC220V	AC220~240V	112x1	400	≤128	≥0.9	12460	5000	120	50000	CW	IP65

LED 高杆灯

LED High-Mast Lamp

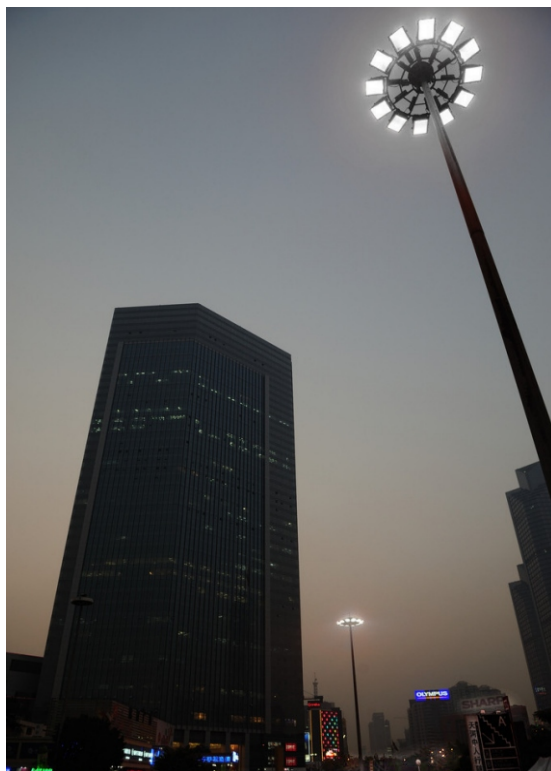
产品特点/Characteristic

- 灯体采用高纯铸铝灯壳，散热结构优化设计，保证LED发光效率和使用寿命。外观轻薄，有效降低风阻，减轻灯杆的负荷，增强安全系数。
- LED光源采用CREE原装光源，CREE封装技术。
灯具颜色：沙纹灰。
- LED驱动电源：恒流驱动方式，50000小时寿命保障。
- 电气绝缘等级：Class I。
- 灯具防护等级：IP65。
- 灯具防腐等级：WF1。
- 灯具使用寿命：≥50000小时(正常使用情况下)。

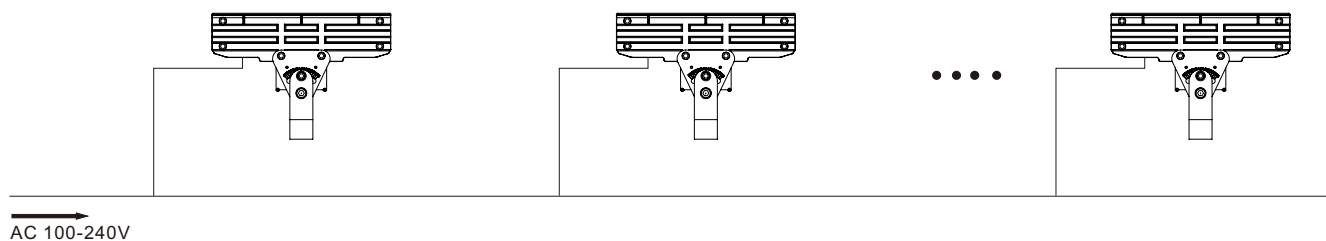
- Imported- polycarbonate injected lamp shade, high intensity, excellent transmittance, . Light and thin, effectively reduces wind resistance and load on the pole, enhances safety factor.
- Adopted CREE original chip, CREE capsulation technology.
- Color: ripple ash
- LED driver: driven by constant current, 50000 hours service life
- Electrical insulation class: Class I
- IP class: IP65
- Antiseptis class: WF1
- Service life: ≥50000h (under normal use)

适用环境/Applications

- 高速公路、立交桥、交汇路口、港口、码头、城市广场、体育馆等室外大面积场所的照明。
- This lamp fixture is application to highway, crossroad, port, ferry, square and GYM.



接线图 /wiring diagram

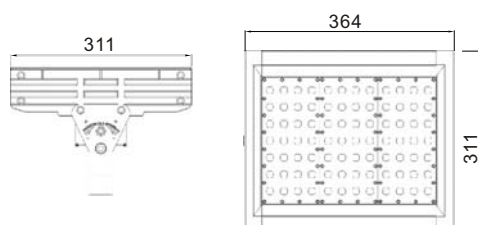


LED高杆灯/LED High-Mast Lamp

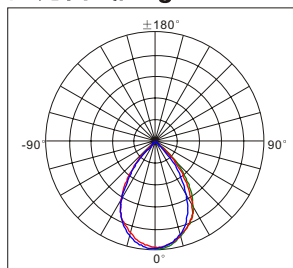


TG27 90W 120W 135W

产品尺寸/size



配光曲线/Light distribution curve



90WLED高杆灯
90W LED high-mastlamp

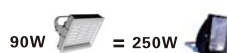


250W高压钠灯
250W HPS lamp

节能计算/Energy conservation

- 90W LED高杆灯取代250W高压钠灯,每只灯能节省160W功率。
- 每天工作24小时, 每年工作365天, 每年工作8760小时。
- 每年可以节约1402度电。
- 可以减少替换次数5次。
- 90W LED high-mastlamp replaces 250W high pressure sodium lamp, each saves 160W energy.
- Work 24 hours every day, 365 days every year and 8760 hours every year.
- Saves 1420 kWh electricity every year.
- Reduces 5 times for replacement

功率对比/Power comparison



寿命对比/Life comparison



订货指南/Order Guide

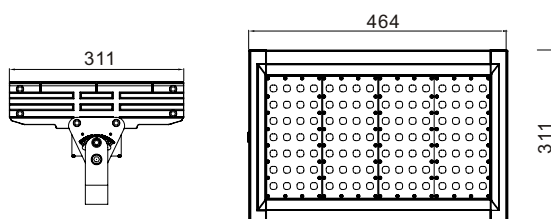
 产品ERP编码 Product Code	 输入电压 Power	 功率 Power	 替换 高压钠灯 功率(W) Replaces Watts	 线路功率 Circuit Power	 功率因数 Power Factor	 光通量 Flux	 色温 CCT	 发光角度 Beam Angle	 设计寿命 Life	 颜色 Color	 IP等级 IP Rating
HQLF90/221/TG27 90W											
2511667001	AC220-240	84x1	250	≤100	≥0.9	8190	3000	65	50000	WW	IP65
2511667002	AC220-240	84x1	250	≤100	≥0.9	8730	4000	65	50000	NW	IP65
2511667003	AC220-240	84x1	250	≤100	≥0.9	9345	5000	65	50000	CW	IP65
HQLF120/221/TG27-1 120W											
2511671001	AC220-240	84x1.3	400	≤123	≥0.9	9795	3000	65	50000	WW	IP65
2511671002	AC220-240	84x1.3	400	≤123	≥0.9	10440	4000	65	50000	NW	IP65
2511671003	AC220-240	84x1.3	400	≤123	≥0.9	11160	5000	65	50000	CW	IP65
HQLF135/221/LD27-2 135W											
2511684001	AC220-240	84x1.5	400	≤138	≥0.9	10770	3000	65	50000	WW	IP65
2511684002	AC220-240	84x1.5	400	≤138	≥0.9	11475	4000	65	50000	NW	IP65
2511684003	AC220-240	84x1.5	400	≤138	≥0.9	12270	5000	65	50000	CW	IP65

LED高杆灯/LED High-Mast Lamp

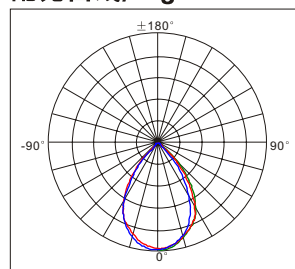


TG28 120W 160W 180W

产品尺寸/size



配光曲线/Light distribution curve



120W LED高杆灯
120W LED high-mast lamp



400W高压钠灯
400W HPS lamp

节能计算/Energy conservation

- 120W LED高杆灯取代400W高压钠灯,每只灯能节省280W功率。
- 每天工作24小时, 每年工作365天, 每年工作8760小时。
- 每年可以节约2453度电。
- 可以减少替换次数5次。
- 120W LED high-pole lamp replaces 400W high pressure sodium lamp, each saves 280W energy.
- Work 24 hours every day, 365 days every year and 8760 hours every year.
- Saves 2453 kWh electricity every year.
- Reduces 5 times for replacement

功率对比/Power comparison	寿命对比/Life comparison
120W  = 400W 	1 x  50000hrs = 5 x  Standard

订货指南/Order Guide

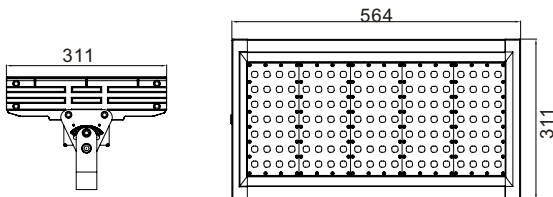
ERP 产品ERP编码 Product Code	W 输入电压 Power	W 功率 Power	替换 高压钠灯 功率(W) Replaces Watts	W 线路功率 Circuit Power	PF 功率因数 Power Factor	LM 光通量 Flux	K 色温 CCT	发光角度 Beam Angle	h 设计寿命 Life	颜色 Color	IP IP等级 IP Rating
HQLF120/221/TG28 120W											
2511671004	AC220-240	112x1	400	≤128	≥0.9	10920	3000	65	50000	WW	IP65
2511671005	AC220-240	112x1	400	≤128	≥0.9	11640	4000	65	50000	NW	IP65
2511671006	AC220-240	112x1	400	≤128	≥0.9	12460	5000	65	50000	CW	IP65
HQLF160/221/TG28-1 160W											
2511682001	AC220-240	112x1.3	400	≤158	≥0.9	13060	3000	65	50000	WW	IP65
2511682002	AC220-240	112x1.3	400	≤158	≥0.9	13920	4000	65	50000	NW	IP65
2511682003	AC220-240	112x1.3	400	≤158	≥0.9	14880	5000	65	50000	CW	IP65
HQLF180/221/TG28-2 180W											
2511685001	AC220-240	112x1.5	600	≤184	≥0.9	14360	3000	65	50000	WW	IP65
2511685002	AC220-240	112x1.5	600	≤184	≥0.9	15300	4000	65	50000	NW	IP65
2511685003	AC220-240	112x1.5	600	≤184	≥0.9	16360	5000	65	50000	CW	IP65

LED高杆灯/LED High-Mast Lamp

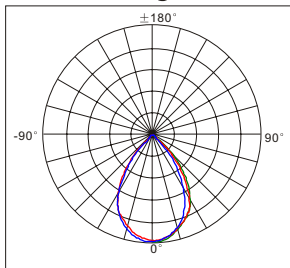


TG29 150W 200W 225W

产品尺寸/size



配光曲线/Light distribution curve

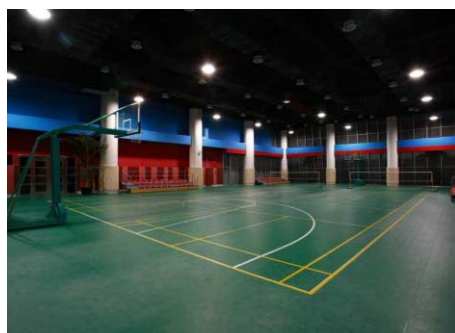


订货指南/Order Guide

ERP 产品ERP编码 Product Code	W 输入电压 Power	W 功率 Power	W 线路功率 Circuit Power	PF 功率因数 Power Factor	LM 光通量 Flux	K 色温 CCT	发光角度 Beam Angle	h 设计寿命 Life	颜色 Color	IP IP等级 IP Rating
HQLF150/221/TG29 150W										
2511609001	AC220-240	140x1	≤160	≥0.9	13650	3000	65	50000	WW	IP65
2511609002	AC220-240	140x1	≤160	≥0.9	14550	4000	65	50000	NW	IP65
2511609003	AC220-240	140x1	≤160	≥0.9	15575	5000	65	50000	CW	IP65
HQLF200/221/TG29-1 200W										
2511611001	AC220-240	140x1.3	≤207	≥0.9	13000	3000	65	50000	WW	IP65
2511611003	AC220-240	140x1.3	≤207	≥0.9	17400	4000	65	50000	NW	IP65
2511611004	AC220-240	140x1.3	≤207	≥0.9	18600	5000	65	50000	CW	IP65
HQLF225/221/TG29-2 225W										
2511686001	AC220-240	140x1.5	≤238	≥0.9	17950	3000	65	50000	WW	IP65
2511686002	AC220-240	140x1.5	≤238	≥0.9	19125	4000	65	50000	NW	IP65
2511686003	AC220-240	140x1.5	≤238	≥0.9	20450	5000	65	50000	CW	IP65

LED High Bay Series

LED 工矿灯系列



LED 工矿灯

LED HIGH BAY

产品特点/Characteristic

- 采用大功率全金属嵌入式集成封装LED光芯，光衰低，使用寿命长。
- 透镜配用高强度菱晶聚合碳纤维透光罩，高透光，低眩光，光色均匀。
- 反光罩镀膜处理，有效提升20%光效。
- 散热器采用太阳花铝型材，散热效果好。
- 结构紧凑、外观简洁大方、节能、环保，免维护。
- Adopted recessed metal COB chip, low lumens depreciation and long service life.
- Adopted high intensity carbon fiber optical lens: high light transmission, low glare with even and gentle light effect.
- Plating treatment on reflector, increase 20% luminous efficiency.
- Adopted New heatsink material, excellent heat dissipation.
- Compact structure with stylish appearance, maintenance-free, energy-saving and environmentally friendly.

适用环境/Applications

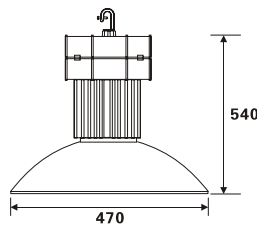
- 矿井、码头、工厂、加油站、作坊、商场，集市等照明。
- Mine, dock, factory, gas station, shopping mall and stores etc.



