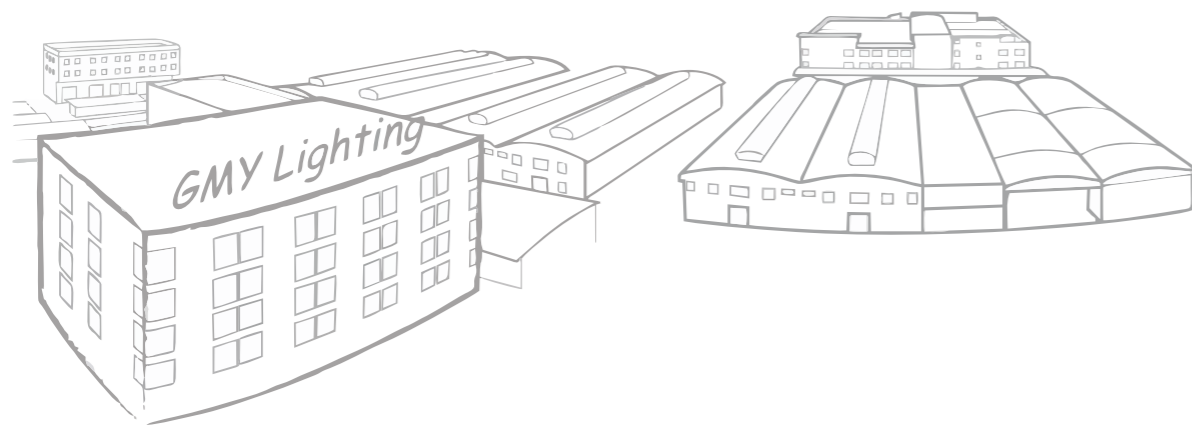




GMV



特种光源

Special Light Source

紫外线杀菌灯 紫外线灯电子镇流器 红外线发热管 金卤灯 脉冲氙灯

GMV

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GMV LIGHTING TECHNOLOGY CO., LTD.
2018-2019



广明源光科技股份有限公司简介

广明源光科技股份有限公司,成立于1998年,一直专注于“节能高效环保稳定”的照明及光科技产品的研发与生产,秉承“感恩、创新、共赢”的理念,践行“以光传播能量,用光改变世界”的使命,为世界各地的亿万用户提供优质的产品和服务,先后获得ISO9001质量体系、ISO14001环保体系、ISO/TS16949质量体系、SA8000社会责任体系和GB/T29490知识产权管理体系等认证。

经过多年自主创新和持续发展,与国内外高校及国际知名品牌公司等合作伙伴开展多种形式的全面合作,不断推出新产品,服务全球客户。

广明源公司被授予“国家高新技术企业”,设有人事部、全国博士后管委会核批的“博士后科研工作站”、广东“省级工程技术研究中心”、广东“省级企业技术中心”,是“江门市照明电器行业协会”会长单位。

广明源经过多年的发展形成了通用照明、LED照明、植物照明、车用照明、特种光源等系列光科技产品布局,其中特种光源致力于为家电、环保、医疗、工业应用、商业应用、农业应用、种养殖业等领域提供紫外线灯、红外线灯、金卤灯、IPL脉冲氙灯、镇流器、灯用配件等高品质特种光源电器系列产品,为用户持续创造健康、安全、环保、高效、美好的生活和生产条件,通过专业的服务,持续为用户创造专业价值。

About GMY Lighting

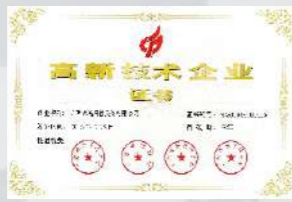
GMY LIGHTING TECHNOLOGY CO.,LTD,founded in 1998, has been focusing on the research and development and production of "energy-saving, high-efficiency, environmental protection and stability" lighting and optical technology products. Adhering to the concept of "Gratitude, Innovation and Win-Win" Fulfill to spread the energy by light, change the world by light," the mission of millions of users around the world to provide quality products and professional services, has received ISO9001 quality system, ISO14001 environmental system, ISO / TS16949 quality system, SA8000 social responsibility System and GB / T29490 intellectual property management system certification.

After years of independent innovation and sustainable development, we have carried out various forms of all-round cooperation with partners from domestic and foreign universities and international famous brand companies, and constantly launched new products to serve global customers.

GMY LIGHTING was awarded the "national high-tech enterprise", with personnel department, the national post-doctoral management committee approved the "postdoctoral research station", Guangdong "provincial engineering technology research center", Guangdong "provincial enterprise technology center", Is "Jiangmen Lighting Appliance Industry Association," president of units.

After years of development, GMY LIGHTING has formed a series of optical technology products such as general lighting, LED lighting, plant lighting, vehicle lighting and special light sources. Special light sources are devoted to the research and development of home appliances, environmental protection, medical treatment, industrial application, commercial application, agriculture Application, breeding and other fields to provide UV light, infrared light, metal halide lamp, IPL pulse xenon lamp, ballast, lamp accessories and other high-quality special light source electrical products for the user to continue to create health, safety, environmental protection, Beautiful life and production conditions, through professional services, continuing to create professional value for users.

HONOR 企业荣誉



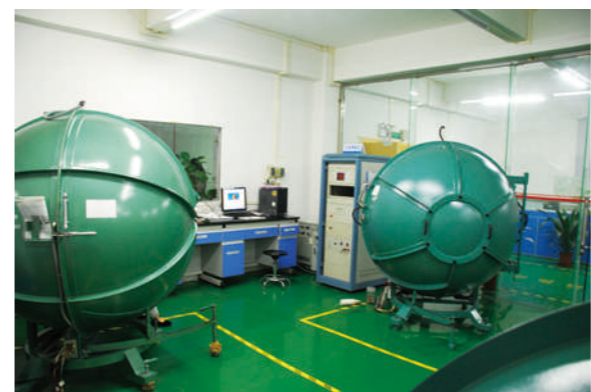
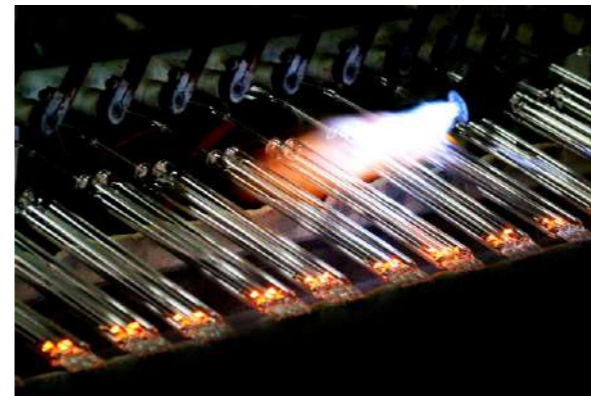
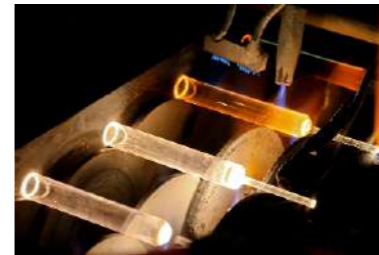
Certification 认证



LAYOUT

广明源生产车间及实验室

一流的生产测试设备,专业的研发管理团队,为公司创造一流的产品和快速稳步发展奠定了坚实的后盾。



热阴极紫外线杀菌灯

Hot Cathode UV lamp

UV3灯 P12



热阴极直管双端紫外线灯 P13-P15



热阴极H管单端紫外线灯 P15-P17



有机废气处理专用紫外线灯 P18



大功率汞齐紫外线灯 P19



一体化紫外线杀菌灯 P20-P21



热阴极紫外线杀菌灯

Hot Cathode UV lamp

热阴极异形紫外线灯 P22



冷阴极紫外线杀菌灯

Cold Cathode UV lamp

冷阴极U型灯 P23



冷阴极直管型灯 P24



冷阴极异形紫外线灯 P25



紫外线灯电子镇流器

UV lamp electronic ballast

热阴极紫外线灯金属外壳电子镇流器 P28



热阴极紫外线灯塑料外壳电子镇流器 P29



热阴极紫外线灯插墙式电子镇流器 P29



大功率紫外线灯专用电子镇流器 P30



热阴极紫外线灯裸板电子镇流器 P30



冷阴极紫外线灯逆变器 P31



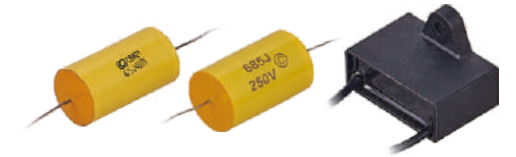
UV3灯专用电源 32



紫外线灯电子镇流器

UV lamp electronic ballast

UV3灯专用电容 P33



紫外线灯配件

UV Lamp accessories

2G11灯座 G23灯座 P34



E17灯座 G5灯座 P34



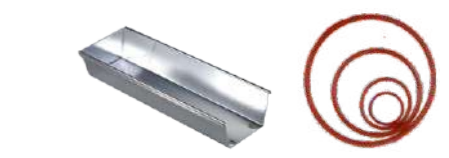
G10q灯座 P34



石英套管 P34



铝反光罩 硅胶密封圈 P34



红外线发热管

Infrared heating tube

直管型碳纤维远红外线发热管 P43



Ω形、U形、C形碳纤维远红外线发热管 P44



R系列碳纤维远红外线发热管 P44



直管型卤素红外线发热管 P45



金卤灯

Metal halide lamp

D型、S型、T型金卤灯 P50



金卤灯

Metal halide lamp

PAR型金卤灯 P51



脉冲氙灯

Pulsed xenon lamp

脉冲氙灯 P56



紫外线杀菌灯

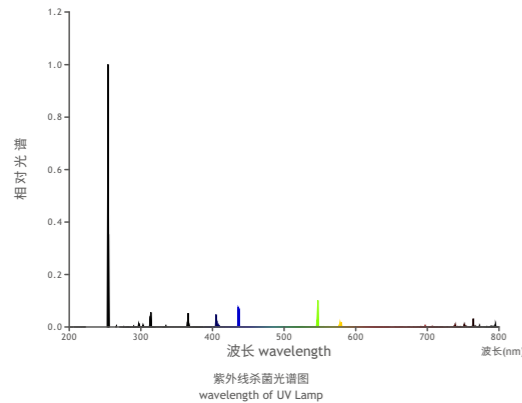
UV Lamp



紫外线杀菌灯杀菌原理

杀菌原理和特点

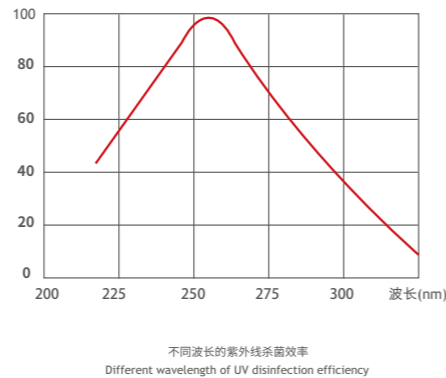
- 1、254nm 波长的紫外线很容易被生物体吸收，紫外线主要作用于生物体的遗传物质DNA，紫外线能使DNA核糖核酸分子键遭到破坏而断裂，导致细菌不能繁殖而死亡。
- 2、185nm 波长的紫外线能够电离空气中的氧气产生氧离子，游离的氧离子不稳定，再与空气中的氧气结合，产生具有强氧化作用的臭氧，臭氧也能够有效地杀灭细菌。
- 3、紫外线对各种细菌杀灭的过程中，不需要添加任何化学物质，属于纯物理消毒方法，无二次污染。



UV lamp sterilization principled

Sterilization principles and characteristics

- 1.254nm wavelength is easily absorbed by the body, the main role of ultraviolet light in the biological DNA of the genetic material, ultraviolet radiation can make DNA molecular bond rupture, resulting in bacteria can not breed and die.
- 2.185nm wavelength can be oxygen in the air to produce ionized oxygen ions and free oxygen ions labile, combined with the oxygen in the air to produce ozone having a strong oxidizing effect, the ozone can be effectively kill bacteria.
- 3.In the process of ultraviolet light killing all kinds of bacteria, do not need to add any chemicals, are purely physical disinfection methods, no secondary pollution.