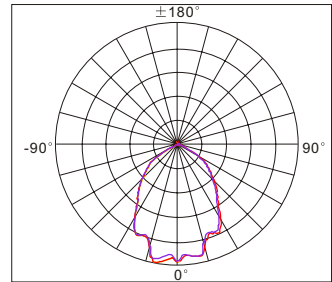
GC23 GC24



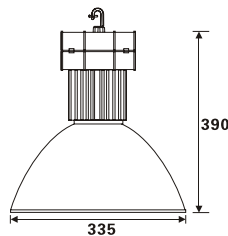
HQLF60/221/GC23 60W



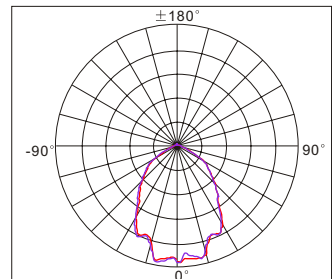
GC23/60W



HQLF80/221/GC24 80W



GC24/80W

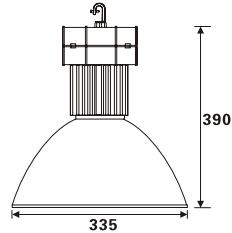


LED 工矿灯/LED HIGH BAY

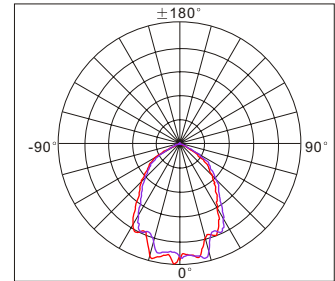
GC25



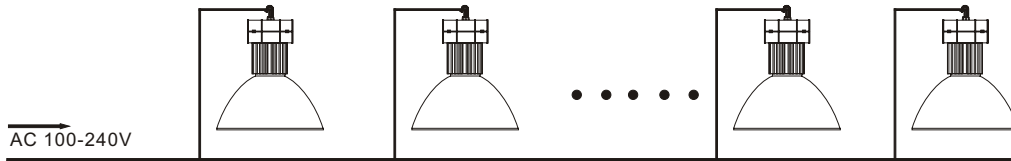
HQLF100/221/GC25 100W



GC25/100W



工矿灯接线图 /High bay wiring diagram



节能计算/Energy conservation

- 60W LED工矿灯取代100W金卤灯,每只灯能节省40W功率。
- 80W LED工矿灯取代150W金卤灯,每只灯能节省70W功率。
- 100W LED工矿灯取代250W金卤灯,每只灯能节省150W功率。
- 每天工作24小时,每年工作365天,每年工作8760小时。
- 60W LED工矿灯每年可以节约350度电。
- 80W LED工矿灯每年可以节约613度电。
- 100W LED工矿灯每年可以节约1314度电。
- 可以减少替换次数5次。
- 60W LED HIGHBAY replaces 100W metal halide, each saves 40W energy.
- 80W LED HIGHBAY replaces 150W metal halide, each saves 70W energy.
- 100W LED HIGHBAY replaces 250W metal halide, each saves 150W energy.
- Work 24 hours every day, 365 days every year and 8760 hours every year.
- 60W LED HIGHBAY Saves 350 kWh electricity every year.
- 80W LED HIGHBAY Saves 613 kWh electricity every year.
- 100W LED factory and mining illumination Saves 1314 kWh electricity every year.
- Reduces 5 times for replacement

订货指南/Order Guide

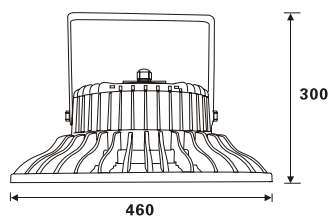
 产品ERP编码 Product Code	 额定电压 Rated Voltage	 最大工作电压 Max Operation voltage range	 功率 Power	 替换 高压钠灯 功率(W) Replaces Watts	 线路功率 Circuit Power	 功率因数 Power Factor	 显色指数 CRI	 光通量 Flux	 色温 CCT	 发光角度 Beam Angle	设计寿命 Life	颜色 Color	IP等级 IP Rating
HQLF60/221/GC23 60W													
2521670001	AC220-240	AC100-240	60	100	70	≥0.9	75	4000	3000	90	50000	WW	Ip54
2521670002	AC220-240	AC100-240	60	100	70	≥0.9	75	4200	4000	90	50000	NW	Ip54
2521670003	AC220-240	AC100-240	60	100	70	≥0.9	75	4500	6500	90	50000	CW	Ip54
HQLF80/221/GC24 80W													
2521605001	AC220-240	AC100-240	75	150	88	≥0.9	75	5200	3000	45	50000	WW	Ip54
2521605002	AC220-240	AC100-240	75	150	88	≥0.9	75	5600	4000	45	50000	NW	Ip54
2521605003	AC220-240	AC100-240	75	150	88	≥0.9	75	6000	6500	45	50000	CW	Ip54
HQLF100/221/GC25 100W													
2521606001	AC220-240	AC100-240	85	250	100	≥0.9	75	7500	3000	45	50000	WW	Ip54
2521606002	AC220-240	AC100-240	85	250	100	≥0.9	75	8000	4000	45	50000	NW	Ip54
2521606003	AC220-240	AC100-240	85	250	100	≥0.9	75	8400	6500	45	50000	CW	Ip54

LED 工矿灯/LED HIGH BAY

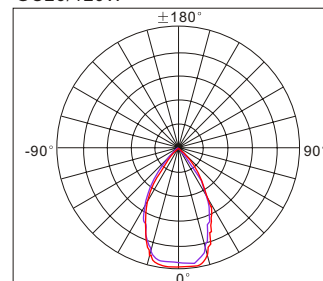
GC26 GC27 GC28



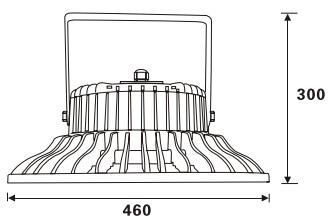
HQLF120/221/GC26 120W



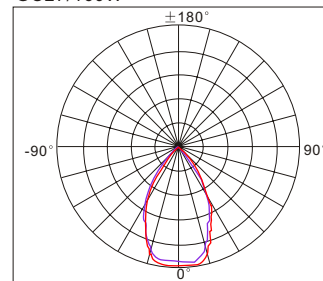
GC26/120W



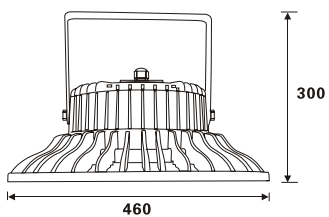
HQLF160/221/GC27 160W



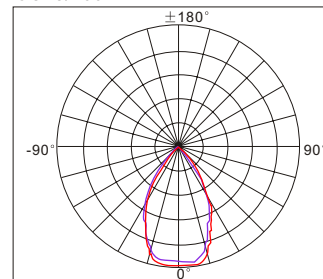
GC27/160W



HQLF200/221/GC28 200W

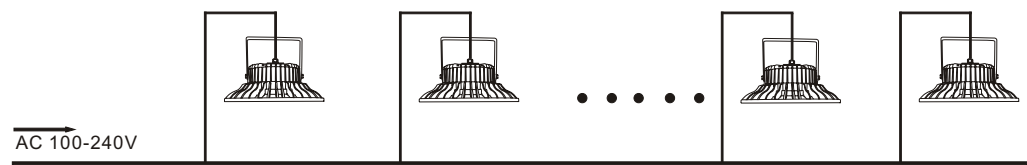


GC28/200W



LED 工矿灯/LED HIGH BAY

工矿灯接线图 /High bay wiring diagram



节能计算/Energy conservation

- 120W / 160W LED工矿灯取代250W金卤灯,每只灯能节省130W / 90W功率。
- 200W LED工矿灯取代400W金卤灯,每只灯能节省200W 功率。
- 每天工作24小时, 每年工作365天, 每年工作8760小时。
- 120W / 160W LED工矿灯每年可以节约 1051度 / 727度电。
- 200W LED工矿灯每年可以节约1726度电。
- 可以减少替换次数5次。
- 120W/160W LED HIGHBAY replaces 250W metal halide, each saves 150W energy.
- Work 24 hours every day, 365 days every year and 8760 hours every year.
- 120W / 160W LED factory and mining illumination Saves 1051 k/727k Wh electricity every year.
- 200W LED HIGHBAY Saves 1726kWh electricity every year.
- Reduces 5 times for replacement.

订货指南/Order Guide

ERP	V	V	W	替换 高压钠灯 功率(W) Replaces Watts	W	PF	Ra	LM	K	发光角度 Beam Angle	h	颜色 Color	IP
产品ERP编码 Product Code	额定电压 Rated Voltage	最大工作电压 Max Operation Voltage range	功率 Power		线路功率 Circuit Power	功率因数 Power Factor	显色指数 CRI	光通量 Flux	色温 CCT		设计寿命 Life		IP等级 IP Rating
HQLF120/221/GC26 120W													
---	AC220-240	AC100-240	115	250	130	≥0.9	75	10660	3000	60	50000	WW	Ip54
---	AC220-240	AC100-240	115	250	130	≥0.9	75	10920	4000	60	50000	NW	Ip54
---	AC220-240	AC100-240	115	250	130	≥0.9	75	11310	6500	60	50000	CW	Ip54
HQLF160/221/GC27 160W													
---	AC220-240	AC100-240	148	250	167	≥0.9	75	13694	3000	60	50000	WW	Ip54
---	AC220-240	AC100-240	148	250	167	≥0.9	75	14028	4000	60	50000	NW	Ip54
---	AC220-240	AC100-240	148	250	167	≥0.9	75	14529	6500	60	50000	CW	Ip54
HQLF200/221/GC28 200W													
---	AC220-240	AC100-240	180	400	203	≥0.9	75	16646	3000	60	50000	WW	Ip54
---	AC220-240	AC100-240	180	400	203	≥0.9	75	17052	4000	60	50000	NW	Ip54
---	AC220-240	AC100-240	180	400	203	≥0.9	75	17661	6500	60	50000	CW	Ip54

LED 工矿灯

LED HIGH BAY

产品特点/Characteristic

- 采用原装进口高亮度的LED光芯，光衰低，使用寿命长。
- 透镜配用高强度菱晶聚合碳纤维透光罩，高透光，低眩光，光色均匀。
- 反光罩镀膜处理，有效提升20%光效。
- 散热器采用高纯度的铝型材，散热效果好。
- 结构紧凑、灯体轻巧，外观简洁大方、节能、环保，免维护。
- Adopted recessed metal COB chip, low lumens depreciation and long service life.
- Adopted high intensity carbon fiber optical len: high light transmission, low glare with even and gentle light effect.
- Plating treatment on reflector, increase 20% luminous efficiency
- Adopted New heat sink material, excellent heat dissipation.
- Compact structure with stylish appearance, maintenance-free, energy-saving and environmentally friendly.



适用环境/Applications

- 体育场、码头、工厂、加油站、作坊、商场，等照明。
- stadium, dock, factory, gas station, shopping mall and stores etc.



超强散热设计

轻巧坚固，用最小的重量实现最大散热面积，快速散热。

Professional heat dissipation design

Using light and maximum heat dissipation to faster cooling.

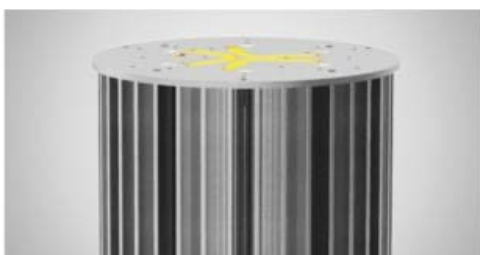


超挂钩配钢丝绳

铝合金挂钩配钢丝绳安装，强度高、韧性好、安全可靠。

aluminum hook and steel wire

Safe and reliable installation with high strength aluminum hook and steel wire.



阳极氧化

整灯外表经阳极氧化处理，可适应于重工业严酷的环境和那些有苛刻要求的场所。

Anodizing

It can apply to harsh environment after anodizing.



密闭式灯罩

铝透明PC灯罩透光率高，阻燃耐磨，抗氧化性强，加配硅胶垫圈，防止灰尘进入。

Closed cover

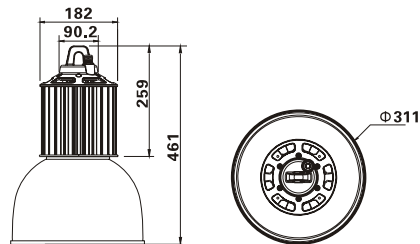
Using transparent and high transmittance PC cover with silicone gasket to keep dust out.

LED 工矿灯/LED HIGH BAY

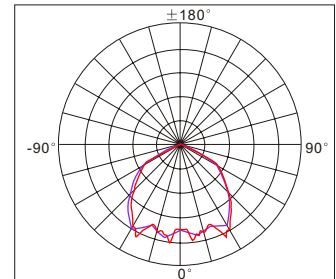
GC60A GC80A GC100A GC150A



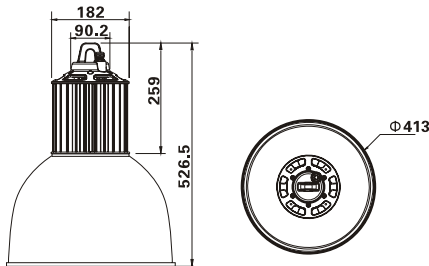
HQLF60/221/GC60A 60W



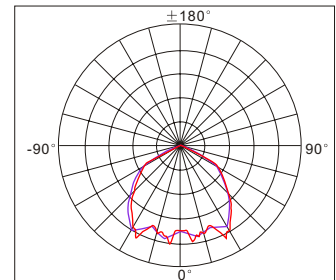
GC60A/60W



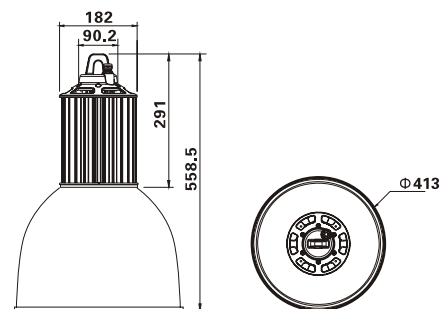
HQLF80/221/GC80A 80W



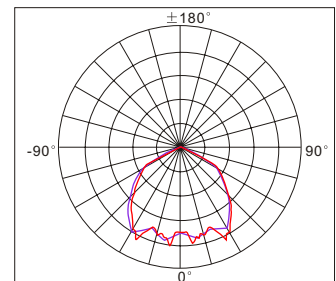
GC80A/80W



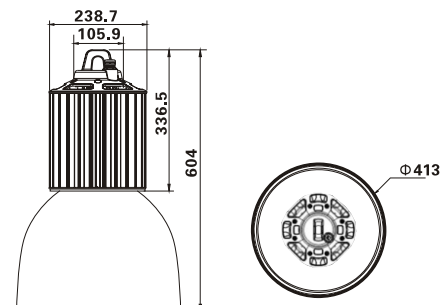
HQLF100/221/GC100A 100W



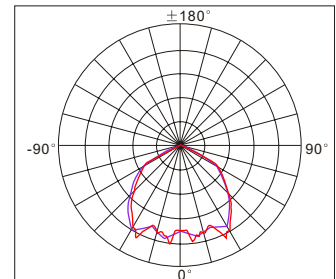
GC100A/100W



HQLF150/221/GC150A 150W



GC150A/150W

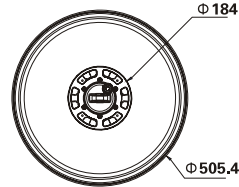
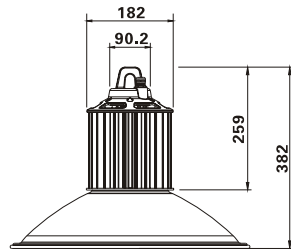