紫外线对常见细菌的杀菌时间（假设辐射强度：30000μw/cm²）

UVC sterilization time for common bacteria (UVC intensity: 30000 μw/cm²)

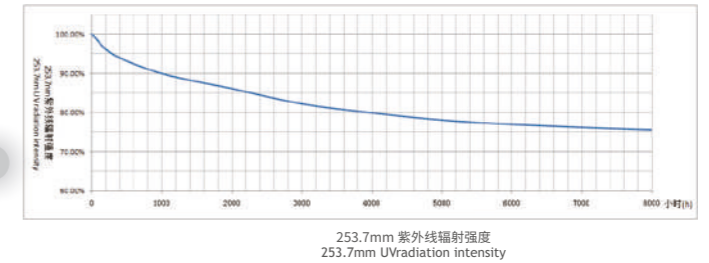
杀灭对象name		秒 (s)	杀灭对象name		秒 (s)
细菌类 Bacteria	炭疽杆菌 Bacillus Anthracis	0.3	霉菌孢子 Mould Spores	黑曲霉 Aspergillus Niger	0.3-0.7
	破伤风杆菌 Clostridium Tetani	0.3		毛霉菌属 Mucor Mucedo	4.6
	痢疾杆菌 Dysentery bacilli	1.5		青霉菌属 Penicillium Roqueforti	0.9-3.0
	大肠杆菌 Escherichia Coli	0.4	水藻类 Algae	蓝绿藻 Blue-Green Algae	10-40
	葡萄球菌属 Staphylococcus albus	1.3		线虫卵 Nematode Eggs	3.4
病毒 Virus	结核杆菌 Micrococcus Candidus	0.4	绿藻 Green Algae	1.2	
	嗜菌胞病毒 Bacteriophage	0.2	原动物类 Protozoa	4.0-6.7	
	流感病毒 Influenza	0.3	鱼类病 Fish Disease	白斑病 Leukoderma	2.7
	脊髓灰质炎病毒 Poliovirus 1	0.8		感人性胰坏死病	4.0
	乙肝病毒 Hepatitis B Virus	0.8		细菌性出病	1.6

广明源杀菌灯优势

Advantage of GMV's UV Lamp

UV 强度衰减
UV < 25%
领先国内同类产品

Low UV depreciation;
less than 25% after 8000 hrs
working time the lead of domestic products.



材料优势: 选用高纯度石英玻璃管，其羟基含量 ≤10ppm；经特殊工艺处理，总杂质含量 ≤50ppm；253.7nm 波长透过率 ≥90%。

Material advantage: the top grade high-purity quartz glass tube, hydroxyl ≤10ppm; special process of self-technical treatment, the major impurity ≤50ppm; transmittance of 253.7nm wavelength ≥90%.

加工设备优势: 拥有机器设备开发部，自主研发的专用自动机器及设备，相比传统的纯手工制作，更能有效控制产品质量，确保产品品质的一致性。

Equipment Processing advantage: GMV have machine and equipment development department, and can own research and make automatic machine and equipment instead of the traditional handmade manufacturing, so can effectively control the product quality and ensure

服务优势: 专业的材料检测设备、灯管和镇流器检测设备，专业的灯管、电子镇流器工程师，可以为客户提供贴心的技术服务咨询，为客户开发特殊规格产品，协助客户完成新产品的开发和设计。独立的实验室可以给客户提供更多的检测服务，如RoHS 羟基测试等等。

Service advantages: professional testing equipment for material, lamp and ballast. professional engineers team can provide the attentive technical consulting services for client, and develop special products and complete the new product design and development together with clients. Own the independent laboratory can give customers more testing services such as Rosh test and so on.

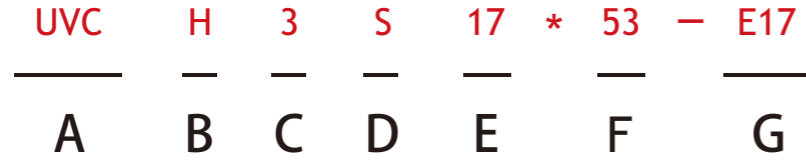
技术优势: 19年多独有的石英玻璃夹封及排气技术，保证灯管有效寿命 ≥8000 小时以上，慢性漏气比例远远低于同行；在平均寿命期间内，紫外线强度衰减 ≤25%。自有灯丝制造技术，电子粉加工技术，电子粉分解技术，保证灯管良好的启动性能以及确保灯管寿命。

Key technology advantage: unique sealing and pumping technology for quartz glass tube about 16 years, ensure life of lamp ≥8000 hours, and the proportion of chronic gas leakage of lamp is far lower than the other domestic manufactures. in the period of average life, UVC intensity depreciation ≤25%. Own filament making technology, electronic powder processing and technology, ensure lamp start performance and lifetime of lamp.

成本优势: 国内最大石英卤素灯制造商，使我们采购石英玻璃管的价格更有优势；自动化生产设备，规模化生产，精益生产工具的应用，很好的控制生产成本和产品质量。

Cost advantage: the domestic largest manufacturer of quartz halogen lamps, the price of quartz glass tube from supplier is lower than others. automated production equipment, large-scale production and the application of lean manufacturing tools let our costs can be reduced to low and product quality better.

紫外线杀菌灯命名规则 Naming Rule of UV Lamp



- A** 表示紫外线灯，分别可用“UVA、UVB、UVC”表示。
said as ultraviolet band, respectively” UVA、UVB、UVC”
- B** 表示放电形式，“H”代表热阴极，“C”代表冷阴极。
said as electrode type, "H" represents the hot cathode, "C" represents the cold cathode.
- C** 表示功率，如：“3”代表“3W”。
Said as lamp Power, for example, "3" is for "3Watts".
- D** 表示灯的形状，“S”代表单管单端，“D”代表单管双端，“H”代表双管H形，“U”代表双管U形。
said as lamp type, "S" is single-ended straight tube, "D" is doubled-ended straight tube "H" is single-ended H type tube, "U" is U shape type.
- E** 表示灯管直径。如“17”代表“φ17”。
said as tube diameter, for example, "17" is for "φ17mm".
- F** 表示灯的长度。
said as length of lamp.
- G** 附加条件（表示灯头、插件、引线等）。如：“E17/G5”代表灯头型号，“PLUG”代表插件，CABLE”代表引线。
said as others(Base/Cable/Plug).for example, " E17/G5" is for lamp base, "PLUG" is for pin plug, "CABLE" is for base with cable.



紫外线杀菌灯

UV3灯

性能特点:

- 1、体积小，功率低，紫外线辐射强度高；
- 2、启动方式较多，启动电源方案简单；220V50Hz配置4.7μF电容，120V60Hz配置6.87μF电容，直流恒流源；
- 3、开关次数长，可达数万次以上；
- 4、可低压直流供电，安全可靠。
- 5、螺旋形灯头，安装简单方便；
- 6、有臭氧型和无臭氧型供选用；

应用范围:

应用于空气净化器、空气除味器、电冰箱、消毒柜、微波炉、除菌加湿器、牙刷消毒器等小体积消毒杀菌净化类产品；

UV lamp

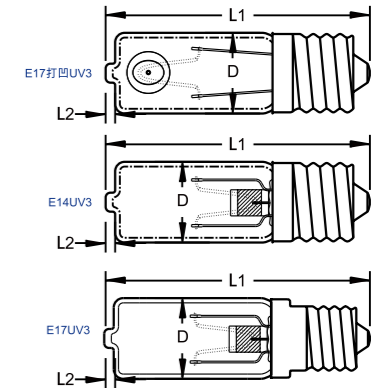
UV3 Lamp

Special Features:

- 1.Small size, low power, high UV radiation intensity;
2. Too many ways to light the lamp, and the supply program is simple; 220V50Hz match 4.7μF capacitor, 120V60Hz match 6.87μF capacitor, and DC constant current supply;
3. Long switch time, up to tens of thousands of times;
4. Low-voltage DC power supply, safe and reliable.
5. Spiral lamp holder, installation is simple and convenient;
6. Ozone and non-ozone for selection;

Application :

Used in air purifiers, air deodorant, refrigerators, disinfecting cabinets, microwave ovens, sterilization humidifier, dental sterilizer and other small-volume disinfection sterilization products.



规格 Type	功率 W	电流 mA	管径 D(mm)	长度 L(mm)	灯头 Base	紫外线强度 @30mm Uvradiation(μW/cm ²)	平均寿命 Av.Life(h)
UVC-H3S17*60-E14	3	300	17	60	E14	700	5000
UVC-H3S17*53-E17	3	300	17	53	E17	700	5000
UVC-H3S17*52-E17	3	300	17	60	E14	700	5000

警告：紫外线对人和动物有伤害，使用时请勿照射到人或动物。
WARNING: UV rays are harmful to humans and animals. Do not irradiate people or animals when in use.

紫外线杀菌灯

热阴极紫外线杀菌灯

性能特点:

- 1、采用高纯石英玻璃材料，经特殊工艺处理，进一步降低玻璃管内杂质含量；
- 2、热阴极紫外线杀菌灯光电转换效率以及紫外线光转换效率高，紫外线辐射强度高；
- 3、电子粉中添加稀土元素，紫外线发射效率更高，辐射强度更强；
- 4、特有的排气技术，使灯具有较高的初始紫外线辐射强度和低紫外线光衰，以及良好的开关次数以及抗发黑性能；
- 5、有臭氧型和无臭氧型可供选择。

应用范围:

应用于生活用水、纯水、医用水等各种水体消毒；废水杀菌消毒处理配套设备；水族、水产灯循环水杀菌；光触媒催化空气净化器及中央空调通风管道空气杀菌消毒等。

单端四针型(single-ended 4 pin)



Base: 4 PIN Ceramics



规格 Type	功率 W	电流 mA	管径 D(mm)	长度 L(mm)	灯头 Base	紫外线强度 @1m Uvradiation($\mu\text{W}/\text{cm}^2$)	平均寿命 Av.Life(h)
UVC-H4S15*135-G10q	4	180	15	135	G10q	12	8000
UVC-H6S15*212-G10q	6	140	15	212	G10q	16	8000
UVC-H8S15*288-G10q	8	155	15	288	G10q	22	8000
UVC-H10S15*331-G10q	10	200	15	331	G10q	28	8000
UVC-H15S15*437-G10q	15	230	15	437	G11q	40	8000
UVC-H20S15*589-G10q	20	250	15	589	G10q	60	8000
UVC-H30S15*893-G10q	30	280	15	893	G10q	95	8000
UVC-H40S15*1198-G10q	40	300	15	1198	G10q	95	8000

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紫外线杀菌灯

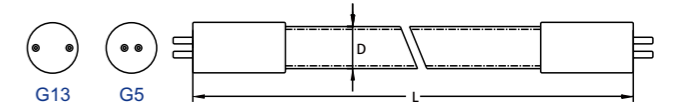
热阴极紫外线杀菌灯

双端直管型 Double-ended straight tube



Aluminum G5 Base

Ceramic G5/G13 Base



规格 Type	功率 W	电流 mA	管径 D(mm)	长度 L(mm)	灯头 Base	紫外线强度 @1m Uvradiation($\mu\text{W}/\text{cm}^2$)	平均寿命 Av.Life(h)
UVC-H4D15*135-G5/G13	4	180	15	135	G5	12	8000
UVC-H5D15*180-G5/G13	5	150	15	180	G5	10	8000
UVC-H6D15*212-G5/G13	6	140	15	212	G5	16	8000
UVC-H8D15/25*288-G5/G13	8	155	15/25	288	G5	22	8000
UVC-H10D15/25*331-G5/G13	10	200	15/25	331	G5	28	8000
UVC-H15D15/25*437-G5/G13	15	230	15/25	437	G5	40	8000
UVC-H20D15/25*589-G5/G13	20	250	15/25	589	G5/G13	60	8000
UVC-H30D15/25*894-G5/G13	30	280	15/25	894	G5/G13	95	8000
UVC-H40D15/25*1198-G5/G13	40	300	15/25	1198	G5/G13	95	8000
UVC-H65D15/25*1555-G5/G13	65	470	15/25	1555	G5/G13	200	8000
UVC-H165D15/19*1555-G5/G13	165	800	15/19	1555	G5/G13	520	8000

警告：紫外线对人和动物有伤害，使用时请勿照射到人或动物。
 WARNING:UV rays are harmful to humans and animals. Do not irradiate people or animals when in use.

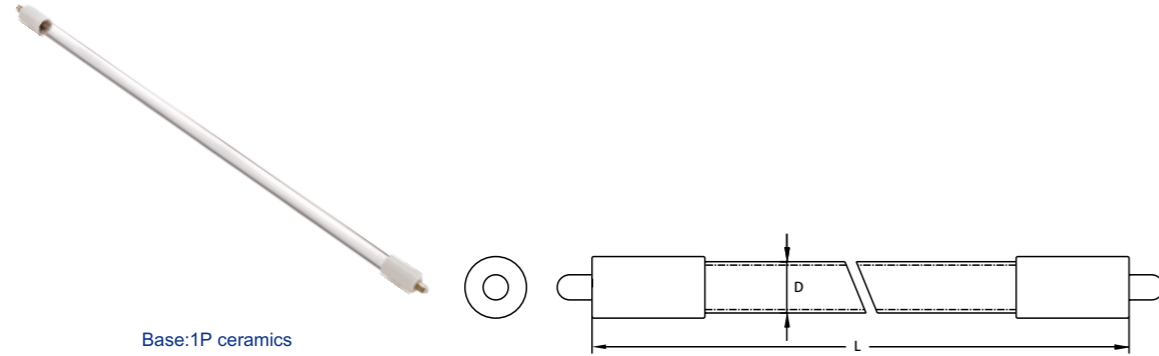
紫外线杀菌灯

热阴极紫外线杀菌灯

UV lamp

Hot Cathode UV lamp

双端单针直管型 (double-ended 1P pin)



Base:1P ceramics

规格 Type	功率 W	电流 mA	管径 D(mm)	长度 L(mm)	灯头 Base	紫外线强度 @0mm Uvradiation($\mu\text{W}/\text{cm}^2$)	平均寿命 Av.Life(h)
UVCH150D15*1554-1P	150	1102	15	1554	1P	33000	8000

单端 H 型紫外线杀菌灯 Single-ended Htype



规格 Type	功率 W	电流 mA	管径 D(mm)	长度 L(mm)	灯头 Base	紫外线强度 @1m Uvradiation($\mu\text{W}/\text{cm}^2$)	平均寿命 Av.Life(h)
UVC-H5H12*106-G24q-1	5	155	12	106	G24q-1	10	8000
UVC-H7H12*135-G24q-1	7	165	12	135	G24q-1	16	8000
UVC-H9H12*167-G24q-1	9	170	12	167	G24q-1	26	8000
UVC-H11H12*236-G24q-1	11	130	12	236	G24q-1	38	8000

警告：紫外线对人和动物有伤害，使用时请勿照射到人或动物。
 WARNING:UV rays are harmful to humans and animals. Do not irradiate people or animals when in use.

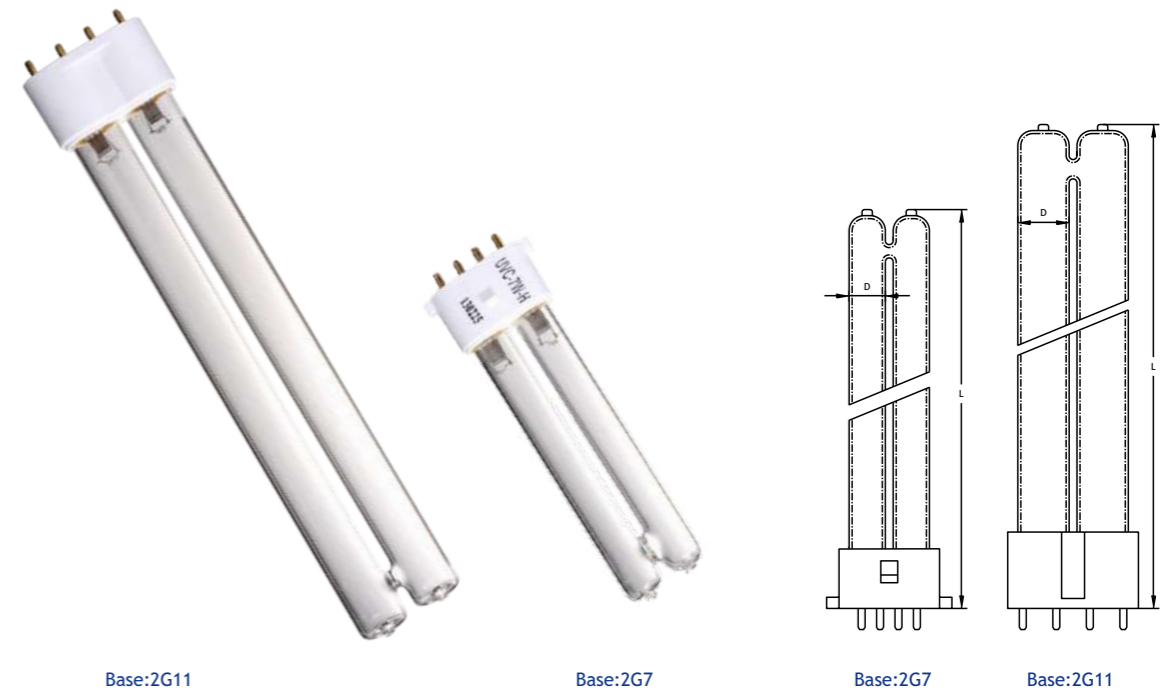
紫外线杀菌灯

热阴极紫外线杀菌灯

UV lamp

Hot Cathode UV lamp

单端 H 型紫外线杀菌灯 Single-ended Htype



Base:2G11

Base:2G7

Base:2G7

Base:2G11

规格 Type	功率 W	电流 mA	管径 D(mm)	长度 L(mm)	灯头 Base	紫外线强度 @1m Uvradiation($\mu\text{W}/\text{cm}^2$)	平均寿命 Av.Life(h)
UVC-H18H17*218-2G11	18	330	17	218	2G11	50	8000
UVC-H24H17*318-2G11	24	320	17	318	2G11	94	8000
UVC-H36H17*411-2G11	36	400	17	411	2G11	120	8000
UVC-H55H17*532-2G11	55	450	17	532	2G11	150	8000

警告：紫外线对人和动物有伤害，使用时请勿照射到人或动物。
 WARNING:UV rays are harmful to humans and animals. Do not irradiate people or animals when in use.

紫外线杀菌灯

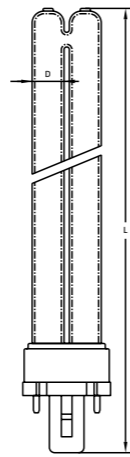
热阴极紫外线杀菌灯

性能特点:

- 1、内置110V或220V启动跳泡及启动电容;
- 2、可单独采用电子镇流器或电感镇流器,也可根据需要进行匹配电子电感通用。
- 3、尺寸紧凑,单位长度内的紫外线辐射强度更高,安装方便。

应用范围:

用于消毒、杀菌、除臭、净化仪器与设备中,医疗消毒机、光催化空气净化器、水族消毒等。



Base:G23

规格 Type	功率 W	电流 mA	管径 D(mm)	长度 L(mm)	灯头 Base	紫外线强度 @1m Uvradiation($\mu\text{W}/\text{cm}^2$)	平均寿命 Av.Life(h)
UVC-H5H12*106-G23	5	155	12	106	G23	10	8000
UVC-H7H12*135-G23	7	165	12	135	G23	16	8000
UVC-H9H12*167-G23	9	170	12	167	G23	23	8000
UVC-H11H12*236-G23	11	130	12	236	G23	38	8000

警告:紫外线对人和动物有伤害,使用时请勿照射到人或动物。
 WARNING:UV rays are harmful to humans and animals. Do not irradiate people or animals when in use.

紫外线杀菌灯

热阴极紫外线杀菌灯

有机废气处理专用紫外线灯 Organic waste gas treatment dedicated UV lamps

性能特点:

- 1、采用更高纯度的石英玻璃材料,极大的降低玻璃管内的杂质,使能够产生臭氧的185nm紫外线的透过率更高,从而产生臭氧的量更多,更好的分解有机物质;
- 2、低管压的设计,对镇流器启动性能的要求更低,在低温环境下能更容易启动点亮灯管,特别是在较多数量同时使用的情况下,对电网的供电要求更低;
- 3、U型双管以及卡环磁头的设计,尺寸紧凑,单位长度内的紫外线辐射强度更高,可使设备尺寸设计更小,安装方便,以及单位长度内的紫外线辐射强度更高。

应用范围:

有机废气VOCs,油烟处理。



微波无极灯

U型灯

H型灯

Base:GY10q卡环磁头

规格 Type	功率 W	电流 mA	管径 D(mm)	长度 L(mm)	灯头 Base	紫外线强度 @1m Uvradiation($\mu\text{W}/\text{cm}^2$)	平均寿命 Av.Life(h)
UVC-H55U15*532-GY10q	55	450	17	532	GY10q卡环瓷头	150	12000
UVC-H75U15*532-GY10q	75	750	17	411	GY10q卡环瓷头	200	12000
UVC-H95U15*532-GY10q	95	385	17	532	GY10q卡环瓷头	180	12000
UVC-H150U15*810-GY10q	180	800	17	810	GY10q卡环瓷头	150	12000

警告:紫外线对人和动物有伤害,使用时请勿照射到人或动物。
 WARNING:UV rays are harmful to humans and animals. Do not irradiate people or animals when in use.

紫外线杀菌灯

热阴极紫外线杀菌灯

大功率汞齐紫外线灯 High-power amalgam UV lamp

性能特点:

采用特殊的高温固汞技术, 通过控制灯内的汞含量, 实现对灯内汞蒸汽压的控制, 从而实现在灯管温度较高时, 也能保持较高的紫外线输出。

应用范围:

自来水厂、自来水二次供水、污水处理、工业纯水及工业废水等超大流量水处理。

UV lamp

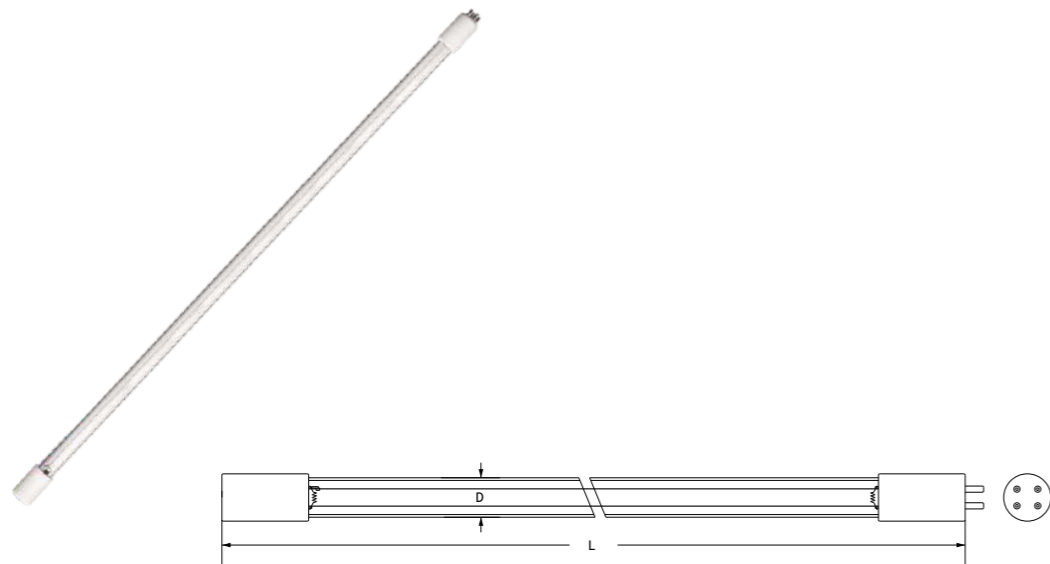
Hot Cathode UV lamp

Special Features:

Adopt special high-temperature mercury-fixing technology to control the mercury vapor pressure in the lamp by controlling the mercury content in the lamp so as to keep the high UV output even when the lamp temperature is high.

Applications:

Waterworks, water secondary water supply, sewage treatment, industrial water and industrial waste water and other large flow of water treatment.



规格 Type	功率 W	电流 mA	管径 D(mm)	长度 L(mm)	灯头 Base	紫外线强度 @1m Uvradiation($\mu\text{W}/\text{cm}^2$)	平均寿命 Av.Life(h)
UVC-H150S19*1550-G10q	150	1000	19	1550	G10q	400	12000
UVC-H250S19*1550-G10q	250	1800	19	1550	G10q	600	12000
UVC-H320S25*1550-G10q	320	2100	25	1550	G10q	750	12000
UVC-H500S25*1550-G10q	500	5000	25	1550	G10q	1015	12000

警告: 紫外线对人和动物有伤害, 使用时请勿照射到人或动物。
 WARNING: UV rays are harmful to humans and animals. Do not irradiate people or animals when in use.

紫外线杀菌灯

热阴极紫外线杀菌灯

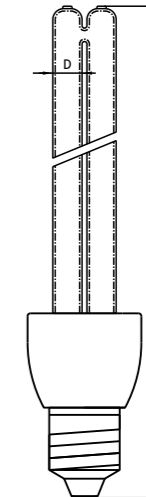
E27一体化紫外线杀菌灯

性能特点:

1. 本产品为内置镇流器的一体化紫外线灯, 结构紧凑, 体积小, 配备标准E27/E26灯头, 安装简单, 使用方便, 灯管易于更换。
2. 电源电压: 120V/220V 50Hz/60Hz;
3. 单位长度内的紫外线发光面积大, 紫外线辐射强度高。

应用范围:

医院, 厨房, 卫生间, 食品间, 洁净厂房等。



规格 Type	功率 W	电压 V	工作频率 Hz	管径 D(mm)	长度 L(mm)	灯头 Base	紫外线强度 @1m Uvradiation($\mu\text{W}/\text{cm}^2$)	平均寿命 Av.Life(h)
UVC-H10/2H12*150-E27	10	120/220	60/50	12	150	E26/E27	18	8000
UVC-H15/2H12*200-E27	15	120/220	60/50	12	200	E26/E27	25	8000
UVC-H20/2H12*250-E27	20	120/220	60/50	12	250	E26/E27	25	8000

警告: 紫外线对人和动物有伤害, 使用时请勿照射到人或动物。
 WARNING: UV rays are harmful to humans and animals. Do not irradiate people or animals when in use.