LED 工矿灯/LED HIGH BAY

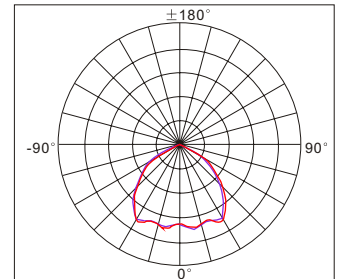
GC60B GC80B GC100B GC150B



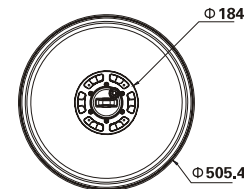
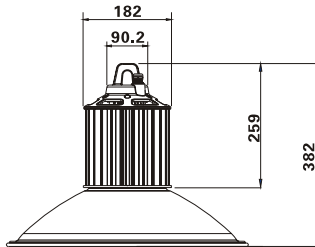
HQLF60/221/GC60B 60W



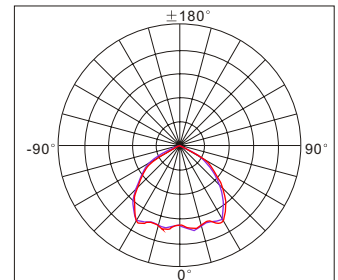
GC60B/60W



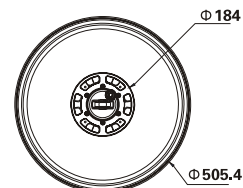
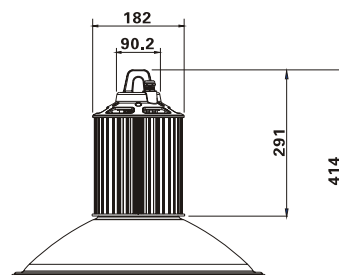
HQLF80/221/GC80B 80W



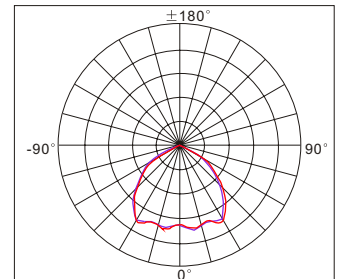
GC80B/80W



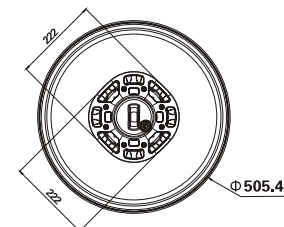
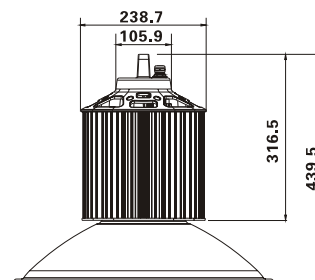
HQLF100/221/GC100B 100W



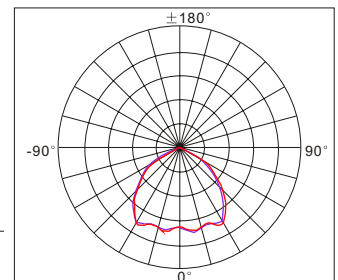
GC100B/100W



HQLF150/221/GC150B 150W



GC150B/150W

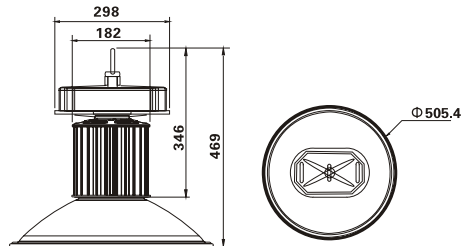


LED 工矿灯/LED HIGH BAY

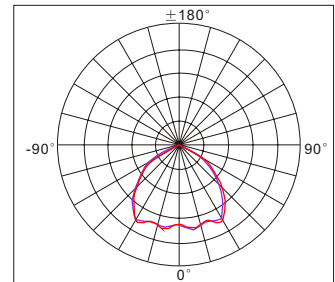
GC80C GC100C GC150C GC200C



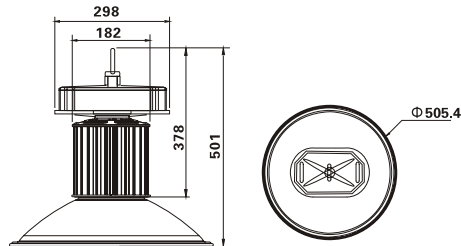
HQLF80/221/GC80C 80W



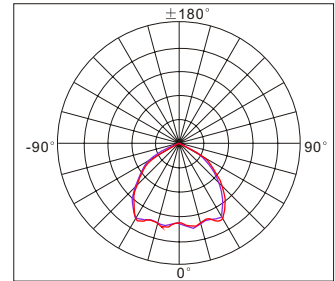
GC80C/80W



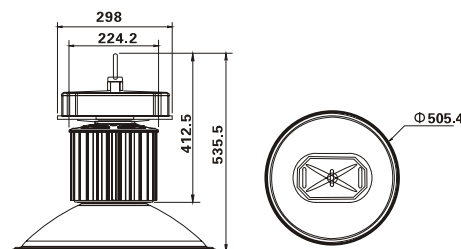
HQLF100/221/GC100C 100W



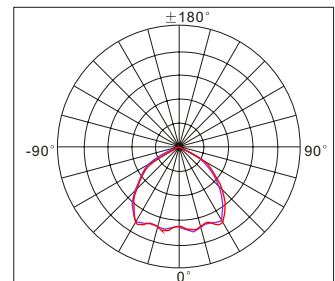
GC100C/100W



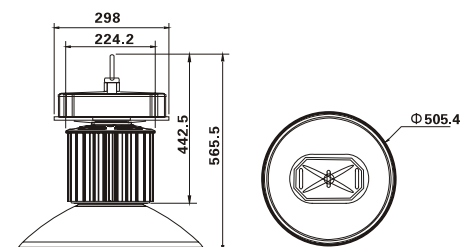
HQLF150/221/GC150C 150W



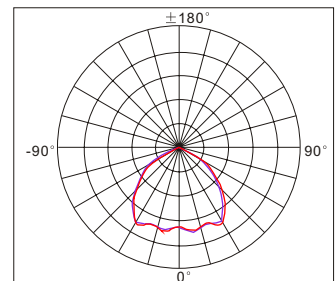
GC150C/150W



HQLF200/221/GC200C 200W

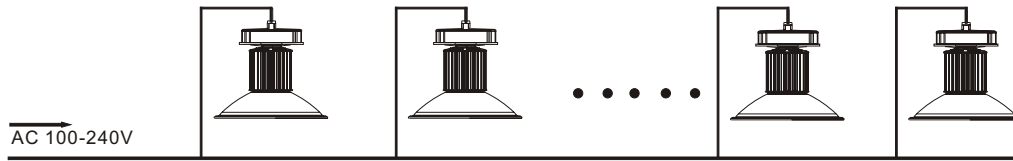


GC200C/200W



LED 工矿灯/LED HIGH BAY

工矿灯接线图 / High bay wiring diagram



订货指南/Order Guide

ERP 产品ERP编码 Product Code	V 额定电压 Rated Voltage	V 最大工作电压 Max Operation voltage range	W 功率 Power	W 线路功率 Circuit Power	Ra 显色指数 CRI	PF 功率因数 Power Factor	LM 光通量 Flux	K 色温 CCT	▲ 发光角度 Beam Angle	h 设计寿命 Life	Color 颜色	IP IP等级 IP Rating
HQLF60/221/GC60A 60W												
---	AC220-240	AC100-240	57	67	75	≥0.95	5025	3000	120	50000	WW	IP54
---	AC220-240	AC100-240	57	67	75	≥0.95	5360	4000	120	50000	NW	IP54
---	AC220-240	AC100-240	57	67	75	≥0.95	5695	6500	120	50000	CW	IP54
HQLF80/221/GC80A 80W												
---	AC220-240	AC100-240	75	88	75	≥0.95	6600	3000	120	50000	WW	IP54
---	AC220-240	AC100-240	75	88	75	≥0.95	7040	4000	120	50000	NW	IP54
---	AC220-240	AC100-240	75	88	75	≥0.95	7480	6500	120	50000	CW	IP54
HQLF100/221/GC100A 100W												
---	AC220-240	AC100-240	95	108	75	≥0.95	8100	3000	120	50000	WW	IP54
---	AC220-240	AC100-240	95	108	75	≥0.95	8640	4000	120	50000	NW	IP54
---	AC220-240	AC100-240	95	108	75	≥0.95	9180	6500	120	50000	CW	IP54
HQLF150/221/GC150A 150W												
---	AC220-240	AC100-240	141	161	75	≥0.95	12075	3000	120	50000	WW	IP54
---	AC220-240	AC100-240	141	161	75	≥0.95	12880	4000	120	50000	NW	IP54
---	AC220-240	AC100-240	141	161	75	≥0.95	13685	6500	120	50000	CW	IP54
HQLF60/221/GC60B 60W												
---	AC220-240	AC100-240	57	67	75	≥0.95	5025	3000	110	50000	WW	IP54
---	AC220-240	AC100-240	57	67	75	≥0.95	5360	4000	110	50000	NW	IP54
---	AC220-240	AC100-240	57	67	75	≥0.95	5695	6500	110	50000	CW	IP54
HQLF80/221/GC80B 80W												
---	AC220-240	AC100-240	75	88	75	≥0.95	6600	3000	110	50000	WW	IP54
---	AC220-240	AC100-240	75	88	75	≥0.95	7040	4000	110	50000	NW	IP54
---	AC220-240	AC100-240	75	88	75	≥0.95	7480	6500	110	50000	CW	IP54
HQLF100/221/GC100B 100W												
---	AC220-240	AC100-240	95	108	75	≥0.95	8100	3000	110	50000	WW	IP54
---	AC220-240	AC100-240	95	108	75	≥0.95	8640	4000	110	50000	NW	IP54
---	AC220-240	AC100-240	95	108	75	≥0.95	9180	6500	110	50000	CW	IP54
HQLF150/221/GC150B 150W												
---	AC220-240	AC100-240	141	161	75	≥0.95	12075	3000	110	50000	WW	IP54
---	AC220-240	AC100-240	141	161	75	≥0.95	12880	4000	110	50000	NW	IP54
---	AC220-240	AC100-240	141	161	75	≥0.95	13685	6500	110	50000	CW	IP54
HQLF80/221/GC80C 80W												
---	AC220-240	AC100-240	75	88	75	≥0.95	6600	3000	110	50000	WW	IP54
---	AC220-240	AC100-240	75	88	75	≥0.95	7040	4000	110	50000	NW	IP54
---	AC220-240	AC100-240	75	88	75	≥0.95	7480	6500	110	50000	CW	IP54
HQLF100/221/GC100C 100W												
---	AC220-240	AC100-240	95	108	75	≥0.95	8100	3000	110	50000	WW	IP54
---	AC220-240	AC100-240	95	108	75	≥0.95	8640	4000	110	50000	NW	IP54
---	AC220-240	AC100-240	95	108	75	≥0.95	9180	6500	110	50000	CW	IP54
HQLF150/221/GC150C 150W												
---	AC220-240	AC100-240	141	161	75	≥0.95	12075	3000	110	50000	WW	IP54
---	AC220-240	AC100-240	141	161	75	≥0.95	12880	4000	110	50000	NW	IP54
---	AC220-240	AC100-240	141	161	75	≥0.95	13685	6500	110	50000	CW	IP54
HQLF200/221/GC200C 200W												
---	AC220-240	AC100-240	189	214	75	≥0.95	16050	3000	110	50000	WW	IP54
---	AC220-240	AC100-240	189	214	75	≥0.95	17120	4000	110	50000	NW	IP54
---	AC220-240	AC100-240	189	214	75	≥0.95	18190	6500	110	50000	CW	IP54

LED 工矿灯/LED HIGH BAY



产品特点/Characteristic

- 采用高亮度的 3030 LED 作为光源，均匀分布，具有热阻小、热量分散传导，光衰小，寿命长的特点。
 - LED 光源板与铝压铸散热器紧密接触，通过整体铝压铸件和铝罩与空气对流散热，更大散热面积可更好的将热量导出，保证灯具工作稳定。
 - 铝罩配光是光输出容易控制在合理的角度范围内，提高了灯具出光效果的均匀性和光能的利用率，突出了 LED 灯具明显节能优势。
 - 采用高透明钢化玻璃，减少光通量输出损耗，同时保护灯珠不易吸附灰尘，免除清洁困难。
 - 灯具出光柔和、光斑均匀，无眩光。
 - 配套优质电源，可靠性好，效率高，耗损功率小，温升低，可保证长期能稳定工作。
- 电气绝缘等级：Class II



- Using 3030 LED, which are low heat and degradation, but long life.
- LED panel and aluminum radiator are close together, can cooling down quickly.
- By using aluminum cover to control the light output in a reasonable range, which can improve the luminous efficiency.
- Using high transparent toughened glass, reduce the light loss and keep the dust out.
- Even and gentle light effect without glare.
- By using high quality driver, the product is more stable.
- Electrical insulation class: Class II

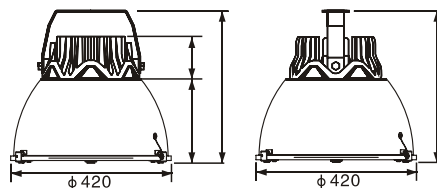
适用环境/Applications

- 体育场、码头、工厂、加油站、作坊、商场，等照明。
- stadium, dock, factory, gas station, shopping mall and stores etc.

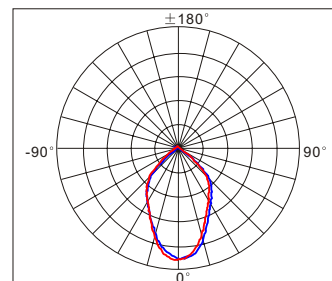
GC60 GC80



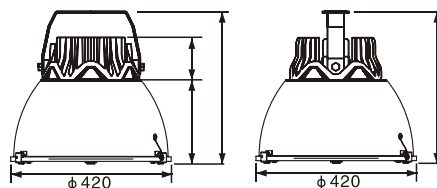
HQLF60/122/GC60 60W



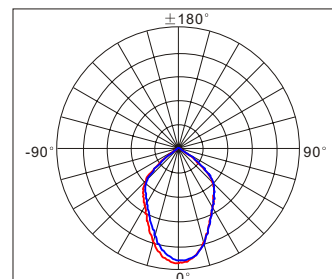
GC60/60W



HQLF80/122/GC80 80W



GC80/80W

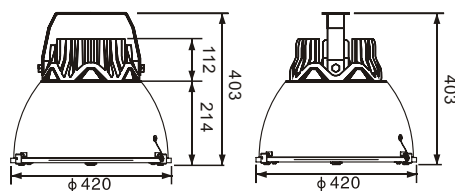


LED 工矿灯/LED HIGH BAY

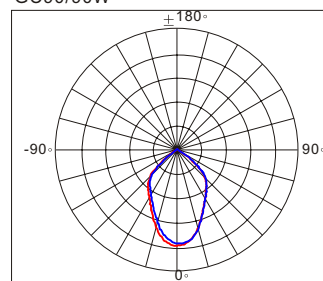
GC90 GC100 GC120 GC150



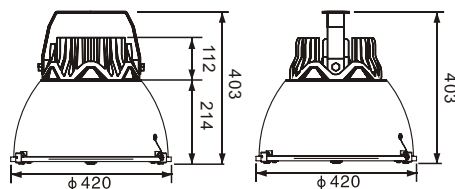
HQLF90/122/GC90 90W



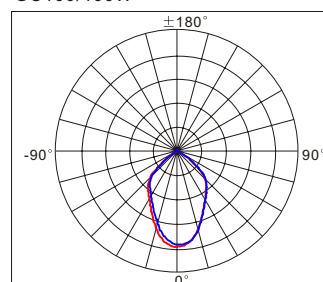
GC90/90W



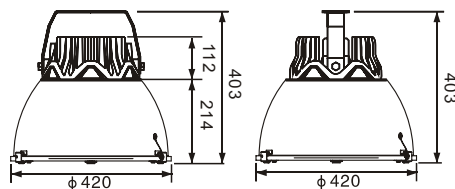
HQLF100/122/GC100 100W



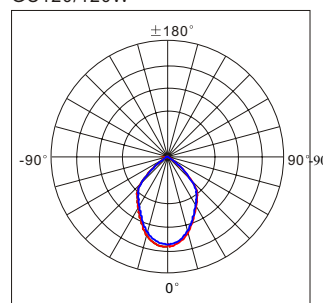
GC100/100W



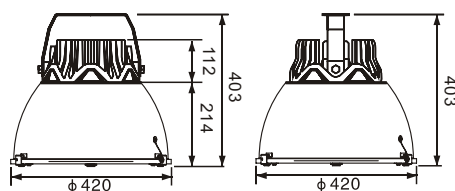
HQLF120/122/GC120 120W



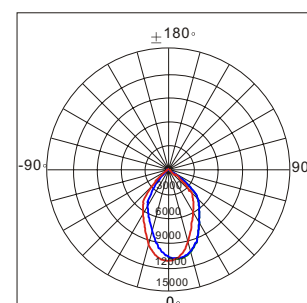
GC120/120W



HQLF150/122/GC150 150W



GC150/150W 70°

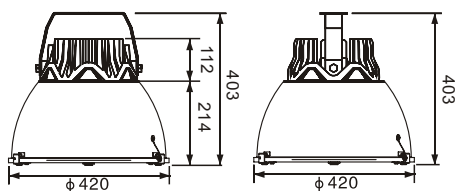


LED 工矿灯/LED HIGH BAY

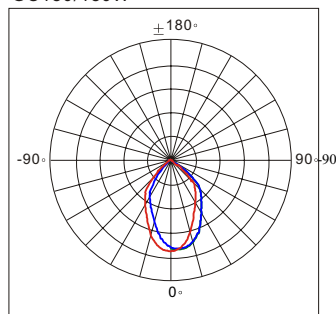
GC180 GC200 GC250



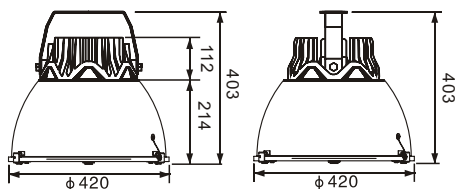
HQLF180/122/GC180 180W



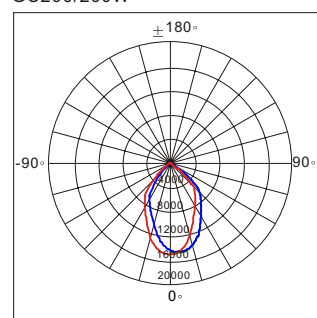
GC180/180W 78°



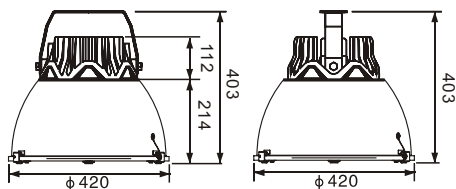
HQLF200/122/GC200 200W



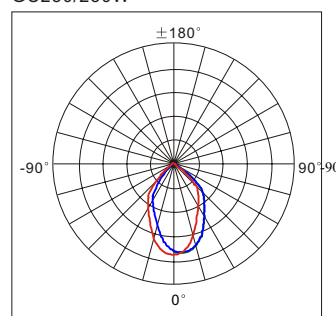
GC200/200W 78°



HQLF250/122/GC250 250W



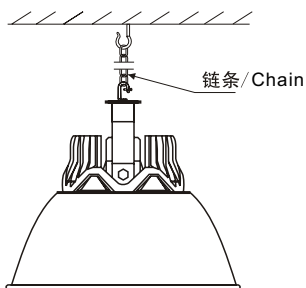
GC250/250W 78°



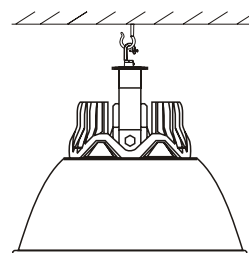
产品安装/Product Install

安装高度: 6-12m(吊索及固定杆)
Installation height:
6-12m (with sling and fixed link)

吊链式/Chain

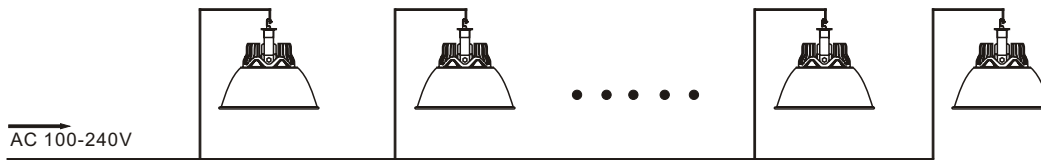


挂钩式/hook



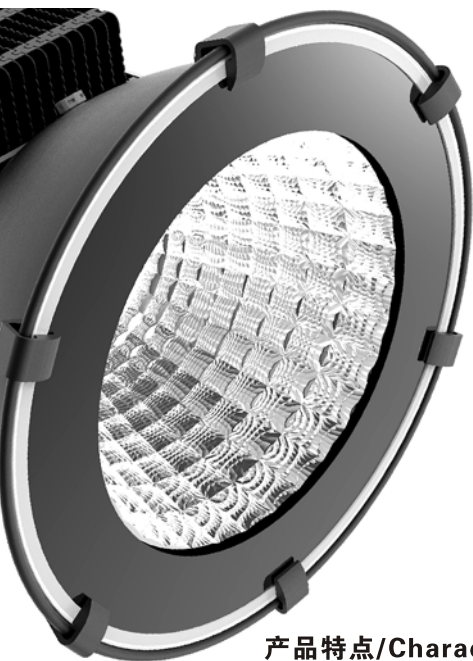
LED 工矿灯/LED HIGH BAY

工矿灯接线图 /High bay wiring diagram



订货指南/Order Guide

 额定电压 Rated Voltage	 最大工作电压 Max. Operation voltage range	 功率 Power	 线路功率 Circuit Power	 显色指数 CRI	 功率因数 Power Factor	 光通量 Flux	 色温 CCT	 发光角度 Beam Angle	 可选角度 Optional Angle	 设计寿命 Life	 颜色 Color	 IP等级 IP Rating
HQLF60/122/GC60 60W												
AC100-240	AC90-264V	49×1.1	56	>80	≥0.95	5470	3000	110	45°/ 60°/ 85°	50000	WW	IP54
AC100-240	AC90-264V	49×1.1	56	>80	≥0.95	5638	4000	110	45°/ 60°/ 85°	50000	NW	IP54
AC100-240	AC90-264V	49×1.1	56	>80	≥0.95	5734	5000	110	45°/ 60°/ 85°	50000	CW	IP54
HQLF80/122/GC80 80W												
AC100-240	AC90-264V	70×1.1	86	>80	≥0.95	8143	3000	110	45°/ 60°/ 85°	50000	WW	IP54
AC100-240	AC90-264V	70×1.1	86	>80	≥0.95	8400	4000	110	45°/ 60°/ 85°	50000	NW	IP54
AC100-240	AC90-264V	70×1.1	86	>80	≥0.95	8669	5000	110	45°/ 60°/ 85°	50000	CW	IP54
HQLF90/122/GC90 90W												
AC100-240	AC90-264V	84×0.95	90	>80	≥0.95	8550	3000	110	45°/ 60°/ 85°	50000	WW	IP54
AC100-240	AC90-264V	84×0.95	90	>80	≥0.95	9000	4000	110	45°/ 60°/ 85°	50000	NW	IP54
AC100-240	AC90-264V	84×0.95	90	>80	≥0.95	9450	5000	110	45°/ 60°/ 85°	50000	CW	IP54
HQLF100/122/GC100 100W												
AC100-240	AC90-264V	112×0.79	96	>80	≥0.95	10200	3000	110	45°/ 60°/ 85°	50000	WW	IP54
AC100-240	AC90-264V	112×0.79	96	>80	≥0.95	10487	4000	110	45°/ 60°/ 85°	50000	NW	IP54
AC100-240	AC90-264V	112×0.79	96	>80	≥0.95	10776	5000	110	45°/ 60°/ 85°	50000	CW	IP54
HQLF120/122/GC120 120W												
AC100-240	AC90-264V	112×0.95	119	>80	≥0.95	11305	3000	110	45°/ 60°/ 85°	50000	WW	IP54
AC100-240	AC90-264V	112×0.95	119	>80	≥0.95	11662	4000	110	45°/ 60°/ 85°	50000	NW	IP54
AC100-240	AC90-264V	112×0.95	119	>80	≥0.95	12019	5000	110	45°/ 60°/ 85°	50000	CW	IP54
HQLF150/122/GC150 150W												
AC100-240	AC90-264V	133×1.0	150	>80	≥0.95	14246	3000	110	45°/ 60°/ 85°	50000	WW	IP54
AC100-240	AC90-264V	133×1.0	150	>80	≥0.95	14700	4000	110	45°/ 60°/ 85°	50000	NW	IP54
AC100-240	AC90-264V	133×1.0	150	>80	≥0.95	15135	5000	110	45°/ 60°/ 85°	50000	CW	IP54
HQLF180/122/GC180 180W												
AC100-240	AC90-264V	224×0.72	183	>80	≥0.95	17385	3000	110	45°/ 60°/ 85°	50000	WW	IP54
AC100-240	AC90-264V	224×0.72	183	>80	≥0.95	18300	4000	110	45°/ 60°/ 85°	50000	NW	IP54
AC100-240	AC90-264V	224×0.72	183	>80	≥0.95	19215	5000	110	45°/ 60°/ 85°	50000	CW	IP54
HQLF200/122/GC200 200W												
AC100-240	AC90-264V	224×0.79	201	>80	≥0.95	19095	3000	110	45°/ 60°/ 85°	50000	WW	IP54
AC100-240	AC90-264V	224×0.79	201	>80	≥0.95	20100	4000	110	45°/ 60°/ 85°	50000	NW	IP54
AC100-240	AC90-264V	224×0.79	201	>80	≥0.95	21105	5000	110	45°/ 60°/ 85°	50000	CW	IP54
HQLF250/122/GC250 250W												
AC100-240	AC90-264V	280×0.75	240	>80	≥0.95	22800	3000	110	45°/ 60°/ 85°	50000	WW	IP54
AC100-240	AC90-264V	280×0.75	240	>80	≥0.95	24000	4000	110	45°/ 60°/ 85°	50000	NW	IP54
AC100-240	AC90-264V	280×0.75	240	>80	≥0.95	25200	5000	110	45°/ 60°/ 85°	50000	CW	IP54



LED大功率工矿灯系列

HIGH POWER LED HIGH BAY LIGHT SERIES



产品特点/Characteristic

- 高效散热：创新热管+鳍片散热方式，快速散热；
- 支架角度216°：216°调节，照射角度随意变化；
- 反光率92%：极大提高亮度，节能又增光；
- 纯铜热管：快速降温，延长光源寿命；
- 重量轻：高导热率铝片材打造，更精致、更轻巧；
- 安装方便：螺杆锁附式简便安装，维护方便。
- 专业设计：时尚质感，专注散热器设计。

• 216° adjustable angle

13 flexible positions makes project angle can be adjusted within 216°.

• Copper heatpipe

By riveting the heatpipe to the fins, the heatpipe can conduct heat rapidly from chips bottom to the fins, greatly lower down the temperature of light so urce, extending its life span.

• Respirator design

Waterproof design, eliminating mist, avoiding condensation, improving quality, extending the life span.

• 92% reflective rate

Reflector's beam angel 62° ,Reflective rate could reach up to 92%.

适用环境/Applications

- 适用于工厂、体育馆、亮化工程、广场、高尔夫球场、船舶、机场、地铁、商业场所、立交桥、户外广告、地标建筑等外墙面全景照明。
- Suitable for external panoramic lighting of factory, stadium, lighting projects, squares, golf course, ships, airports, subway, commercial places, overpasses, outdoor advertising, landmark building etc.