紫外线杀菌灯

热阴极紫外线杀菌灯

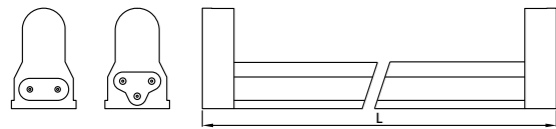
E-T5一体化紫外线杀菌灯

性能特点:

1. 本产品为内置镇流器的一体化紫外线灯, 结构紧凑, 体积小, 配备安装卡扣, 安装简单, 使用方便;
2. 采用标准T5亮光铝合金支架, 不仅能有效的防止紫外线的照射, 同时反射紫外线, 更大的利用紫外线光, 同时灯管易更换;
3. 电源电压: 110V~240V 50Hz/60Hz;
4. 发光面积大, 消毒面积广。

应用范围:

医院, 厨房, 卫生间, 食品间, 洁净厂房等。



规格 Type	电压 V	功率 W	工作频率 Hz	管径 D(mm)	长度 L(mm)	灯头 Base	紫外线强度 @1m Uv radiation($\mu\text{W}/\text{cm}^2$)	平均寿命 Av. Life(h)
E-T5-8	100-240	8	50/60	15	312	三插/两插	22	8000
E-T5-15	100-240	15	50/60	15	461	三插/两插	40	8000
E-T5-20	100-240	20	50/60	15	611	三插/两插	60	8000
E-T5-30	100-240	30	50/60	15	915	三插/两插	95	8000
E-T5-40	100-240	40	50/60	15	1211	三插/两插	95	8000

警告: 紫外线对人和动物有伤害, 使用时请勿照射到人或动物。
 WARNING: UV rays are harmful to humans and animals. Do not irradiate people or animals when in use.

紫外线杀菌灯

热阴极紫外线杀菌灯

异形紫外线杀菌灯

性能特点:

根据需求可定制不同类型的产品形状。



环形灯



U形灯



螺旋形灯



螺旋形灯

警告: 紫外线对人和动物有伤害, 使用时请勿照射到人或动物。
 WARNING: UV rays are harmful to humans and animals. Do not irradiate people or animals when in use.

UV lamp

Hot Cathode UV lamp

E-T5 integrated UV lamp

Special Features:

1. The product is built ultraviolet lamp ballast integrated, compact structure, small volume, with a mounting bracket, easy to install, easy to use;
2. Using standard T5 aluminum alloy bracket, not only can effectively prevent the UV radiation, while reflecting the UV, greater use of UV light, while easy to replace the lamp;
3. The power supply voltage: 110V - 240V 50Hz / 60Hz;
4. The light emitting area, wide area disinfection.

Applications:

Hospital, kitchen, bathroom, food room, clean room and so on.



UV lamp

Hot Cathode UV lamp

Other special shape UV lamp

Special Features:

According to the needs of different types of product shape can be customized.

紫外线杀菌灯

冷阴极紫外线杀菌灯

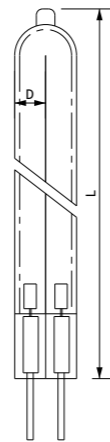
性能特点:

1. 体积小, 功率低, 耗电少;
2. 开关次数长, 频繁启动不影响灯管寿命;
3. 寿命长, 平均使用寿命10000小时;
4. 采用逆变器驱动, 适合于低压直流供电场合;
5. 有臭氧型和无臭氧型可供选用。

应用范围:

牙刷消毒器、冰箱、除味器、便携式消毒器、假牙消毒器、毛巾消毒箱, 筷子消毒器。

U型 U Type



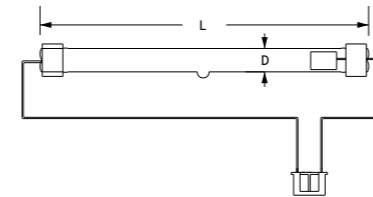
规格 Type	功率 W	电流 mA	管径 D(mm)	长度 L(mm)	灯头 Base	紫外线强度 @30mm Uvradiation($\mu\text{W}/\text{cm}^2$)	平均寿命 Av.Life(h)
UVC-C1U4*58	1	4	4	58	CABLE/PLUG	280	10000
UVC-C2U4*73	2	4	4	73	CABLE/PLUG	300	10000
UVC-C2U5*100	2	5	5	100	CABLE/PLUG	350	10000
UVC-C2U5*165	2	4	5	165	CABLE/PLUG	400	10000
UVC-C4D12*205	4	12	12	205	CABLE/PLUG	450	10000

警告: 紫外线对人和动物有伤害, 使用时请勿照射到人或动物。
 WARNING: UV rays are harmful to humans and animals. Do not irradiate people or animals when in use.

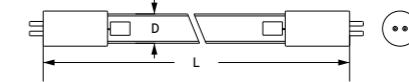
紫外线杀菌灯

冷阴极紫外线杀菌灯

直管型 Straight Type



冷阴极直管型 (带胶头)



双端两针冷阴极 (PC 灯头 G5)

规格 Type	功率 W	电流 mA	管径 D(mm)	长度 L(mm)	灯头 Base	紫外线强度 @30mm Uvradiation($\mu\text{W}/\text{cm}^2$)	平均寿命 Av.Life(h)
UVC-C3D9*125	3	9	9	125	CABLE/PLUG	300	10000
UVC-C4D9*200	4	9	9	200	CABLE/PLUG	400	10000
UVC-C6D12*285	6	15	12	285	CABLE/PLUG	500	10000
UVC-C4D12*212-G5	4	12	12	212	G5	500	10000

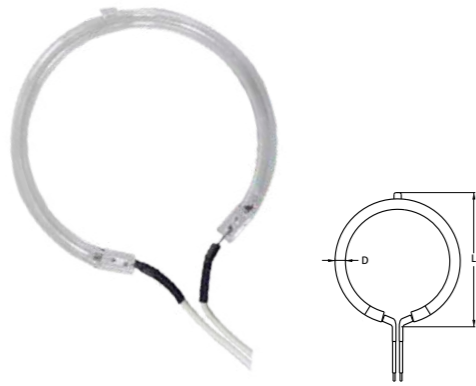
警告: 紫外线对人和动物有伤害, 使用时请勿照射到人或动物。
 WARNING: UV rays are harmful to humans and animals. Do not irradiate people or animals when in use.

紫外线杀菌灯

冷阴极紫外线杀菌灯

异形紫外线杀菌灯

根据需求可定制不同类型的产品形状。



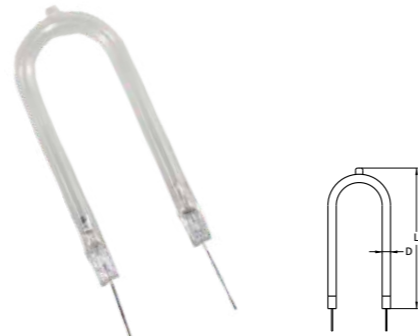
冷阴极环型灯 (带引线)

UV lamp

Cold Cathode UV lamp

Other special shape UV lamp

According to the needs of different types of product shape can be customized.



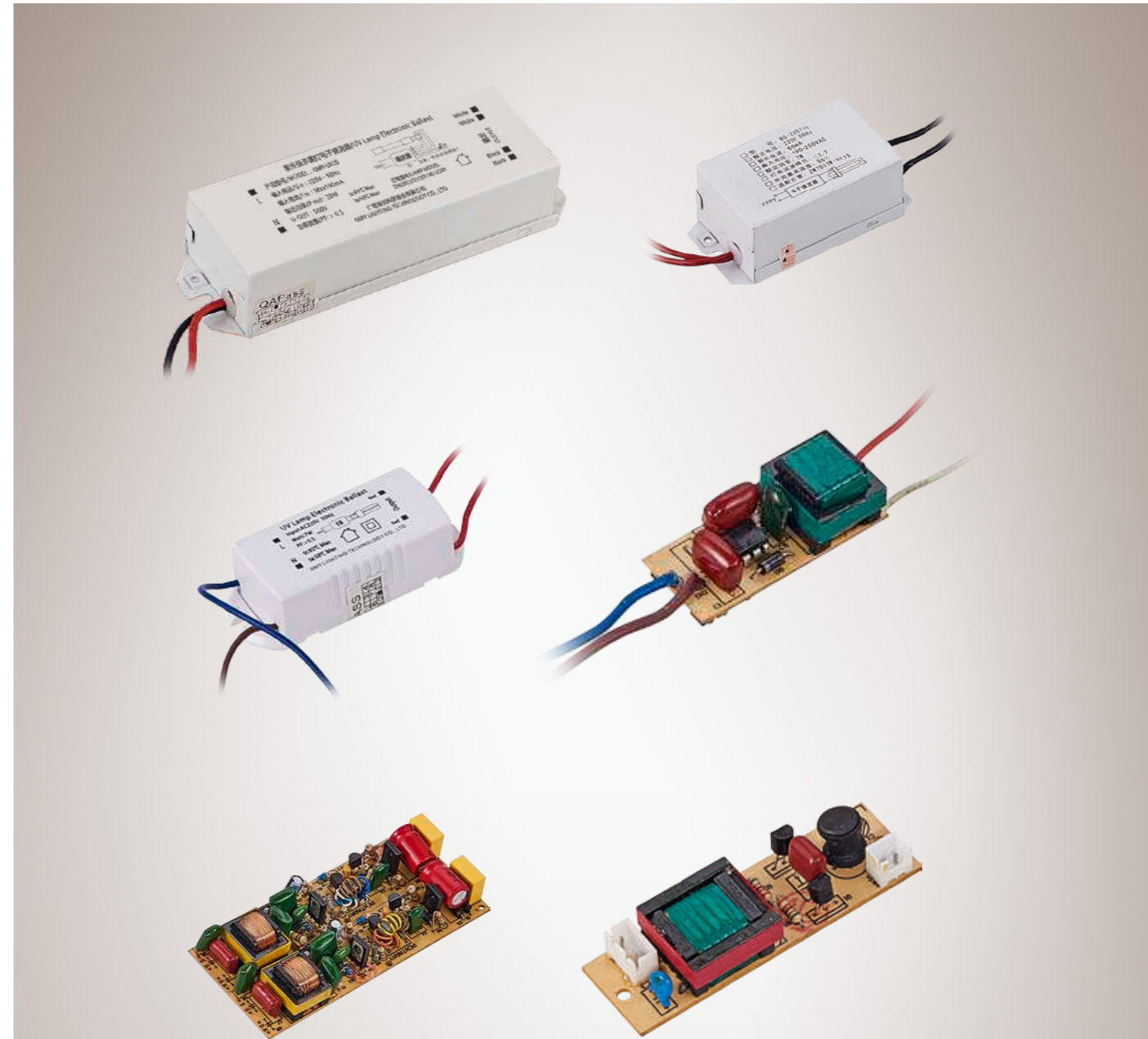
冷阴极U型管

规格 Type	功率 W	电流 mA	管径 D(mm)	长度 L(mm)	灯头 Base	紫外线强度 @30mm Uvradiation($\mu\text{W}/\text{cm}^2$)	平均寿命 Av.Life(h)
UVC-C1U4*58	1	4	4	58	CABLE/PLUG	280	10000
UVC-C2U4*73	2	4	4	73	CABLE/PLUG	300	10000
UVC-C2U5*100	2	5	5	100	CABLE/PLUG	350	10000
UVC-C2U5*165	2	4	5	165	CABLE/PLUG	400	10000
UVC-C4D12*205	4	12	12	205	PLUG	450	10000

警告：紫外线对人和动物有伤害，使用时请勿照射到人或动物。
 WARNING: UV rays are harmful to humans and animals. Do not irradiate people or animals when in use.

紫外线灯电子镇流器

UV Lamp Electronic Ballast



紫外线灯电子镇流器命名规则 Naming Rule of UV Lamp Electronic Ballast

ZW - AC 220V 5W H 106

A B C D E F

- A** 表示镇流器类型，“ZW”表示热阴极紫外线灯镇流器、“ZWL”表示冷阴极紫外线灯逆变器。
said as ballast type, "ZW" is hot cathode UV lamp ballast, "ZWL" is cold cathode UV lamp ballast.
- B** 表示输入电压类型，“AC”代表交流，“DC”代表直流。
said as input voltage type, "AC" is for AC voltage, "DC" for is for DC voltage.
- C** 表示输入电压值。如：“220V”代表“220V”。
Said as input voltage value. "220V" on behalf of 220V input voltage.
- D** 表示镇流器的功率，“5W”代表5W；
said as power of ballast, "5W" represents 5W;
- E** 表示镇流器适配灯管类型。如“H”代表“H型管”。
said as ballast fits lamp type. "H" is for H-tube.
- F** 表示灯的长度。
said as length of lamp.



UV灯电子镇流器

热阴极紫外线杀菌灯电子镇流器

性能特点:

- 1、专业的镇流器与灯管匹配技术,使灯和镇流器都能稳定工作,极大的降低故障率;
- 2、足功率,高效率,低功耗,低发热量;
- 3、过热、过流、灯寿终保护性能,安全可靠;
- 4、良好的预热启动性能,有效延长灯管的使用寿命。

金属外壳



UV Lamp Electronic Ballast

Hot Cathode UV lamp Electronic Ballast

Special Features:

- 1、Professional ballast and lamp matching technology, the lamp and ballast can work stably, greatly reducing the failure rate;
- 2、Foot power, high energy efficiency, low power consumption, low heat;
- 3、Overheating, over-current, lamp life protection, safe and reliable;
- 4、Good warm-start performance, effectively extending the life of the lamp.

规格 Type	功率 W	输入电压 V	工作频率 Hz	外壳材质	接线方式	颜色	功能	产品尺寸 mm
ZW-AC220V2*10WZ331	2*10	220	50	金属	端子	白色	空载保护 / 接地保护	255*31*25
ZW-AC220V2*15WZ437	2*15	220	50	金属	端子	白色	空载保护 / 接地保护	255*31*25
ZW-AC220V2*20WZ589	2*20	220	50	金属	端子	白色	空载保护 / 接地保护	255*31*25
ZW-AC220V21-40W	21-40	220	50	金属	出线	银色	空载保护	155*38*27
ZW-AC220V7WH135	7	220	50	金属	出线	白色	空载保护	65*42.5*29
ZW-AC220V8WZ288	8	220	50	金属	出线	白色	空载保护	65*42.5*29
ZW-AC220V15WZ437	15	220	50	金属	出线	白色	空载保护	65*42.5*29
ZW-AC220V20WZ589	20	220	50	金属	出线	白色	空载保护	123*45*32
ZW-AC220V30WZ893	30	220	50	金属	出线	白色	空载保护	123*45*32

备注：有2*10W或2*15W等的,表示为一拖二镇流器,10W/15W表示适配灯管的功率。

UV灯电子镇流器

热阴极紫外线杀菌灯电子镇流器

UV Lamp Electronic Ballast

Hot Cathode UV lamp Electronic Ballast



规格 Type	功率 W	输入电压 V	工作频率 Hz	外壳材质	接线方式	颜色	功能	产品尺寸 mm
ZW-AC220V2*5WH106	11	220	50	塑料	出线	白色	空载保护	78*51*28
ZW-AC220V2*7WH135	15	220	50	塑料	出线	白色	空载保护	78*51*28
ZW-AC220V2*9WH167	19	220	50	塑料	出线	白色	空载保护	78*51*28
ZW-AC220V2*11WH236	23	220	50	塑料	出线	白色	空载保护	78*51*28
ZW-AC220V5WH106	5	220	50	塑料	出线	白色	空载保护 / 寿终保护 / 过温保护	66*33*23
ZW-AC220V7WH135	7	220	50	塑料	出线	白色	空载保护 / 寿终保护 / 过温保护	66*33*23
ZW-AC220V9WH167	9	220	50	塑料	出线	白色	空载保护 / 寿终保护 / 过温保护	66*33*23
ZW-AC220V11WH236	11	220	50	塑料	出线	白色	空载保护 / 寿终保护 / 过温保护	66*33*23

备注:有2*5W或2*7W等的,表示为一拖二镇流器,5W/7W表示适配灯管的功率.

插墙式



规格 Type	功率 W	输入电压 V	工作频率 Hz	外壳材质	接线方式	颜色	功能	产品尺寸 mm
ZW-AC220V4WZ135	4	220	50	塑料	插头	黑色	空载保护	73*38*29
ZW-AC220V6WZ212	6	220	50	塑料	插头	黑色	空载保护	73*38*29
ZW-AC220V9WZ288	9	220	50	塑料	插头	黑色	空载保护	73*38*29

UV灯电子镇流器

热阴极紫外线杀菌灯电子镇流器

UV Lamp Electronic Ballast

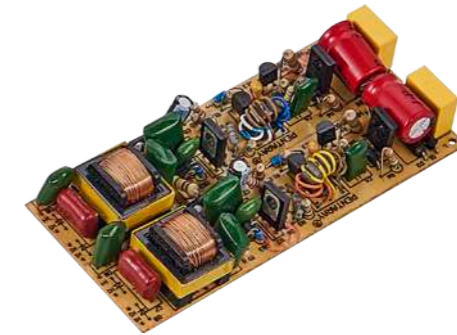
Hot Cathode UV lamp Electronic Ballast

大功率紫外线杀菌灯专用镇流器



规格 Type	功率 W	输入电压 V	工作频率 Hz	外壳材质	接线方式	颜色	功能	产品尺寸 mm
ZW-AC220V150WU810	150	220	50	金属	端子	银色	预热 / 寿终保护	200*63*30
ZW-AC220V150WZ1550	150	220	50	金属	端子	银色	预热 / 寿终保护	200*63*30
ZW-AC220V250WZ1550	250	220	50	金属	端子	银色	预热 / 寿终保护	200*63*30
ZW-AC220V320WZ1550	320	220	50	金属	端子	银色	预热 / 寿终保护	200*63*30

热阴极裸板

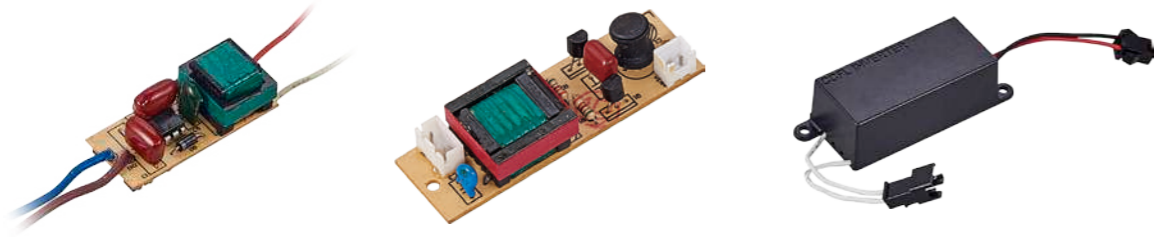


规格 Type	功率 W	输入电压 V	工作频率 Hz	接线方式	功能	产品尺寸 mm
ZW-AC220V5WH106	5	220	50	焊线	空载保护	23.5*100*16
ZW-AC220V7WH135	7	220	50	焊线	空载保护	23.5*100*16
ZW-AC220V9WH167	9	220	50	焊线	空载保护	23.5*100*16
ZW-AC220V11WH236	11	220	50	焊线	空载保护	23.5*100*16

UV灯电子镇流器

冷阴极紫外线杀菌灯电子镇流器

冷阴极逆变器



规格 Type	功率 W	输入电压 V	外壳材质	接线方式	颜色	功能	产品尺寸 mm
ZWL-DC24V2WU73	2	DC24V	塑料	插头	黑色	空载保护	63*29*23
ZWL-AC220V2WU100	2	220V	裸板	出线		空载保护	45*20*16
ZW-AC220V9WH167	2	DC3V/6V/12V/ 24V	裸板	端子		空载保护	60*20*16

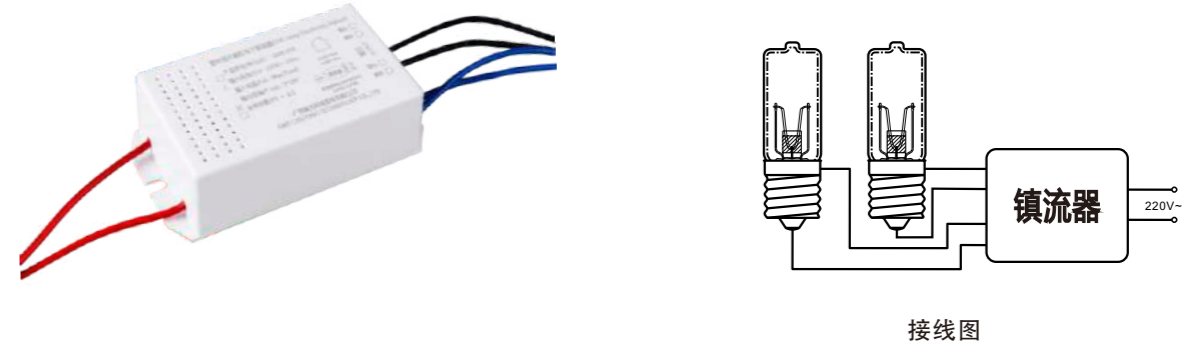
UV Lamp Electronic Ballast

Cold Cathode UV lamp Electronic Ballast

UV3灯专用系列电源

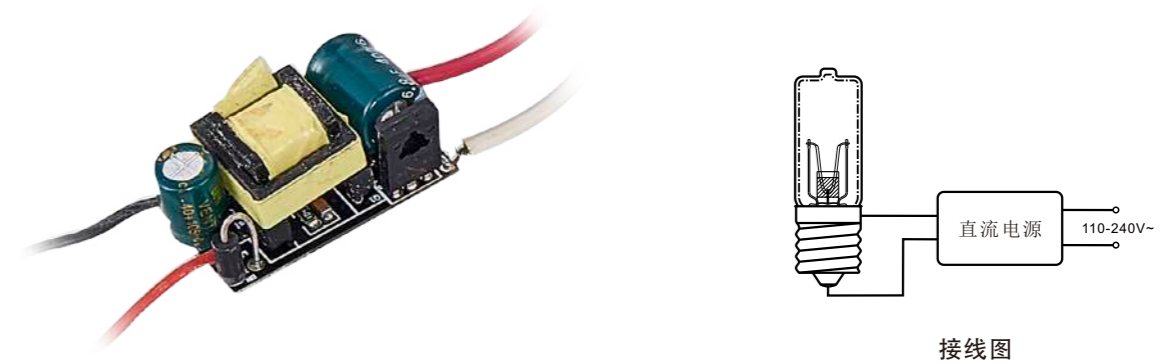
UV3 Lamp Power Supply

一拖二交流电源



规格 Type	功率 W	输入电压 V	工作频率 Hz	外壳材质	接线方式	颜色	功能	产品尺寸 mm
ZW-AC220V2*3WUV3	7	220	50	塑料	出线	白色	空载保护	78*51*28

一拖一直流电源

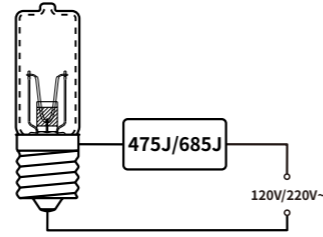
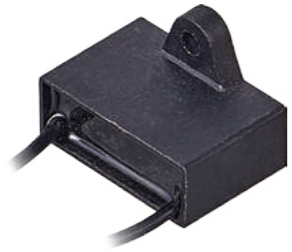


规格 Type	功率 W	输入电压 V	工作频率 Hz	外壳材质	接线方式	颜色	功能	产品尺寸 mm
UV3 恒流源	4	100-240	50/60	塑料	出线	白色	空载保护 / 输出短路保护	40*20*16

UV3灯专用系列电源

UV3 Lamp Power Supply

电容



接线图

规格 Type	功率 W	输入电压 V	工作频率 Hz	外壳材质	接线方式	颜色	产品尺寸 mm
685J	3	120	60	树脂	出线	黄色	21*35
475J	3.5	220	50	树脂	出线	黄色	19.5*32
405J	3	220	50	塑料	出线	黑色	37*14*24

灯配件

Lamp accessories



G23灯座



2G11灯座



E17灯座



G10q灯座



G10q灯座



石英套管



G5灯座



G5灯座



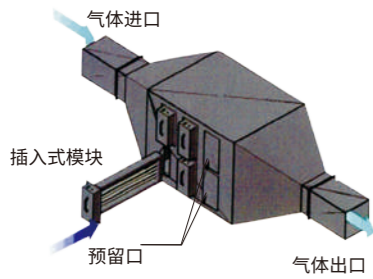
硅胶密封圈



铝反光罩

紫外线杀菌灯应用 UV germicidal lamp applications

光解氧化 Photolysis principle oxidation



WORK PRINCIPLE 工作原理

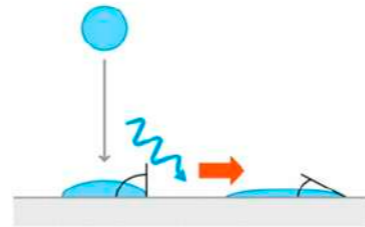
传统的油烟净化系统仅用药物处理。而广明源生产的臭氧紫外灯利用“光解氧化”原理，将油脂彻底分解并改变其存在的方式。对厨房油烟机中油脂进行“冷燃烧”，净化处理后无残留油脂成分，同进起到防火，彻底杀菌及去除异味的的作用。