3000K



4000K



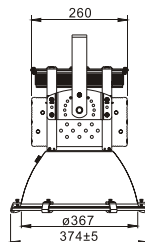
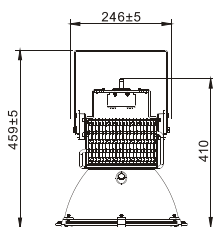
6500K



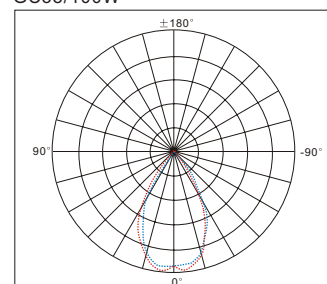
GC38 GC37



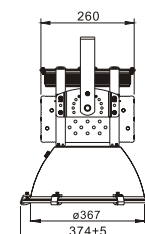
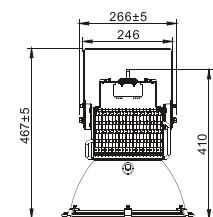
HQLF100/221/GC38 100W



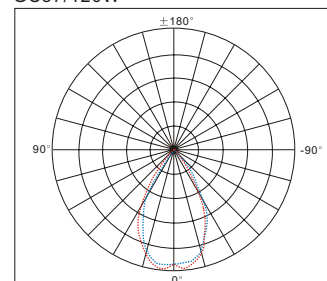
GC38/100W



HQLF120/221/GC37 120W



GC37/120W

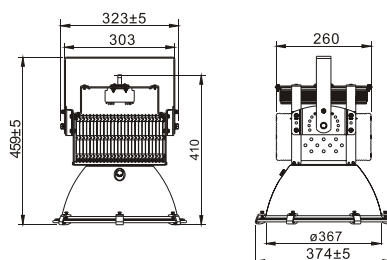


LED 工矿灯/LED HIGH BAY

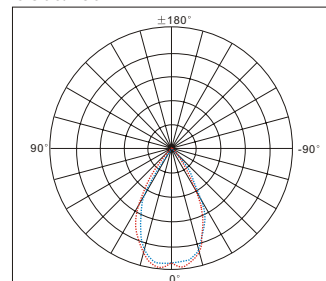
GC36 GC35 GC34 GC33



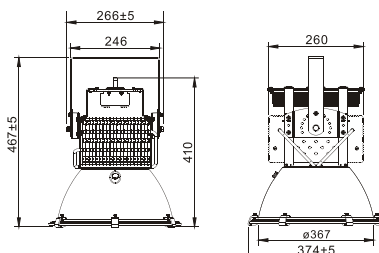
HQLF150/221/GC36 150W



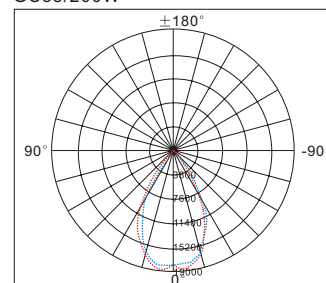
GC36/150W



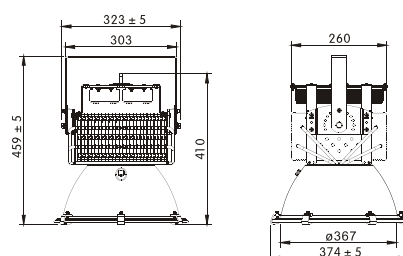
HQLF200/221/GC35 200W



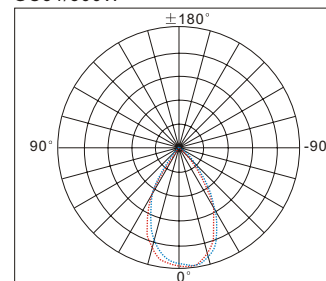
GC35/200W



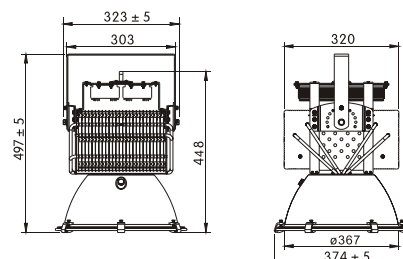
HQLF300/221/GC34 300W



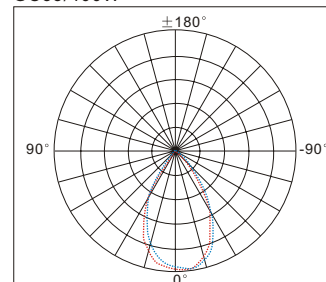
GC34/300W



HQLF400/221/GC33 400W



GC33/400W

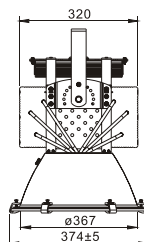
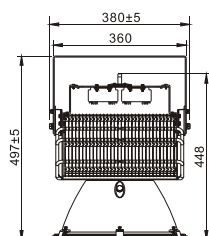


LED 工矿灯/LED HIGH BAY

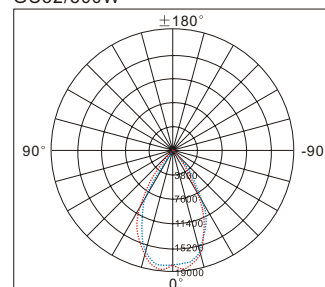
GC32



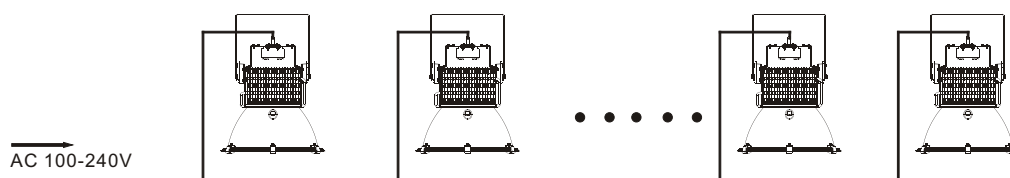
HQLF500/221/GC32 500W



GC32/500W

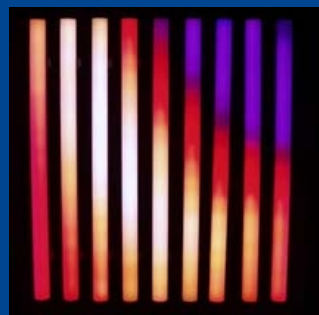


接线图 /wiring diagram



订货指南/Order Guide

 产品ERP编码 Product Code	 额定电压 Rated Voltage	 最大工作电压 Max.Operation voltage range	 功率 Power	 线路功率 Circuit Power	 功率因数 Power Factor	 显色指数 CRI	 光通量 Flux	 色温 CCT	 发光角度 Beam Angle	 设计寿命 Life	 颜色 Color	 IP等级 IP Rating	
HQLF100/221/GC38 100W													
---	AC220-240	AC100-240	100	114	≥0.9	75	9690	3000	60	50000	WW	IP65	
---	AC220-240	AC100-240	100	114	≥0.9	75	10260	4000	60	50000	NW	IP65	
---	AC220-240	AC100-240	100	114	≥0.9	75	11400	6500	60	50000	CW	IP65	
HQLF120/221/GC37 120W													
---	AC220-240	AC100-240	120	136	≥0.9	75	11560	3000	60	50000	WW	IP65	
---	AC220-240	AC100-240	120	136	≥0.9	75	12240	4000	60	50000	NW	IP65	
---	AC220-240	AC100-240	120	136	≥0.9	75	13600	6500	60	50000	CW	IP65	
HQLF150/221/GC36 150W													
---	AC220-240	AC100-240	150	167	≥0.9	75	14195	3000	60	50000	WW	IP65	
---	AC220-240	AC100-240	150	167	≥0.9	75	15030	4000	60	50000	NW	IP65	
---	AC220-240	AC100-240	150	167	≥0.9	75	16700	6500	60	50000	CW	IP65	
HQLF200/221/GC35 200W													
---	AC220-240	AC100-240	200	223	≥0.9	75	18955	3000	60	50000	WW	IP65	
---	AC220-240	AC100-240	200	223	≥0.9	75	20070	4000	60	50000	NW	IP65	
---	AC220-240	AC100-240	200	223	≥0.9	75	22300	6500	60	50000	CW	IP65	
HQLF300/221/GC34 300W													
---	AC220-240	AC100-240	280	310	≥0.9	75	26350	3000	60	50000	WW	IP65	
---	AC220-240	AC100-240	280	310	≥0.9	75	27900	4000	60	50000	NW	IP65	
---	AC220-240	AC100-240	280	310	≥0.9	75	31000	6500	60	50000	CW	IP65	
HQLF400/221/GC33 400W													
---	AC220-240	AC100-240	370	410	≥0.9	75	34850	3000	60	50000	WW	IP65	
---	AC220-240	AC100-240	370	410	≥0.9	75	36900	4000	60	50000	NW	IP65	
---	AC220-240	AC100-240	370	410	≥0.9	75	41000	6500	60	50000	CW	IP65	
HQLF500/221/GC32 500W													
---	AC220-240	AC100-240	480	530	≥0.9	75	45050	3000	60	50000	WW	IP65	
---	AC220-240	AC100-240	480	530	≥0.9	75	47700	4000	60	50000	NW	IP65	
---	AC220-240	AC100-240	480	530	≥0.9	75	53000	6500	60	50000	CW	IP65	





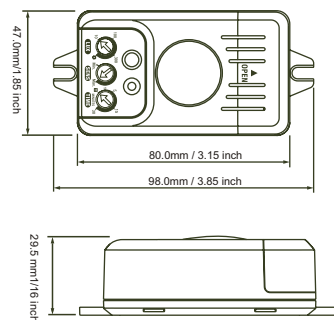
LED Controller Series LED 控制器系列



雷达感应器

LED Sensor Unit

HQ-690

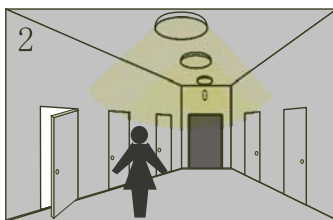


HQ-690系列感应器为5.8GHz高频微波感应器(又称雷达感应器), 该感应器除具备常规感应器的功能外, 还同时具有0/1~10VDC调光控制输出, 可在待机状态时将灯光亮度自动渐暗至10%~30%的亮度, 特别适合车库、医院、仓库、展厅等场所的灯光控制。

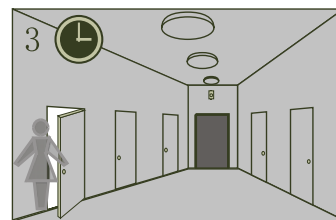
HQ-690 sensor is 5.8GHz high frequency microwave sensor (also known as radar sensor). This sensor is not only with the same functions of conventional one, but also with function of dimming control output which can automatically turn down the brightness to 10~30 degree during standby mode. This is very suitable for the light control in garages, hospitals, warehouses, exhibition halls and other places



当白天走廊光线充足时, 感应器自动进入休眠状态, 无论走廊内是否有人活动, 灯均不会被点亮。
When the corridor is full of light in daytime, the sensor automatically enters sleep mode; regardless of anyone move around in the corridor, the lights won't be lit.



夜晚光线不足时, 感应器自动转入检测状态, 当有人进入走廊时, 灯被自动点亮, 且人在走廊内活动期间灯不会熄灭。
When the light is insufficient at night, the sensor automatically turns to detect mode; when anyone enters the corridor, the lights will automatically turn on and won't go out during the period of a man moves around in the corridor.



人离开走廊后, 感应器在设定的延迟时间结束前, 未检测到任何人体活动, 将自动关闭照明灯具。
After the man leaves the corridor but before the end of the set delay time, if not detect any human activity, the light will be automatically turned off.

二 性能特点/Function characteristic

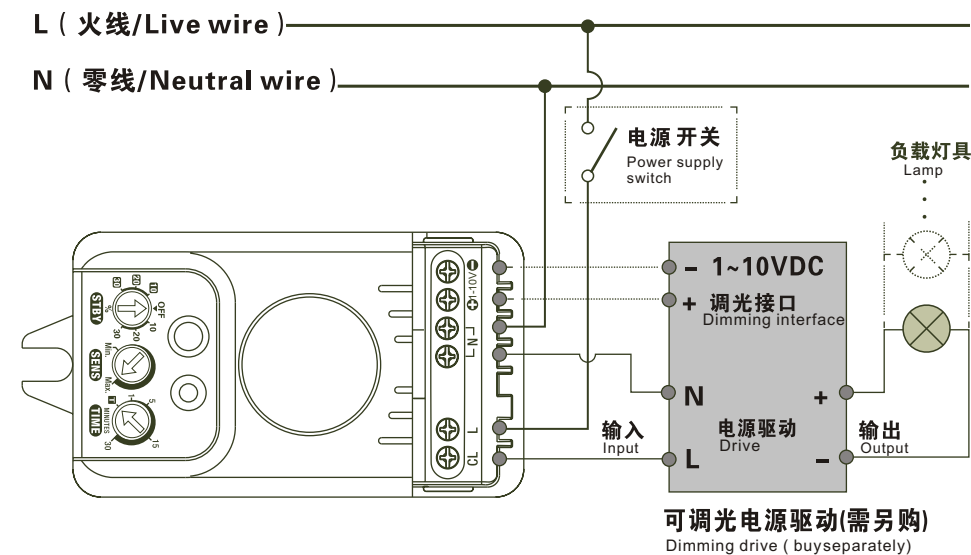
- 高抗干扰: 该微波感应器具有极高的可靠性和环境适应性, 高温、风、声音、气流、灯光、雾、烟、灰尘等环境均不会对感应器的侦测功能造成影响。
- 高灵敏度: 高频微波感应器对移动物体的探测具有较高的灵敏度, 即使微小的动作也能被感应器及时捕捉, 如抬起或放下手臂、转身、弯腰等。同时, 微波感应没有方向性的差异, 任何方向的运动均能被有效感应。
- 可隐蔽性安装: 微波感应器对非金属物体具有良好的穿透性, 如塑料、玻璃、木板等, 基于此特性, 可将感应器安装于灯具内部或其它隐蔽的位置。
- 零点触发技术: 该感应器采用过零触发技术, 确保每次感应开关时, 内部继电器在正弦交流电“相电压为零”处进行吸合, 有效防止电弧的产生, 确保安全的同时, 更有效延长感应器使用寿命。
- High Noise Resistance: This microwave sensor is with high reliability and environmental adaptability. Environment with high temperature, wind, sound, air, light, fog, smoke, dust won't affect the detect function of sensor.
- High sensitivity: high-frequency microwave sensor is of high sensitivity to the detection of moving object, even for slight movements like raising or lowering arms, turning around, bending down. Meanwhile, there are no differences in directivity for the sensor; motion in any direction can be effectively induced.
- Installation can be hidden: microwave sensor is of good penetration for non-metallic objects like plastic, glass, wood etc. Base on this feature, the sensor can be installed inside the lamp or other hidden locations
- Installation can be hidden: microwave sensor is of good penetration for non-metallic objects like plastic, glass, wood etc. Base on this feature, the sensor can be installed inside the lamp or other hidden locations
- Zero cross trigger technology: this sensor adopts zero trigger technology to ensure internal relay is plug-in at the place where sinusoidal AC "phase voltage is zero" when the sensor turns on and off; to effectively prevent arcing and ensure safety and effectively extend sensor life.