It is Ozone Producing UV lamps, Lamps would replace Germicidal with Ozone Producing. It is the oxidation Process through the Ozone, and the Photolysis of the 185 nm wavelength that breaks down the Cooking Oils and Fats. The use of fats and cooking oils in a Commercial Kitchen causes deposits of these fats and cooking oils to build up inside the Exhaust Canopies. As the Grease Filters supplied to remove these aerosol deposits are only in the order of ~97% efficient, this allows over time for considerably deposits to build up inside the Exhaust Air Duct Work, making it a major Fire Hazard

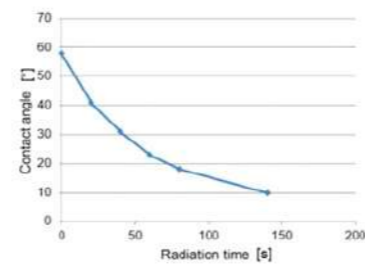
表面活化及清洁 Surface activation and cleaning

254nm和185nm波长的光子能量可以直接切断有机物分子中的共价键，使有机物分子活化。与此同时，185nm波长紫外光的光能量能将空气中的氧气(O₂)分解成臭氧(O₃)；而254nm波长的紫外光的光能量能将O₃分解成O₂和活性氧(O)，这个光敏氧气反应过程是连续进行的。在这两种短波紫外光的照射下，臭氧会不断的生成和分解，活性氧原子就会不断的生成，而且越来越多，由于活性氧原子(O)有强烈的氧化作用，与活化了了的有机物(即碳氢化合物)分子发生氧化反应，生成挥发性气体(如：CO₂，CO，H₂O，NO等)逸出物体表面，从而彻底清除粘附在物体表面上的有机污染物。

The photon energy of 254nm and 185nm wavelength can directly cut off covalent bonds in organic molecules and activate organic molecules. At the same time, the light energy of 185nm wavelength UV light can decompose oxygen (O₂) in air into ozone (O₃); while the light energy of 254nm wavelength can decompose O₃ into O₂ and reactive oxygen species. Photosensitive oxygen reaction is carried out continuously. In these two shortwave ultraviolet light irradiation, ozone will continue to generate and break down, reactive oxygen atoms will continue to generate, and more and more, due to the active oxygen atoms (O) have a strong oxidation, and activated (ie hydrocarbon) molecules to oxidize and generate volatile gases (such as CO₂, CO, H₂O, NO, etc.) to escape from the surface of the object, thus thoroughly removing the organic pollutants adhered to the surface of the object.



真空紫外线表面清洁晶片



紫外线杀菌灯应用 UV germicidal lamp applications

空气、水、物体表面消毒杀菌 Used for air water surface of object disinfection

紫外线能够提供微生物总数含量较低的健康空气，这改善了制药和食品加工行业的卫生用存储条件。空气中的微生物如病毒，细菌，酵母菌，真菌等，都会污染原材料和食品。由于紫外线短波具有超强的杀菌作用，因此它能减少空气中微生物的含量。微生物体内的DNA一旦受到紫外短波的辐射，它的结构就会遭到破坏并失去活性，从而被杀灭。

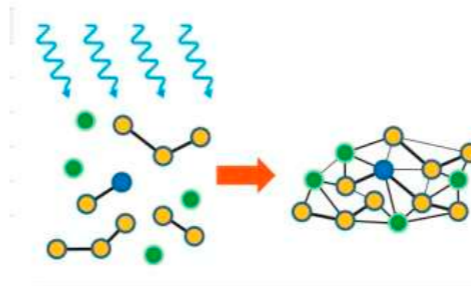
在处理一包装一储存过程中，受到的空气经过空气管道入口时即可被消毒，使空气中长期含有的细菌总数较低。此时只使用不产生臭氧的紫外灯即可；这种紫外灯使用特殊的石英玻璃可以过滤掉臭气。

Ultraviolet supply health air with low total number of microbe, improved the Health and storage conditions of the Pharmaceutical and food processing industry. the microbe in the air such as Viruses, germs, virus and fungal yeast all will pollute the raw material and food, Short wave ultraviolet have strong disinfection effect, it can reduce the content of the microbe in the air. The DNA structure in the microbe can be destroyed then lose activity to be killed. After the radiation of the short wave ultraviolet.

In the process of treatment-packing-storage, the polluted air can be disinfected when go through the air tunnel, reduce the total number of virus in the air. No ozone lamp can be used in this process.



光固化 Light curing



紫外线光 (UV) 固化是利用光引发剂 (光敏剂) 的光敏性，在紫外线光照射下光引发形成激发态分子，分解成自由基或是离子，使不饱和有机物进行聚合、接枝、交联等化学反应达到固化的目的。

UV light curing is the use of photoinitiator photosensitizer, in the light of ultraviolet light-induced excitation of the formation of eco-molecules, broken down into free radicals or ions, the unsaturated organic polymer polymerization, access technology, cross-linking and other chemical reactions to achieve curing purpose.

紫外线杀菌灯应用 UV germicidal lamp applications

光脱氯 Light dechlorination

氯通常用于游泳池、温泉SPA池的水消毒。当氯与汗液、尿液、脂肪或其他物质反应时，会产生副产物氯胺（联合氯）。消毒副产物也会出现在泳池水面上方，这些物质会被游泳者吸入，科学报告怀疑三氯胺（TCA）能引起儿童哮喘和过敏疾病。UV紫外线被证实是去除氯胺的可靠技术，紫外线包含了分解氯胺的能量（波长）。同时抗氯盐微生物，如隐孢子虫和鞭毛虫由人类或动物粪便进入室外游泳池，可被紫外线有效杀死。



Chlorine is usually used in swimming pools, water in spa pools. When chlorine reacts with sweat, urine, fat, or other substances, chloramine (combined chlorine) is byproduced. Disinfection by-products also appear on the surface of the pool, which can be inhaled by swimmers, and scientific reports suspect that trichloramine (TCA) causes childhood asthma and allergic disease. UV has proven to be a reliable technique for removing chloramine, which contains the energy (wavelength) that decomposes chloramine. Chlorine-resistant microorganisms, such as Cryptosporidium and Giardia, enter the outdoor pool from human or animal excrements and are effectively killed by UV light.

工业水处理 Industrial water treatment

生产用水: 工业生产中需要洁净的，经过消毒杀菌的用于多种用途的水，例如食品和饮料生产业以及化妆品，化工和汽车工业中的冲洗和清洁处理以及生产过程，其中的水都需要再循环和重新使用。

Industrial production requires a clean source of water for a multitude of purposes, such as food, Beverage, Cosmetics, Agriculture, Chemical, etc. Many of these Industries require the water to be Recycled and Reused.



饮用水: 卫生安全的饮用水供应是确保健康，防止疾病的重要因素。紫外杀菌灯可以对饮用水进行杀菌处理，无需使用化学品，对水的味道，气味或pH值没有影响。
特殊优点: 病原体不会产生对紫外线的耐受性。

A supply of clean Drinking Water, (Potable) is critical for Human consumption. Germicidal UV Light can provide Potable Water free from Human Disease causing Pathogens without changing the chemical characteristics of the water.

紫外线杀菌灯应用 UV germicidal lamp applications

去除异味 Used for removing the ODER

能产生臭氧的紫外线可用于去除异味。这些异味大都产生于商业化的厨房的排气和能产生强烈刺激气味的食品车间，像鱼店的排气管，食品加工工业，污水处理设备等。如果这些有刺激性气味的气体扩散到附近的居民区，将会产生气体污染。在有些国家如瑞典，人们制定了法律来控制废气的排放和处理，以减少来自餐馆的气体污染。有紫外线来处理废气是一个简单的方法，它能预防气体污染问题的产生，达到官方法律的要求，而且成本较低。



Ozone type of UV lamp can be used to removing the odor .which resulted from Commercial kitchen exhaust and the strong odor food workshop, such as fish shop exhaust pipe, food processing industry, waster water treatment system. If the odor spread into neighbouring residential area, the air will be polluted .If the odor spread into neighbouring residential area, the air will be polluted. In some country such as Sweden people formulated law to control the exhaust emission and processing to reduce air pollution from the restaurant. UV is an easy and economic way to treat the exhausting air, it can prevent the air from polluting, hence to be in accordance with the law.

紫外灯的优势

THE ADVANTAGES OF UV GERMICIDAL LAMP

- 高功率紫外灯技术：可产生大量的波长为 254nm 的紫外线（强大杀菌能力）和波长为 185nm 的紫外线（产生臭氧的能力很）
- 很容易改装到在现有的空气处理设备上的 • 操作简便

- Easy Operate
- No Secondary Pollution
- Simple To Install.

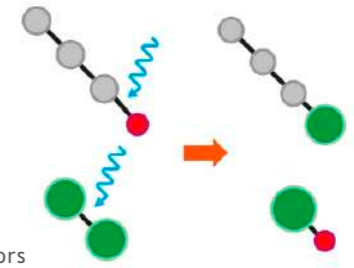
光化学 Photochemistry

在化学合成领域里，光化学工艺尤其适用于让反应快速和有选择地进行。通过选择不同的灯或使用过滤技术，不仅能够限制光谱范围，而且可以选择性地进行化学反应。

合成光化学不仅可以在间歇式反应器或直流式反应器中进行反应，而且能够进行大规模或小规模反应。与热工艺相反，光的感应反应可在室温下进行，由此，即使是不稳定的敏感物质也可以得到加工。风险和报废率得以降到最低。使用显微光反应器不仅实现了符合要求的反应过程，而且还能够加工重要（如具有爆炸危险）物质。

In the field of chemical synthesis, the photochemical process is particularly suitable for making the reaction fast and selective. By choosing different lamps or using filtration technology, not only the spectral range can be limited, but also chemical reactions can be selectively carried out.

Synthetic photochemistry can be carried out not only in batch reactors or in direct current reactors, but also in large-scale or small-scale reactions. In contrast to the thermal process, the light-induced reaction can be carried out at room temperature, whereby even unstable, sensitive substances can be processed. Risk and scrap rates are minimized. The use of microreactors not only enables the desired reaction process, but it also enables the processing of important (eg, explosive) substances.



碳纤维远红外线发热管
Carbon fiber far infrared heating tube

碳纤维红外线发热管命名规则
Naming Rule of Carbon fiber far infrared heating tube



L - 500mm - 220V - 1000W - R7s

A B C D E

- A** .表示灯的形状:L表示直管,U表示U形管,C表示C形管。
•said as lamp shape: L is for straight tube, U is for U tube, C is for C tube.
- B** .表示长度尺寸,单位为毫米(mm)。
•said as length dimensions, in millimeters (mm).
- C** .表示额定电压:单位为伏(V)。
•Said as rated voltage: the unit is volt (V).
- D** .表示额定功率:单位为瓦(w)。
•said as rated power: the unit is watts (w).
- E** .表示灯头型号,R7s。
•said as the lamp model, R7s.

碳纤维远红外线发热管

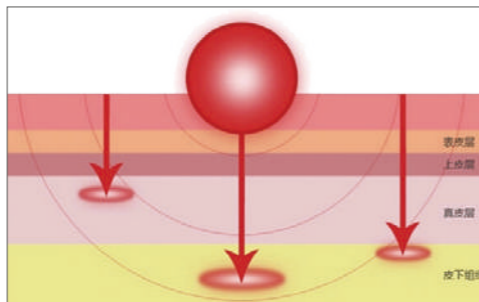
Carbon fiber far infrared heating tube

Far infrared heating lamp profile

远红外线发热管简介

远红外线发热管是一种区别于金属丝、卤素等传统电热管的高科技产品，具有使用寿命长、电热转换效率高、远红外线辐射、保健、节能环保等优异性能。远红外热感管主要发光部分由含碳量高于90%的无机高分子碳纤维构成，能量发射方式是以远红外辐射为主，它所发射的远红外波长在4um-14um之间，这段波长的远红外线谱被称为“生命之光”，占整体波长的80%以上。同时它能够被空气中的水分子吸收产生共振摩擦热效应，效地改善皮肤血液循环，促进新陈代谢，恢复皮肤正常需要的生理水分，预防或消除皮肤过敏，并且达到快速提高采暖环境温度的作用。

Far infrared heating lamp is a high-tech product, which different with the traditional electrical heating tube such as metal wire halogen and etc. With long life high efficient electrothermal energy conversion far infrared radiation health care energy saving and environmental protection so on advantages. Main illuminant part of far infrared heating lamp is inorganic polymer carbon fiber which consisting more than 90% carbon content Energy radiation way is mainly far infrared release, it release the far infrared wavelength between 4-14um, which is called the Light of Life, occupied more than 80% of the whole wavelength. At the same time, far infrared rays can be absorbed by the water molecule to resonate to lift the temperature, thus, the blood circulation is improved effectively, the metabolism boosted and renews the necessary moisture of skin, prevent or avoid allergy, rapid increase in warmth as well.