RGB恒压控制器/RGB Constant Voltage Controller

性能参数/Function parameters

HQ-690																
输入/输出电压 Voltage	230±10% 50/60Hz															
待机功耗 Power consumption	≤ 0.6W															
微波频率 Microwave frequency	5.8Ghz ±75MHz 连续雷达波/continuous radar wave, ISM 波段/wave band															
发射功率 Transmitting power	< 0.2mW															
使用环境 Operating environment	室内使用, 适于天花板安装/Indoor use, suitable for ceiling installation															
安装高度 Installation height	天花板(ceiling) : 2~5m / 墙面(wall): 1~2.5m															
感应范围 Sensing range	天花板(ceiling): 2~8m@360° / 墙面(wall):3~12m@180°															
延迟时间 Delay Control	1 ~ 30 分钟可调/ Up to 30 minutes Microwave															
环境亮度触发条件 Ambient brightness triggering condition	<table><tr><td>1</td><td>ON-OFF模式 ON-OFF mode</td><td colspan="2">当环境亮度< 2Lux时, 1)有感应时, 灯100%全亮; 2)无感应时, 灯完全熄灭。 When ambient brightness<2Lux, 1) Lamps 100% lighten with induction 2) Lamps all turn off without induction</td></tr><tr><td>2</td><td>两段模式 Two-pattern mode</td><td colspan="2">感应器不检测环境亮度, 1)有感应时, 灯100%全亮; 2)无感应时, 灯渐暗至设定的亮度(10%, 20%或30%)。 When sensor doesn't detect ambient brightness, Lamps 100% lighten with induction 2) Lamps dim to the set brightness(10%, 20% or 30%)</td></tr><tr><td>3</td><td>三段模式 Three-pattern mode</td><td colspan="2">当环境亮度< 30Lux时, 1)有感应时, 灯100%全亮; 2)无感应时, 灯渐暗至设定的亮度(10%, 20%或30%); 3)环境亮度>LuxOFF时完全熄灭。 When ambient brightness<30Lux, 1) Lamps 100% lighten with induction. 2) Lamps dim to the set brightness(10%, 20% or 30%). 3) When ambient brightness >Lux off, lamps all turn off.</td></tr></table> 				1	ON-OFF模式 ON-OFF mode	当环境亮度< 2Lux时, 1)有感应时, 灯100%全亮; 2)无感应时, 灯完全熄灭。 When ambient brightness<2Lux, 1) Lamps 100% lighten with induction 2) Lamps all turn off without induction		2	两段模式 Two-pattern mode	感应器不检测环境亮度, 1)有感应时, 灯100%全亮; 2)无感应时, 灯渐暗至设定的亮度(10%, 20%或30%)。 When sensor doesn't detect ambient brightness, Lamps 100% lighten with induction 2) Lamps dim to the set brightness(10%, 20% or 30%)		3	三段模式 Three-pattern mode	当环境亮度< 30Lux时, 1)有感应时, 灯100%全亮; 2)无感应时, 灯渐暗至设定的亮度(10%, 20%或30%); 3)环境亮度>LuxOFF时完全熄灭。 When ambient brightness<30Lux, 1) Lamps 100% lighten with induction. 2) Lamps dim to the set brightness(10%, 20% or 30%). 3) When ambient brightness >Lux off, lamps all turn off.	
1	ON-OFF模式 ON-OFF mode	当环境亮度< 2Lux时, 1)有感应时, 灯100%全亮; 2)无感应时, 灯完全熄灭。 When ambient brightness<2Lux, 1) Lamps 100% lighten with induction 2) Lamps all turn off without induction														
2	两段模式 Two-pattern mode	感应器不检测环境亮度, 1)有感应时, 灯100%全亮; 2)无感应时, 灯渐暗至设定的亮度(10%, 20%或30%)。 When sensor doesn't detect ambient brightness, Lamps 100% lighten with induction 2) Lamps dim to the set brightness(10%, 20% or 30%)														
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调光亮度及调光输出值 Adjustable brightness and brightness output value	<table><tr><td>调光亮度 Adjustable brightness</td><td>10%</td><td>20%</td><td>30%</td><td>OFF</td></tr><tr><td>1-10VDC输出 1-10VDC output</td><td>1.5V</td><td>2V</td><td>3V</td><td>/</td></tr></table>				调光亮度 Adjustable brightness	10%	20%	30%	OFF	1-10VDC输出 1-10VDC output	1.5V	2V	3V	/		
调光亮度 Adjustable brightness	10%	20%	30%	OFF												
1-10VDC输出 1-10VDC output	1.5V	2V	3V	/												
开关类型 Switch type	继电器 (开关触电容: 10A 277VAC)/Relay(Rated Load : 10A 277VAC)															
白炽灯 Incandescent lamp	1000W															
节能灯 Energy saving lamp	200W															
LED 灯 LED lamp	200W															
工作温度 Operating temperature	0 ~ +60° C															
储藏温度 Storage temperature	-20 ~ +80° C, 10 ~ 95% RH															
产品尺寸 Measurement	98.0 x 47.0 x 38.5 mm (3.85 x 1.85 x 1.50 inch)															

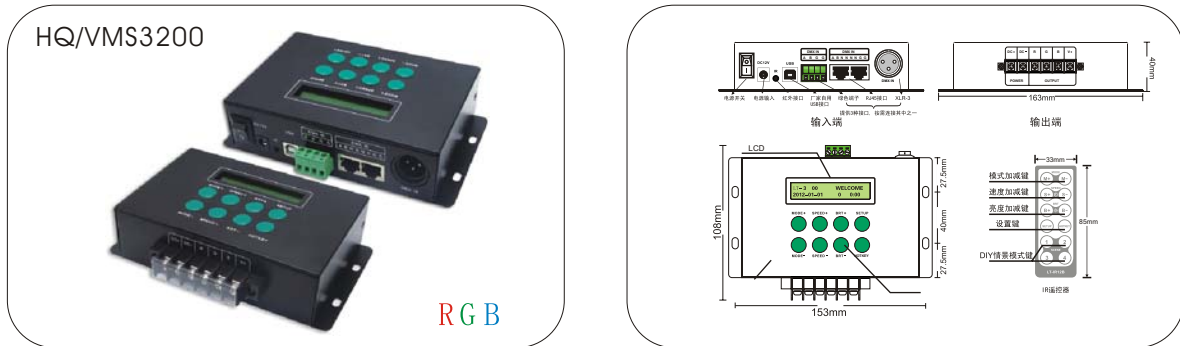
四 连线示意图/Connect diagram



HQ controller is a multifunctional LED controller with LCD interface, which is used to control the four-wire three-loop (common anode) RGB colorchanging LED lights. There are more than 39 function modes for selection and can receive DMX512 signal control programming. Also can work as stand-alone, self online, receive standard DMX512 console control.

RGB 恒压控制器

LED Constant Voltage Controller



HQ/VMS3200控制器是一款LCD液晶数码界面显示，用于控制四线三回路（共阳极）LED灯的RGB颜色变化，多达39种功能模式选择，同时可接受DMX512信号编程控制的多功能LED控制器。可单机运行、自联机、接收标准DMX512控台控制等方式工作。

一 性能参数/Function parameters

HQ/VMS3200		
输入电源 Input voltage	DC12V~DC24V	
最大负载电流 Max Load current	8A/路 × 3路 / 8A/CH x3 Max 24A	
最大负载功率 Max load power	288W/576W(12V/24V)	
功能模式 Function mode	39种模式/ 39 changing modes	
DMX512标准 DMX512 standard	DMX512/1990	
DMX512插座 DMX512 Socket	XLR-3, RJ45, 绿色端子/ XLR-3, RJ45, Green terminal	
遥控距离 Remote control distance	100米/100m	
工作温度 Work temperature	-30 ~65	
产品尺寸 Dimension	L163×W108 ×H40mm	
包装尺寸 Package size	L260×W132×H46mm	
重量(毛重) Weight(G.W)	750g	

二 性能特点/Function characteristic

- LCD液晶屏菜单界面显示，所有功能在LCD上均有操作提示，操作更简单方便。
- 内建万年历，实时显示系统时钟；可设置任意时间、周一到周日、节假日播放不同节目。
- 内部具有单色常亮，七彩跳变，渐变，频闪等28种灯光变化模式。
- 多级变化速度、亮度、RGB灰度级调整选择。
- 可自由定义内部的多种变化模式为一个步骤，最多可定义8个独立的循环的步骤。
- 支持多种DMX信号输入接口：XLR-3公母，RJ45，绿色端子。
- Built-in a LCD screen, easy to set up parameters;
- Built-in perpetual calendar, real-time display system clock, can be set up to play different programs in any time, Monday to Sunday or holiday.
- 28 lighting modes, such as, single color brightness, color change, color smooth, and color strobe, etc.
- Multilevel changing speed, brightness and RGB grey scale adjustment for your choices, 256 brightness levels per RGB (16.77 million static colors).
- Feel free to define many changing modes into a step, 8 independent cycle steps maximum.
- Support different input ports like standard XLR-3, RJ45 and Green terminals, etc.

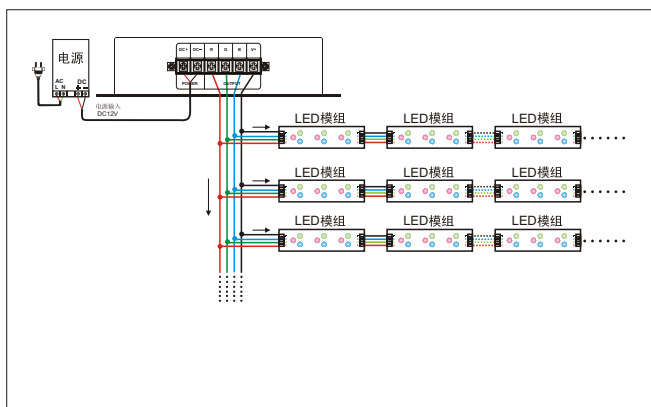
RGB恒压控制器/RGB Constant Voltage Controller

三 产品适配信息/Product applications

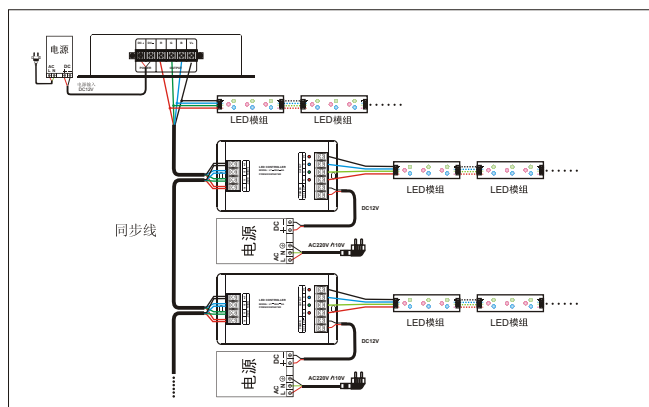
- 恒压型的RGB模组/灯具。
- Comply with SPI/TTL communication standard LED lamp.

四 连线示意图/Connect diagram

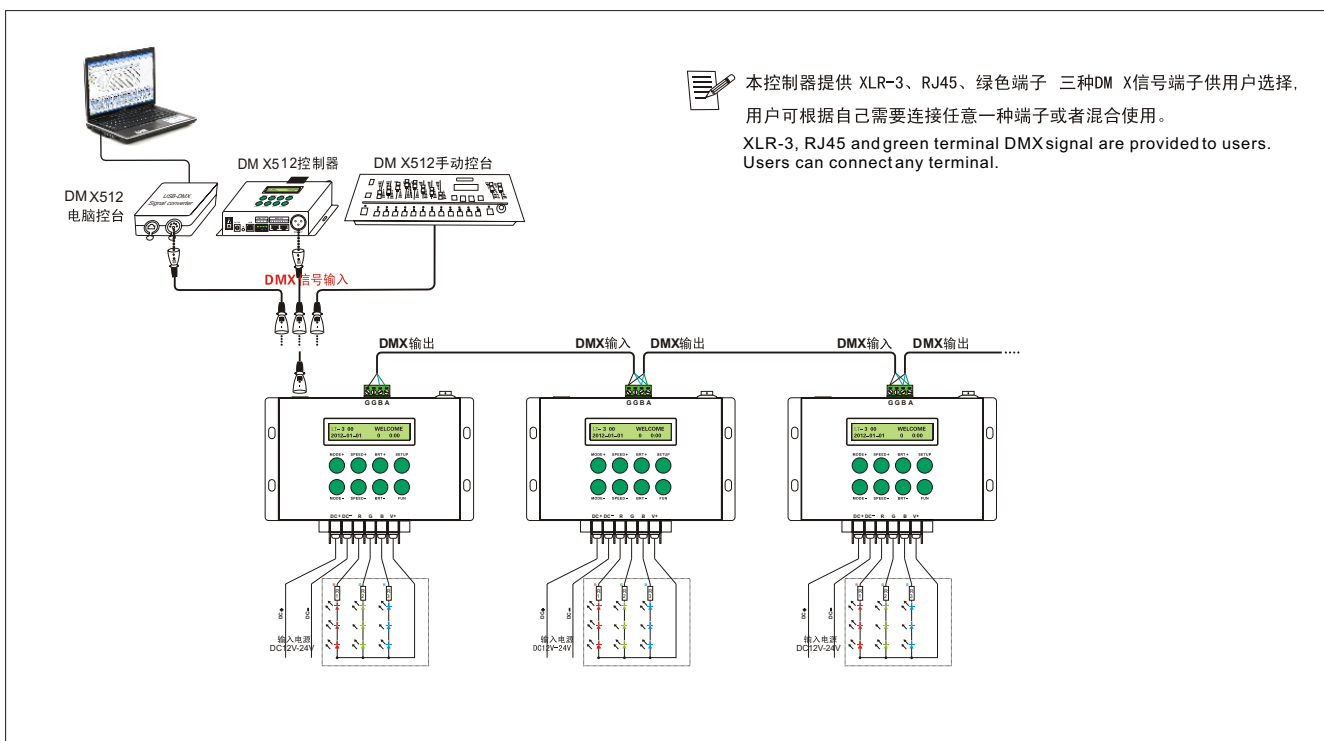
- 1、下图追逐全彩RGB LED模组为例。
Full color RGB chasing LED mode.



- 2、若单台控制器功率不够，可增加功率扩展器放大输出功率。
When the control power is not enough, please add power expender to magnified the power.



- 3、外接DMX512控台或者DMX512电脑控台连接示意图。
Connect diagram for external connection of DMX512 or DMX512 computer controller.



RGB恒压控制器/RGB Constant Voltage Controller

HQ/VMS3150



HQ/VMS3150 LED控制器是一款通用型高性能的整体变色功率型控制器，采用先进的PWM（脉宽调制）控制技术可控制所有四线三回路（共阳极）LED全彩灯饰产品。其中HQ/VMS3150/RF 是一款配有RF遥控器，能接收遥控器的控制，有效遥控器距离为30米（无障碍物）。

The LED multifunctional controller HQ/VMS150 is the overall change of power controller for a general-purpose high performance, using advanced PWM control technology, can control all four line three loop full-color LED lighting products. The HQ/VMS150/RF is controller with RF, that can control the lighting in 30-meter (without any stumbling block).

一 性能参数/Function parameters

HQ/VMS3150	
输入电源 Input voltage	DC5V - DC24V
最大负载电流 Max load current	6A/路 × 3路 / 6A/CH x3 Max18A
最大负载功率 Max output power	90W(5V) 220W(12V) 450W(24V)
功能模式 Function mode	39种模式 / 39 types
变化模式选择 Change mode selector	17种 / 17 types
灰度级 Gray scale	RGB各256级/RGB each 256 types
速度选择 Speed selector	8级 / 8 class
整体亮度调节 Dimming	8级 / 8 class
工作温度 Work temperature	-30℃~65℃
产品尺寸 Dimension	L211×W40×H30(mm)
包装尺寸 Package size	L211×W40×H30(mm)
重量(毛重)Weight(G.W)	180g

二 性能特点/Function characteristic

- 自动适应DC5-24V工作电压范围内的LED灯具。
- RGB三通道各256级灰度，渐变效果细腻柔和，无闪烁。
- 17种变化模式，有渐变、跳变、跑马、频闪...等变化效果。
- 可选择静态单色、可调变化速度、LED亮度、带暂停功能。
- 配合功率扩展器联机使用，可无限的放大输出功率。
- Automatically adapt to LED light which works from DC5V-24V .
- 256 levels of grey scale per RGB, even & smooth for color gradual changes, without any flashes.
- 17 fantastic modes such as color smooth, color skipping, horserace, strobe, etc.
- Can stop at static single color, speed & brightness adjustable at pause status.
- Working with power repeater to expand power output unlimitedly.

三 产品适配信息/Product applications

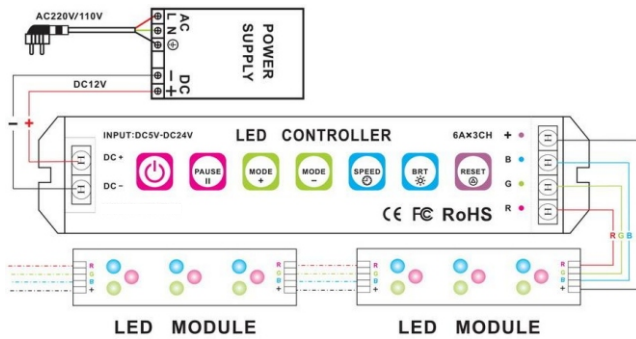
- 恒压型的RGB模组/灯具。
- Constant voltage GRB Mode/lighting fixture.

RGB恒压控制器/RGB Constant Voltage Controller

四 连线示意图/Connect diagram

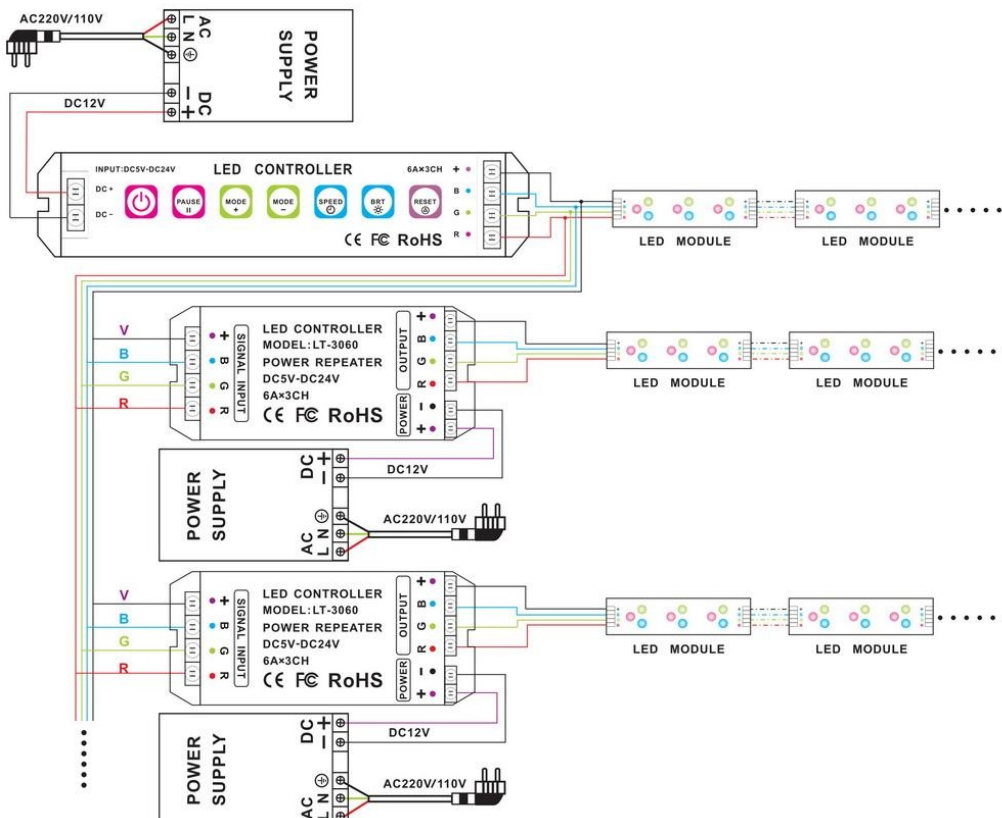
1. 下图以连接全彩RGB LED模组为例

*Full color RGB LED mode



2. 若控制器功率不够,可增加我公司HQ/VMS3150/EP功率扩展器放大功率
GB R

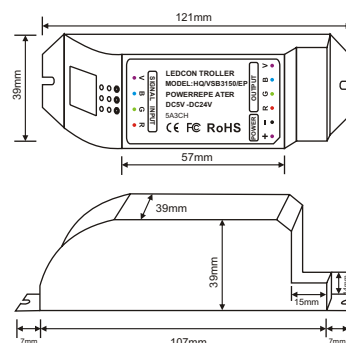
*When the control power is not enough, please add power expender HQ/VMS315/EP to magnified the power. The expender connects the output of controller by series way.



LED恒压功率扩展器/LED Constant Voltage Power Extender



HQ/VSB3150/EP



一 性能参数/Function parameters

HQ/VSB3150/EP	
配套电源 Driver	恒压LED电源
输入电压 Input voltage	DC5V~DC24V
最大负载电流 Max Load current	5A/路X3路 最大15A
输出最大功率 Max Load power	75W(5V) 180W(12V) 360W(24V)
输入信号 Input signal	恒压/恒流PWM
输出信号 Output signal	恒压PWM
适用环境温度 Work temperature	-30℃ ~ 55℃
产品尺寸 Dimension	L121×39×39(mm)
包装尺寸 Package size	L123×42×42(mm)
重量(毛重) Weight(G.W)	100 g

二 性能特点/Function characteristic

- 三通道RGB输出，每路最大可负载5A电流，总电流15A。
- 可接受PWM(脉宽调制)控制。
- 扩展器连接数量理论是无限的，可连接无限的LED数量；
- 同步性不受扩展器连接数量的限制，多台工作永远同步；
- 控制器到扩展器同步信号线连接距离可达500米。
- The three channel RGB output, each of the maximum 5A load current, total current...A.
- Acceptable PWM (pulsewidth modulation) control.
- Expander connection number theory is infinite, can be connected to infinite LEDs.
- Synchronization is not affected by the expansion of the limit to the number of connections, multiple work has been synchronization.
- The controller to the expander synchronous signal wire is connected to a distance of up to 500 meters.

三 产品适配信息/Product applications

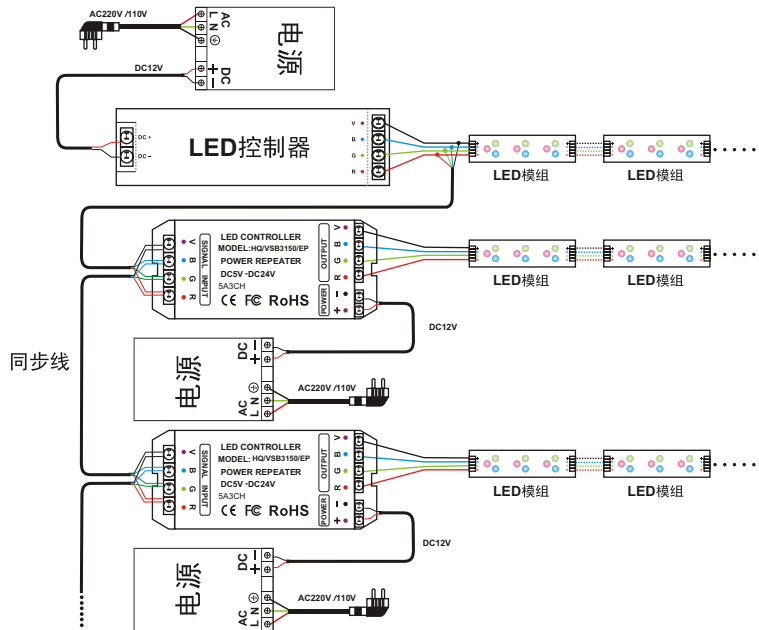
- 恒压型的RGB模组/灯具。
- Constant voltage GRB Mode/lighting fixture.

LED恒压功率扩展器/LED Constant Voltage Power Extender

四 连线示意图/Connect diagram

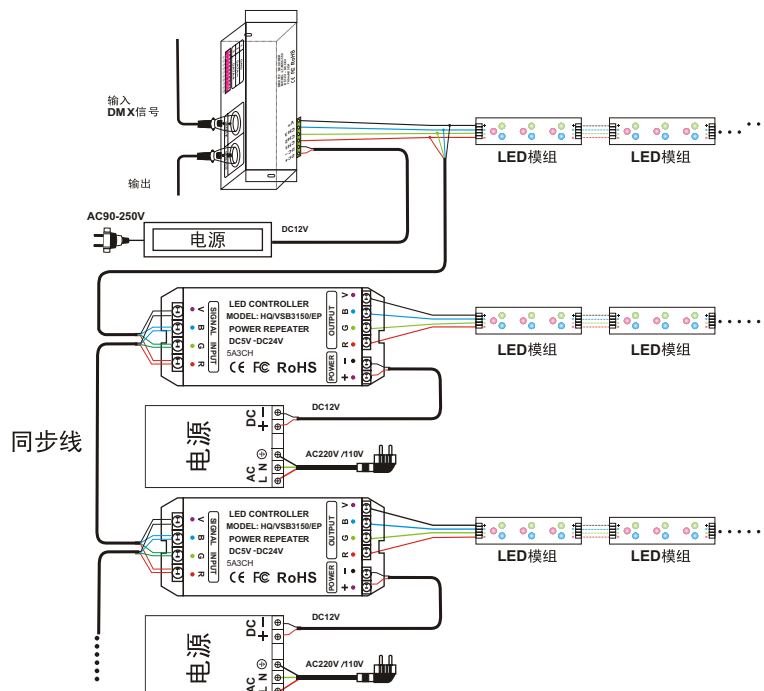
1. 下图为RGB控制器连接恒压功率扩展器示意图

*Wiring picture for RGB controller wired with Constant Voltage Power Extender.



2. 下图为DMX解码器连接恒压功率扩展器示意图

*Wiring picture for DMX decoder wired with Constant Voltage Power Extender.



LED 追逐管控制器

LED Controller for LED strip with Chasing effect

产品简介

HQ/CMS3200 LED数码控制器为LCD液晶菜单界面显示，可通用控制所有基于驱动芯片如常用的：74HC595、DM134、DM135、Sc16722、ZQ9712、MB5026等等型号芯片的LED灯具；多达31种功能模式自由配搭选择，同时可接收DMX512信号控制的多功能LED控制器。

广泛控制如LED数码灯管、点光源、追光软灯条等等的各种LED灯具的追光效果。

HQ/CMS3200LED LED digital controller for LCD liquid crystal display menu interface, can be used to control all the basic driving chip such as the commonly used: LED light chip 74HC595, DM134, DM135, Sc16722, ZQ9712, MB5026 etc., as many as 31 functional modes of free supplement, multifunctional LED controller also can receive DMX512 signal control.

Extensive control such as LED digital tube, a point light source, light lamp, LED lamp light effect.



HQ/CMS3200

一 性能参数/Function parameters

HQ/CMS3200	
工作电压 Work voltage	DC12V (配 AC100 -240V 转 DC12V 适配器)
消耗功率 Loss power	< 2W
输出信号 Output signal	SPI (TTL)
第三方接口 The third connection	DMX512/1990
功能模式 Function mode	31种
控制数量 Control quantity	3200 个像素
产品尺寸 Dimension	L190×W120×H50(mm)
包装尺寸 Package size	L280×W150×H70(mm)
重量 (毛重) Weight(G.W)	1kg

二 性能特点/Function characteristic

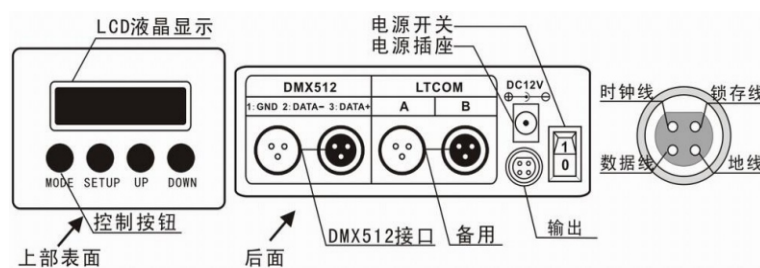
- 可单机控制或DMX512接口远距离控制。
- 30种可选变化效果，可独立配置每种花样的运行参数。
- 编辑自动运行模式，选择指定花样，可设置运行次数。
- 自动存储设置参数，带掉电保护功能。
- 预置参数（出厂参数）重新装入功能。
- Stand-alone remote control or DMX512 interface control.
- 30 optional change effect, can independently configure each kind of pattern of operation parameters.
- Edit automatic operation mode, select the specified pattern, can be set to run times.
- Automatic storage settings, with power-off protection function.
- Preset (factory parameters) to load function.

LED追逐管控制器/LED Controller for LED strip with Chasing effect

三 产品适配信息/Product applications

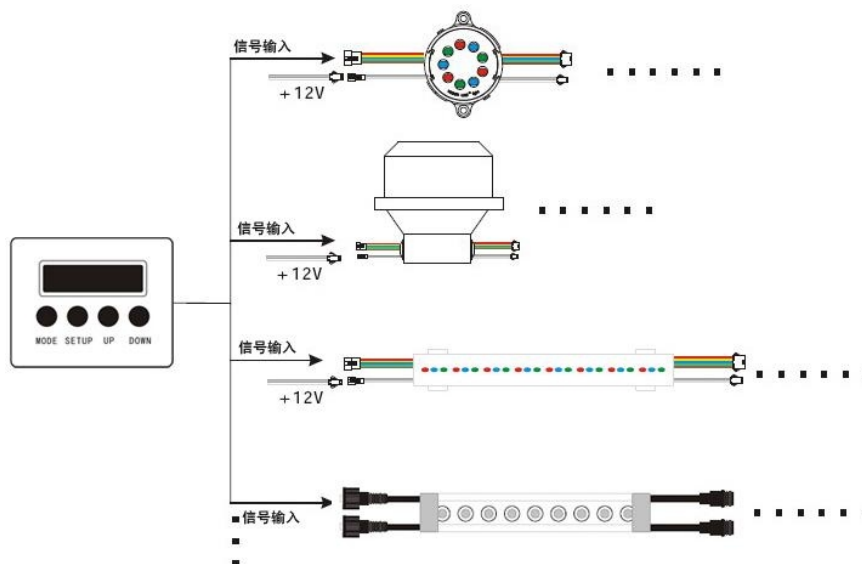
- 符合SPI/TTL信号标准的LED灯具。
- Comply with SPI/TTL communication standard LED lamp.

四 连线示意图/Connect diagram



*下图以控制符合SPI信号标准的LED灯具为例

* Below picture is the sample for controlling LED lighting fixture which meet SPI signal standard.