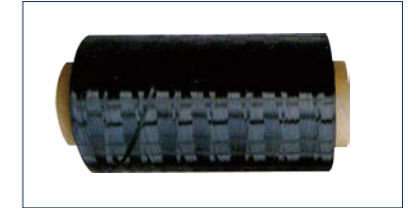
Carbon fiber far infrared heating tube construction

碳纤维远红外线发热管构造

封装材料采用高纯度脱羟基石英玻璃管，热膨胀系数极小，具有极高的热稳定性，能承受剧烈的温度变化而不炸裂（石英管好加热到1500℃，急速投入10℃水中也不炸裂）。石英玻璃是良好的耐酸材料及耐碱材料（氢氟酸除外），相当耐酸陶瓷的30倍，相当于不锈钢的150倍。

碳纤维发热体是本世纪最具竞争力的高科技材料，它的出现在电热领域掀起了一场新的革命，碳纤维发热体是一种纯黑体材料，是由聚丙烯腈和粘胶基碳纤维经特殊工艺复合而成，重量轻，强度大，钢度好，高模量，耐高温，高热能力强，耐磨，抗化学腐蚀，抗疲劳，高导电导热，膨胀系数小和具有远红外辐射等的新型的纤维状的碳材料，有效的保证了“远红外碳纤维电热管”的使用寿命，是替代金属发热体的一种必然趋势。

Capsulation material is chosen as high quality des-hydroxy quartz glass, which have small factor of expansion and high thermal stability, can bear smart changing temperature and will not crack (even if being put into water of 10℃ After being heated to 1500℃, they still will not crack). Quartz glass is a good acidity endurance material (except hydrofluoric acid), equal to 30 times of the acidity endurance of chinaware, and 150 times of that of stainless. carbon fibre heater is the most competitive high-tech material in this century, its appearance result in a new revolution of electrothermal field, infrared heater is a kind of pure black C fibre material, produced by polyacryl nitrile group and mucilage glue nitrile group carbon filament, which is light weight high intensity good rigidity high modulus high temperature resistance wear proof corrosion proof anti-fatigue high electric conduction and heat conduction low heat expansibility and far infrared radiation function. Guarantee the life of the “far infrared carbon heating lamp” effectively, certainly replace the metal heater in the future.



碳纤维原丝
Carbon fiber precursor



高纯度石英玻璃管
Far infrared heating lamp at work

碳纤维远红外线发热管

Carbon fiber far infrared heating tube

性能特点:

1. 安全:绝对防爆、无炫光、无紫外辐射,不伤眼睛、皮肤。
2. 超长寿命:长达8000h以上,一致性极佳,基本不用在产品寿命期内更换或维修灯管。
3. 节能:输出基本为红外线,比卤素管节能20%-30%,同样发热要求功率可做小25%左右。
4. 冷电阻比热电阻大,开机无冲击电流。
5. 反应迅速:2-5秒内可完全亮起。

应用范围:

理疗机、电暖器、暖风机、电热炕、壁炉、浴霸、光波房、桑拿、足温器、浴室取暖器等

直管型 Straight Type



型号 (Type)	电压 V	工作频率 Hz	功率 W	灯长度 mm	灯头 Base	寿命 H
L230mm 220V 700W	220	50/60	700	230	CABLE/PLUG	> 8000
L250mm 220V 600W	220	50/60	600	250	CABLE/PLUG	> 8000
L350mm 220V 1000W	220	50/60	1000	350	CABLE/PLUG	> 8000
L360mm 220V 700W	220	50/60	700	360	CABLE/PLUG	> 8000
L550mm 110V 1500W R7S	110V	50/60	1500	550	R7S	> 8000
L460mm 220V 1000W	220	50/60	1000	460	CABLE/PLUG	> 8000
L550mm 230V 1800W	230	50/60	1800	550	CABLE/PLUG	> 8000
L460mm 220V 900W	220	50/60	900	460	CABLE/PLUG	> 8000

Special Features:

1. Security: absolute unblast: no glare ultraviolet, not to hurt the eyes and skin.
2. Long life : up to 8000 hours , good consistency.
3. Energy : Almost all being the infrared ray, more save energy than popular hrater 20%-30%. Cool resistance is greater than the thermal.
4. Resistance, non-rush current during startup.
5. Start fast: 2-5seconds to fully light.

Applications:

Heater, electric kang, fireplace, Yuba, light room, sauna, foot warmer, bathroom heater, Industrial breeding heating etc.



Ω形管 (Ω Type Tube)



U形管 (U Type Tube)



C形管 (C Type Tube)

型号 (Type)	电压 V	工作频率 Hz	功率 W	灯长度 mm	灯头 Base	寿命 H
U175mm 220V750W	220	50/60	700	175	CABLE/PLUG	8000
V100mm 110V650W	220	50/60	900	100	CABLE/PLUG	8000
C200mm 110V500W R7S	220	50/60	800	200	R7S	8000
Ω形 220V900W	220	50/60	900		CABLE/PLUG	8000



R95



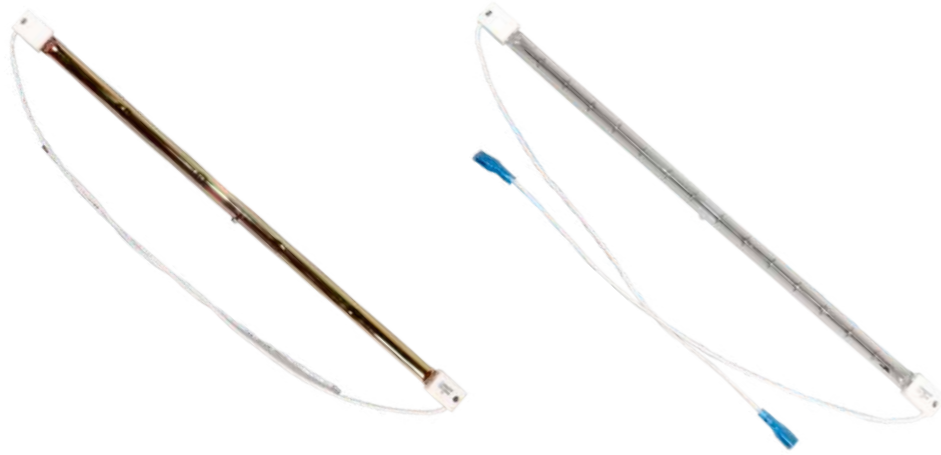
R125



PAR38

型号 (Type)	电压 V	工作频率 Hz	功率 W	灯长度 mm	灯头 Base	寿命 H
R95 220V150W	220	50/60	150	130	E26/27	> 8000
R125 220V150W	220	50/60	150	170	E26/27	> 8000
R125 220V250W	220	50/60	250	170	E26/27	> 8000
PAR38 220V150W	220	50/60	150	140	E26/27	> 8000
PAR38 220V250W	220	50/60	250	140	E26/27	> 8000

卤素红外线发热管 Halogen infrared heating tube

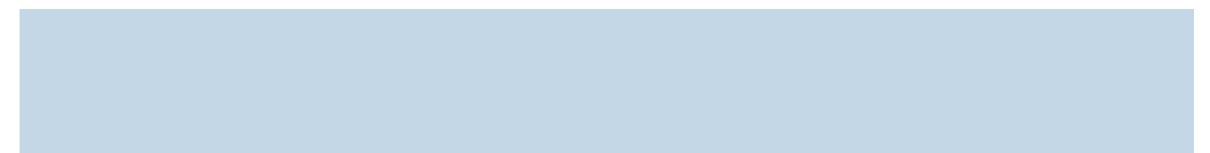
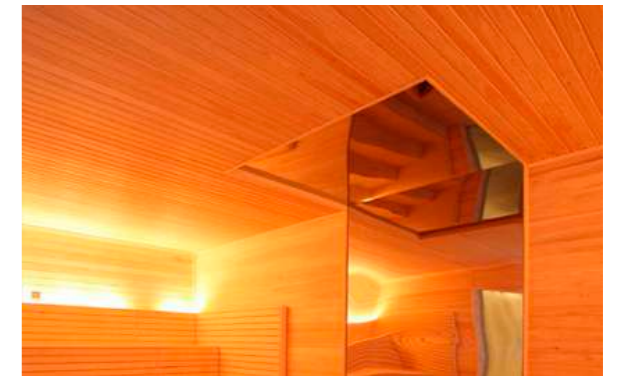


型号 (Type)	电压 V	工作频率 Hz	功率 W	灯长度 mm	灯头 Base	寿命 H
L350mm 220V 1000W	220	50/60	1000	350	CABLE/PLUG	> 8000
L350mm 220V 2000W	220	50/60	2000	350	CABLE/PLUG	> 8000

碳纤维远红外线发热管 Carbon fiber far infrared heating tube

Carbon fibre heater application 碳纤维远红外线发热管的应用

- 理疗与小家电:** 红外模块是便捷的家用健康和休闲产品,广明源公司提供做工精良的红外线灯管。它安装简便,可选带完整的镀金反射层,加热效能非常高。
- 食品:** 在食品行业选用红外辐射加热器是经济的选择。如用在巧克力的填充、顶部的棕色着色和面包的消毒。红外辐射加热无需与加热材料接触,且只针对需要加热的区域,因此采用红外辐射加热食品能达到需要的温度,卫生并且不必担心加热过度。
- 半导体:** 红外辐射加热无需与加热材料直接接触,但效果非常理想。
- 木材:** 木材水基涂层、光漆和粉末涂层等烘干,同时保证不损坏木材的材质。
- Painting industry:** GMV heater is suitable for different types of coating.It easily absorb water and water-based paint,both debase cost and improve quality,Itgeatly improve the speed and Efficiency of drying.
- Print:** Drying ink rapidly,reduce the pressing of paper and machine.
- Shoe and leather industry:** Energy saving,environment protection and efficient.
- Plastic industry:** Fast switching,energy saving,longlife,lower costs.
- Glass industry:** Heating uniformiyt,precise temperature control.
- Home appliance** Longlife,Energysaving,Green heating effect of ideal
- Woodmsking** Wodd drying without damage.



碳纤维远红外线发热管

Carbon fiber far infrared heating tube

Carbon fibre heater application

碳纤维远红外线发热管的应用

- 涂装行业:红外灯发热管能完美的契合不同的涂装类型。能很好地被水分或者水基涂料吸收,即节省成本又提高质量。而对其他类型涂装来说,红外线能穿透涂层进而直接对基材进行平缓的加热。通过红外加热,涂层能安全地达到预定的高温。与传统方式如热风相比,大大提高了干燥速度与效率。如金属板的粉末涂层固化/木板水基漆固化。
- 印刷:金反射李管红外灯可大大提高油墨的干燥速度,降低纸张和机械的热压。
- 制鞋/皮革:应用于贴底生产线及皮革压纹机等,超级节能及提高生产速度,为企业节省成本和减少劳动力。无炫光无紫外线,不伤眼睛。
- 纺织:在纺织行业里,印染的染料干燥,面料压合或印花等。ZIGAO红外灯完全抗震设计,无炫光使纺织生产现代化,提高了质量。
- 塑料:在塑料行业有着非常广泛的应用:如塑料焊接、薄膜拉伸和吹膜、PET瓶吹塑等。能快速开关,即节省了能源,又降低了生产成本。
- 汽车的应用:地毯成型,雨刮器的焊接,车窗玻璃网印油墨的干燥,红外加热技术为汽车行业的制造商和供应商的成本控制提供了优势。
- 玻璃:应用于玻璃网印油墨的干燥,夹层玻璃和镜子的切割,在退火时,红外加热器非常理想,因为它对各个层面温度的控制非常精确。



金卤灯

Metal halide lamp



金卤灯命名规则

Naming Rule of Metal halide lamp

MHQ - S - 150W - 3000K - G12

A B C D E

- A** 表示气体放电灯的类型, MHQ标示石英金属卤化物灯, MHC表示陶瓷金属卤化物灯;
said as the type of gas discharge lamp, MHQ is for metal halide lamp, MHC is for ceramic metal halide lamp;
- B** 表示灯的管型: "S"表示单端管型; "D"表示双端管型; "T"表示直管T型管体; "PAR"表示PAR灯杯型;
said as lamp model type: "S" means single-ended tube type; "D" means double-tube type; "T" means straight tube T-tube body; "PAR" means PAR lamp type.
- C** 表示灯功率: 单位为瓦(W).
said as lamp power, the unit is (W);
- D** 表示色温: 单位为瓦(K).
said as color temperature, the unit is (K);
- E** 表示灯头型号, G12、FC2、R7S、E27、E40。
Said as lamp holder type, G12, FC2, R7S, E27, E40.