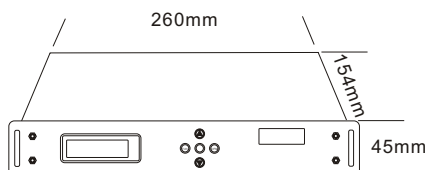


LED视频管控制器

LED Controller for Video Display Effect



HQ/CMS322K/VD



一 性能参数/Function parameters

HQ/CMS322K/VD		
工作电压	work voltage	AC220V $\pm$ 10V 50Hz
消耗功率	power loss	10W
带载功能	load capacity	单机: RGB 8*512pix
		级联: 16*SVE4X512
工作温度	work temperature	-30C $^{\circ}$ ~ 70C $^{\circ}$
外形尺寸	product size	L260 $\times$ W154 $\times$ H45(mm)
重量 (毛重)	Weight(G.W)	1085g

二 性能特点/Function characteristic

- 采用百兆以太网技术, TCP/IP 协议通信, 主机通过标准网线连接LED控制器;
- IP地址设置: 带LCD显示屏, 无拨码开关设计, 所有IP及MAC设置通过按键来完成;
- 控制器内建138M存储器, 用来存放脱机播放的数据;
- 控制方式: 联机控制、脱机控制;
- 每个控制器有八个输出端口, 单口输出控制1024像素;
- 一个级联控制端口, 可级联16个分控, 最多可带载40960个像素点;
- 播放速度: 满载时, 最高速度不小于25帧/秒;
- 灰度设定: 客户可根据灯的情况从无灰度到65536级(64K)灰度之间任意调整, 让你的led灯达到最佳显示效果;
- 亮度调节: 100级亮度自动调节功能让你的显示亮度调节更加有效;
- EMC电磁兼容设计, 具有良好的抗干扰能力;
- Transfer data by 100 megaethernet.TCP/IP protocol. From PC to controller connect by CAT5E.
- IP address, with LCD screen, all IP and MAC are set by keys, no DIP switch.
- Build inside With 128M memory, for saving offline playing data.
- There are 2 Control mode: working from PC, or working from inside memory.
- With 8 output ports. One output port maximum control 1024 pixels.
- With 1 transfer port, can load 16 slave controller, maximum loading 40960 pixels.
- Display speed: more than 25 frame/s when full loading.
- Grey level, user can set the grey level from 0 to 65536 (64k) maximum, so that the LED lighting can realized most suitably status.
- Brightness adjusting, 100 levels auto adjusting to make the brightness adjusting more efficient.
- Accord with EMC electromagnetism compatibility, anti-jamming.

LED视频管控制器/LED Controller for Video Display Effect

三 产品适配信息/Product applications

- 符合SPI/TTL信号标准的LED灯具
- Comply with SPI/TTLcommunication standard LEDlamp.

LED 多功能控制系统是有三部分组成：

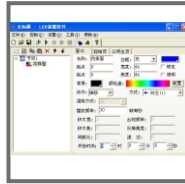
YM Vision LEDmulti-function controller system iscomposed by three parts:



主控制器
Master controller

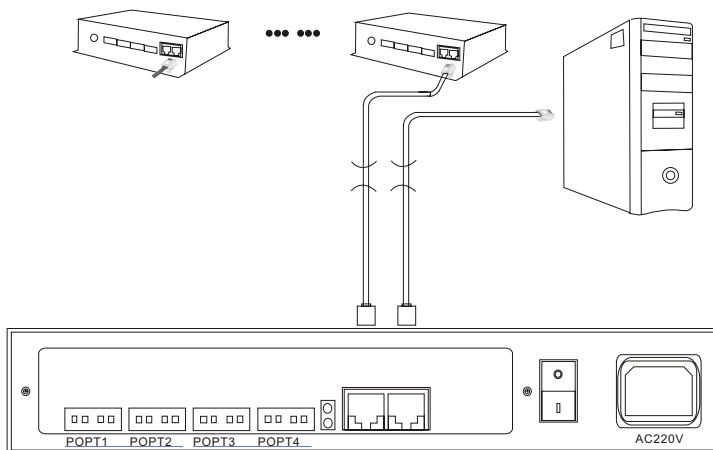


分控制器
Controller division



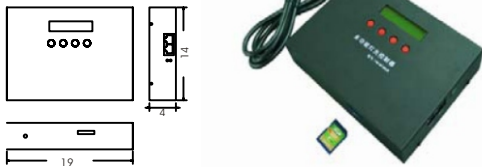
LED演播软件
Lighting demonstrate software

四 连线示意图/Connect diagram



LED视频管控制器/LED Controller for Video Display Effect

主控制器 Main controller
HQ/CMS322K/SD



分控制器 Controller division
HQ/CSB4×512



一 性能参数/Function parameters

HQ/CMS322K/SD	
工作电源 Work voltage	AC220V±10V 50Hz
功耗 Power loss	8W
带载能力 Load capacity	65536点
传输速度 Transportation speed	25M
重量 Weight	1kg
工作温度 Work temperature	-30C° ~ 70C°
外形尺寸 Product size	L190 x W 140 x H 40

HQ/CSB4×512	
工作电源 Work voltage	AC220V±10V 50Hz
功耗 Power loss	5W
带载能力 Load capacity	4x512=2048点
传输速度 Transportation speed	0.5--8M 可调
重量 Weight	1.2kg
工作温度 Work temperature	-30C° ~ 70C°
外形尺寸 Product size	L150 x W 120 x H 41

二 性能特点/Function characteristic

- 主从分布式结构：工程适应能力强，使用灵活简单；
- 超大带载能力：支持高速SD卡（256M--4G Byte），最大可以控制65536个像素(相当于8192米8段数码管)，交流同步功能，多机级联可实现10万点以上的整体控制。
- 控制功能强：可控制各种驱动芯片的灯具，以及各种特殊定制驱动芯片，兼容DMX512标准协议；
- 电气隔离抗干扰能力强：主机与分机、分机与分机隔离，防静电防雷击；
- 超长传输能力：灯光数据传输专利技术可实现主机与主机、分机之间150米通信距离（实测300米）；
- 工程配置灵活：各分机可以独立控制一种灯具，可实现亮度和速度的独立调节；
- 每台分机可以输出4个端口，每个端口最大可控制512像素；
- 个性化软件设计：可灵活配置灯光工程系统，可采用多种方式生成灯光数据，更新数据快捷，施工灵活方便。

- LED 多功能控制器可以控制LED 数码管、点光源、酒吧灯、像素屏、显示屏等各种灯具。
- 可以控制任意尺寸的屏体，简单方便的实现各种规则屏、异形屏、各种灯具混合屏和复杂楼宇轮廓的精确控制。

- Master-slave type distribution structure: engineering application ability, use agile simple;
- Large carrying capacity: support high-speed SD card (256M--4GByte), maximum control of 65536 pixels (equivalent to 8192 meters 8 digital tube), AC synchronous function, multiple cascade can realize 100000 control.
- Strong control function: can control the driver chip, and a variety of special customized driver chip, is compatible with the DMX512 standard protocol.
- Electrical isolation, strong anti-interference ability: the isolation of host and extension, extension and extension, anti-static lightning.
- Long transmission ability: data transmission technology can achieve 150 meters distance of communication between host and host, extension (measured 300 meters).
- The project configuration flexibility: the extension can be controlled independently lamp, can realize the brightness and the speed of the independent regulation.
- Each extension have 4 output ports, each port can control 512 pixels.
- Personalized software design: flexible lighting system, can use a variety of ways to generate light data, updating data fast, flexible and convenient construction.

The application object

- Multifunctional LED controller can control the LED digital tube, a point LED light, light bar, pixel screen, display a variety of LED lamps.
- It can control the arbitrary screen size, simple and convenient to achieve precise control of all kinds of rules, different color screen, screen and various lamps mixed complex building outline.

LED视频管控制器/LED Controller for Video Display Effect

三 产品适配信息/Product applications

- 符合SPI/TTL信号标准的LED灯具
- Comply with SPI/TTL communication standard LED lamp.

LED 多功能控制系统是有三部分组成：

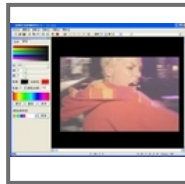
YM Vision LED multi-function controller system is composed by three parts:



主控制器
Master controller



分控制器
Controller division



灯光控制软件
Lighting control software

- 主控制器---自带2路数据输出，目前只开通1路。
- 分控制器---自带4路信号输出，每路最大512像素点；
- 灯光控制软件---编辑客户需要的图形效果转换到SD卡上。
- Master controller---provide 2 channels for data output, can load 32 sets slaver controller
- Controller division---provide 4 channels for signal output, maximum in each channel is 512 pixels.
- Lighting control software---edit the user wanted image effect, transform them to SD card.

控制器支持芯片类型:

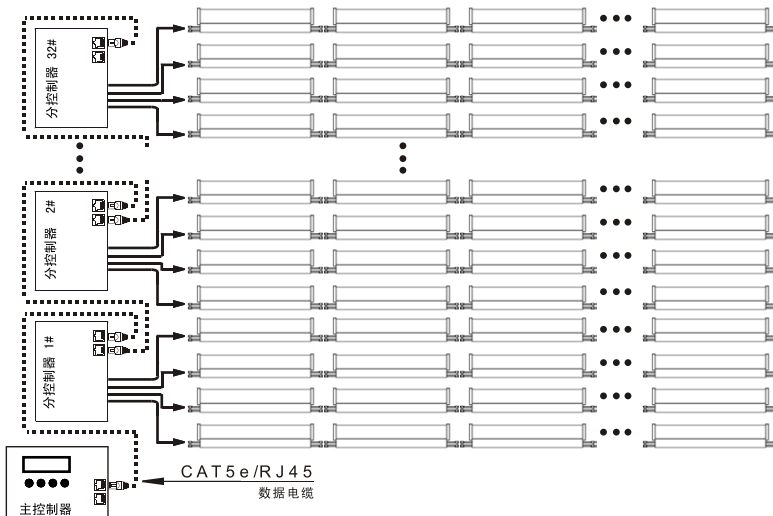
DM114/115/13C/13A/134/ 135/413/412, MBI5026/6020
DMX512 D705, LPD6803/LPD8806, WS2801, SD600,
P2571 TM1803/1804/1809, HL1609, HM5B595 TLS3001/3002/3003

这种软件专门解决各种LED装饰灯具的控制变化花样的制作软件，配合LED灯光造型设置程序，灵活自如的呈现绚丽的变化花样，专业的数据处理算法使得动画制作流畅自如。以电脑截屏、文字输入、Flash播放等方式，将任意格式的视频、文字、动画转换到SD卡上。

- 支持各种图片格式的导入 (*.BMP, *.JPG)；
- 软件自带多种花样的变换动作，如推移、旋转、渐变等；
- 画笔编辑功能；
- 灯光控制效果设置功能，可以把编辑好的花样直接对应到效果图图中去，导出AVI视频文件。
- 可以编辑自己的灯具类型：可独立设置LED驱动芯片的各引脚的控制颜色及排列顺序，即使引脚空闲也照样控制，突破了灯具的任意信号走线限制。
- 不同端口可以设置不同的灯具类型，从而实现一套系统同时控制点光源、数码管、像素屏等。
- 视频采集功能，可以将视频文件直接录制成控制器所需的动画数据。
- 中英文界面切换。

五 连线示意图/Connect diagram

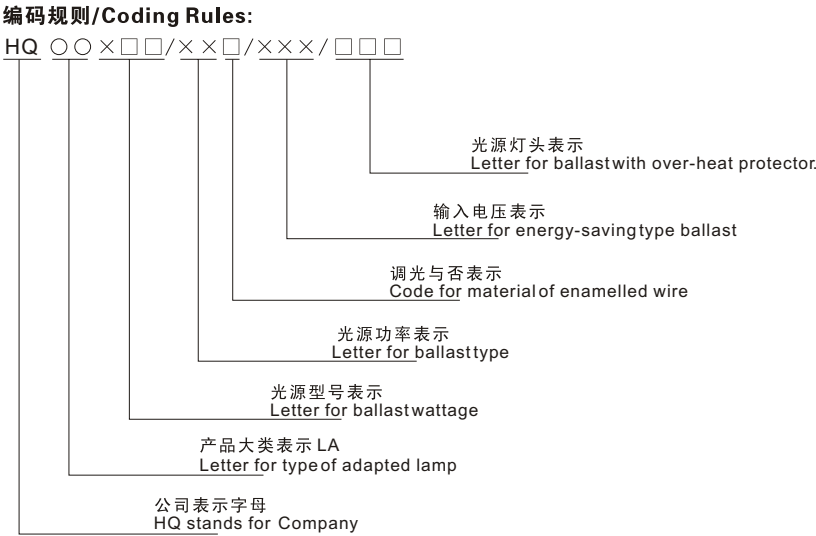
功能流程图(以数码管为例)



LED 照明产品型号及代码 /LED lighting Coding System



LED 光源的型号及代码
The Coding System of LED lamp Models



“LA” 表示LED光源

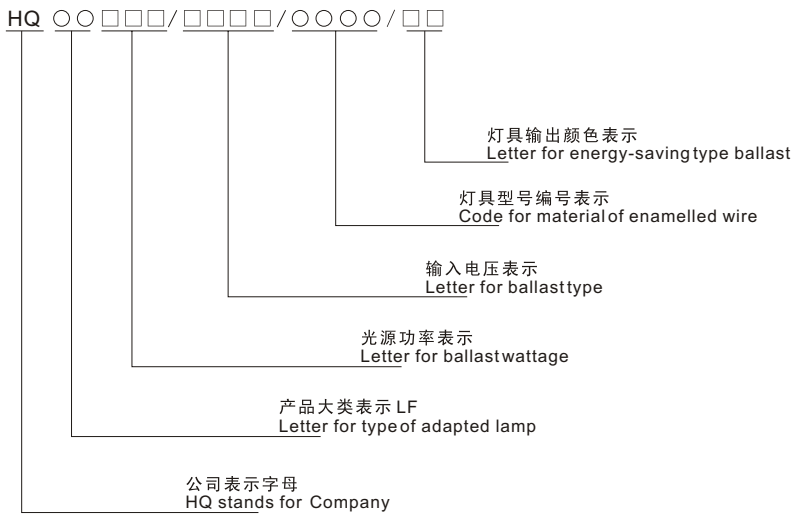
LED各系列产品 Supply voltage	代码 Adapted types	LED各系列产品 Supply voltage	代码 Adapted types
LED Mr16	M6	LED PAR38	P8
LED灯泡	Q	LED T8	T8
LED PAR14	P1	LED T10	T9
LED PAR30	P3	LED T12	T12

灯头类型 Base	灯头类型 Base	灯头类型 Base
E27	E26	Gu10
GU5.3	GX5.2	GX5.3
E14	G5	G13



LED 灯具的型号及代码
LED lighting fixtures Coding System

编码规则/Coding Rules:



“LF” 表示LED 灯具

LED各系列产品 Supply voltage	代码 Adapted types	LED各系列产品 Supply voltage	代码 Adapted types
LED模块	MK	LED投光灯具	TG
LED砖墙灯具	ZQ	LED埋地灯具	MD
LED灯串	DC	LED庭院灯具	TY
LED护栏灯	HL	LED平板灯具	PB
LED线条灯	XT	LED路灯具	LD
LED商业照明灯具	SD		

备注：若灯具带通信功能，在代码型号上加“C”，如TG01C

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