举例: MHQ-S 150W 3000K G12表示: 单端, G12灯头, 功率150W, 色温3000K的金卤灯产品。

Example: MHQ-S 150W 3000K G12 said: single-ended, G12 lamp, power 150W, color temperature 3000K metal halide products.



金卤灯

Metal halide lamp

性能特点:

1. 光效高, 显色性好, 寿命长, 光衰小, 颜色多样性;
2. 体积小、结构紧凑;
3. 多种色温选择: 3000K、5500K、14000K;
4. 转为动物和植物设计, 满足各种生物的生长需求。

Special Features:

1. High luminous efficiency, good color rendering, long life, low light failure, color diversity;
2. Small size, compact structure;
3. A variety of color temperature options: 3000K, 5500K, 14000K;
4. Designed for animals and plants to meet the growth needs of various organisms.



MHQ-D	MHQ-D	MHQ-T	MHQ-S				
规格 Type	功率 W	输入电压 V	电流 A	光通量 LM	色温 K	寿命 H	灯头 Base
MHQ-D 70W 3000K	70	220	0.98	6000	3000	5000	RX7S
MHQ-D 70W 5500K	70	220	0.98	5000	5500	5000	RX7S
MHQ-D 70W 14000K	70	220	0.98	3200	14000	5000	RX7S
MHQ-D 150W 3000K	150	220	1.8	16000	3000	5000	RX7S
MHQ-D 150W 5500K	150	220	1.8	10000	5500	5000	RX7S
MHQ-D 150W 14000K	150	220	1.8	9500	14000	5000	RX7S
MHQ-D 250W 3000K	250	220	2.1	20000	3000	5000	FC2
MHQ-D 250W 5500K	250	220	2.1	16500	5500	5000	FC2
MHQ-S 70W 3000K	70	220	0.98	6000	3000	5000	G12
MHQ-S 70W 5500K	70	220	0.98	5000	5500	5000	G12
MHQ-S 150W 3000K	150	220	1.8	16000	3000	5000	G12
MHQ-S 150W 5500K	150	220	1.8	10000	5500	5000	G12
MHQ-T 70W 3000K	70	220	0.98	6000	3000	5000	E40
MHQ-T 70W 5500K	70	220	0.98	5000	5500	5000	E40
MHQ-T 150W 5500K	150	220	1.8	10000	5500	5000	E40
MHQ-T 250W 3000K	250	220	2.1	22500	3000	5000	E40
MHQ-T 400W 4000K	400	220	3.2	40000	4000	5000	E40
MHQ-T 400W 5500K	400	220	3.2	25000	4000	5000	E40

金卤灯 Metal halide lamp



MHQ-PAR38

MHQ-PAR30

MHQ-PAR30

MHQ-PAR20

规格 Type	功率 W	输入电压 V	电流 A	色温 K	UVB值 ($\mu\text{W}/\text{cm}^2$)	寿命 H	灯头 Base
MHQ-PAR20 35W 4000K	35	220	0.52	4000	65-100	5000	E27
MHQ-PAR20 35W 6000K	35	220	0.52	6000	75-150	5000	E27
MHQ-PAR30 35W 4000K	35	220	0.52	4000	85-170	5000	E27
MHQ-PAR30 35W 6000K	35	220	0.52	6000	105-230	5000	E27
MHQ-PAR30 50W 4000K	50	220	0.68	4000	85-170	5000	E27
MHQ-PAR30 50W 6000K	50	220	0.68	6000	105-230	5000	E27
MHQ-PAR30 70W 4000K	70	220	0.98	4000	100-200	5000	E27
MHQ-PAR30 70W 6000K	70	220	0.98	6000	150-300	5000	E27
MHQ-PAR30 100W 4000K	100	220	1.1	4000	120-220	5000	E27
MHQ-PAR30 100W 6000K	100	220	1.1	6000	130-260	5000	E27
MHQ-PAR38 70W 4000K	70	220	0.98	4000	85-170	5000	E27
MHQ-PAR38 70W 6000K	70	220	0.98	6000	130-260	5000	E27
MHQ-PAR38 150W 4000K	150	220	1.8	4000	85-200	5000	E27
MHQ-PAR38 150W 6000K	150	220	1.8	6000	190-380	5000	E27
MHQ-PAR38 150W 6000K	150	220	1.8	4000	150-300	5000	E27
MHQ-PAR38 150W 6000K	150	220	1.8	6000	500-700	5000	E27

宠物灯

UVA波段, 波长320~400nm, 又称为长波黑斑效应紫外线。它有很强的穿透力, 可以穿透大部分透明的玻璃以及塑料。日光中含有的长波紫外线有超过98%能穿透臭氧层和云层到达地球表面, UVA可以直达肌肤的真皮层, 破坏弹性纤维和胶原蛋白纤维, 将我们的皮肤晒黑。

UVB波段, 波长275~320nm, 又称为中波红斑效应紫外线。中等穿透力, 它的波长较短的部分会被透明玻璃吸收, 日光中含有的中波紫外线大部分被臭氧层所吸收, 只有不足2%能到达地球表面, 在夏天和午后会特别强烈。UVB紫外线对人体具有红斑作用, 能促进体内矿物质代谢和维生素D的形成。



水族照明

- 1、强光的设计特别适合水草, 热带鱼类及海洋生物的生长, 并促进珊瑚及无脊椎动物生长;
- 2、多种色温选择: 8000K、10000K、14000K、20000K, 可制作各种颜色, 是海水水族理想的照明;
- 3、良好的光照让造景呈现出最美的景观;



Pet light

UVA band, wavelength 320 - 400nm, also known as long-wave black spot UV effect. It has a strong penetration, can penetrate most of the transparent glass and plastic. More than 98% of the long-wave ultraviolet light contained in sunlight can penetrate the ozone layer and clouds to reach the Earth's surface. UVA can reach the dermis of the skin, destroy the elastic fibers and collagen fibers, and tan our skin.

UVB band, wavelength 275 - 320nm, also known as the role of the infrared wave erythema. Moderate penetration, its shorter wavelength will be absorbed by the transparent glass, most of the daylight UVB is absorbed by the ozone layer, less than 2% can reach the Earth's surface, in the summer and afternoon will be particularly strong. UVB on the human body with erythema effect, can promote the body's mineral metabolism and vitamin D formation.

Aquarium lighting

1. The design of glare is particularly suitable for the growth of aquatic plants, tropical fish and marine life, and promote the growth of corals and invertebrates;
2. A variety of color temperature options: 8000K, 10000K, 14000K, 20000K, can produce a variety of colors, is the ideal marine aquarium lighting;
3. Good lighting for landscaping showing the most beautiful landscape;

脉冲氙灯
Pulsed xenon lamp

IPL脉冲氙灯产品命名规则
Naming Rule of Pulsed Xenon Lamp



XMZ	3	-	30	P	25
—	—	—	—	—	—
A	B		C	D	E

- A**
 - 表示灯管的类型, X表示氙灯, M表示脉冲; Z表示直管, H代表环形管, O 代表 U 形管, L 代表螺旋形管;
 - said as type of lamp, X means xenon lamp, M means pulse; Z means straight pipe, H means ring pipe, O means U pipe and L means spiral pipe;
- B**
 - 表示灯管的内径, 单位为毫米 (mm);
 - said as tube diameter, in millimeters (mm);
- C**
 - 表示灯管的弧长, 单位为毫米 (mm);
 - said as tube arc length, in millimeters (mm);
- D**
 - 表示灯管的材料, P 代表普通石英玻璃, L代表虑紫外线玻璃, Y 代表硬质玻璃;
 - said as lamp material, P on behalf of the ordinary quartz glass, L that UV filter glass, Y on behalf of hard glass;
- E**
 - 表示灯管的寿命次数, 单位是万次;
 - said as the number of life of the lamp, the unit is million times

举例: 型号为 XMZ3-30P25 的产品, 代表是直形管脉冲氙灯, 内径为 3mm, 弧长为 30mm, 玻璃材料为普通石英玻璃, 寿命是 25 万次。
For example: Model XMZ3-30P25 products, on behalf of a straight tube pulse xenon lamp, an inner diameter is 3mm, arc length is 30mm, the glass material is ordinary quartz glass, life is 250,000 times.

IPL 脉冲氙灯的定义:

1. IPL是Intense Pulsed Light的缩写, 意思为强脉冲光;
2. IPL脉冲氙灯是一种利用贮存的电能或化学能, 在极短时间内发生高强度闪光的氙气灯, 它是属于弧光放电型的气体放电灯。

IPL pulse xenon lamp definition:

1. IPL is the abbreviation of Intense Pulsed Light, meaning strong pulsed light;
2. IPL pulse xenon lamp is a use of stored energy or chemical energy, in a very short period of time high-intensity flash xenon lamp, which belongs to the arc discharge type gas discharge lamp.

脉冲氙灯

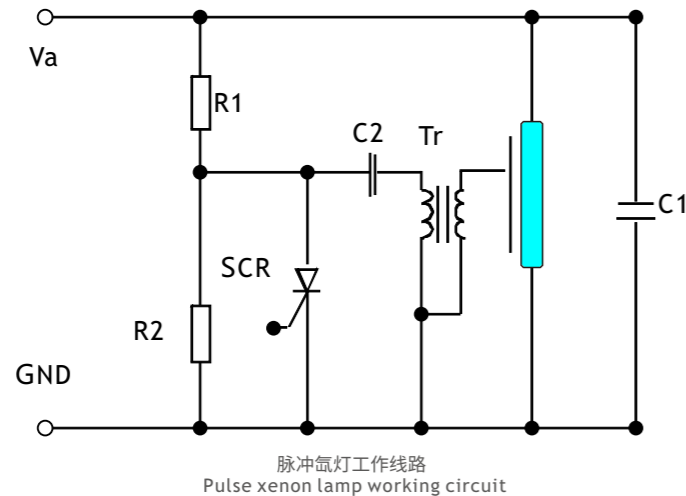
性能特点

1. 脉冲氙灯的波长范围很广，光谱在160~1000nm，辐射光谱能量分布和太阳光相接近，色温约为6000K；
2. 连续光谱部分的光谱分布几乎和灯输入功率变化无关，在寿命期内光谱能量分布也几乎不变；灯的光、电参数一致性好，工作状态受外界条件变化的影响小；
3. 灯一经燃点，几乎是瞬时即可达到稳定的光输出，灯灭后，可瞬时再燃点；
4. 脉冲氙灯的光度强、闪光时间短，是除激光外亮度最高的人造光源，它的瞬时光通量可达100lm；
5. 脉冲光中较短波长光可用来淡化皮肤上的斑点及收缩毛细血管，增加皮肤胶原纤维及弹性蛋白；而较长波长光能有效的破坏毛囊，使毛发枯萎达到永久脱毛的目的。

工作过程

触发电路:在触发阶段工作在可控硅的触发极加一触发信号，可控硅导通，电容C2通过可控硅和脉冲变压器放电，在变压器的次级获得高压脉冲，触发灯管。

主放电电路:在主放电阶段工作由于触发丝上施加的高压脉冲，使得灯内产生电离火花线，火花线大大减少了灯的内阻，使电容C1中贮存的大量能量在极短的时间内通过脉冲灯放出，产生极为强烈的闪光。



Pulsed xenon lamp

Special Features:

1. Pulse xenon lamp wavelength range is very wide, the spectrum at 160- 1000nm, the energy spectrum of the radiation spectrum close to the sun, the color temperature is about 6000K;
2. The spectral distribution of the continuous spectrum is almost independent of the change of the input power of the lamp, and the energy distribution of the spectrum is almost unchanged during the lifetime. Lamp light, electrical parameters of good consistency, working conditions subject to changes in external conditions is small;
3. Once the lamp is lit, it can reach a stable light output almost instantaneously; after the lamp is extinguished, it can be re-ignited instantaneously;
4. High brightness、 flash time is short, in addition to laser light outside the highest artificial light source; its instantaneous luminous flux up to 100lm;
5. Pulsed light of the shorter wavelength light can be used to dilute the spots on the skin and shrink the capillaries, increase the skin collagen fibers and elastin; and longer wavelengths of light can effectively damage the hair follicles, the hair wilted to achieve the purpose of permanent hair removal.

Work process

Trigger circuit: work in the trigger phase In the SCR trigger plus a trigger signal, thyristor conduction, capacitor C2 through the thyristor and pulse transformer discharge, the transformer secondary access to high-voltage pulse, trigger lamp.

Main discharge circuit: work in the main discharge phase Due to the high voltage pulse applied on the trigger wire, the ionized sparking wire is generated in the lamp. The sparking wire greatly reduces the internal resistance of the lamp, so that a large amount of energy stored in the capacitor C1 is discharged by the pulse lamp in a very short period of time, resulting in extremely intense flash.

脉冲氙灯

广明源脉冲氙灯的优势

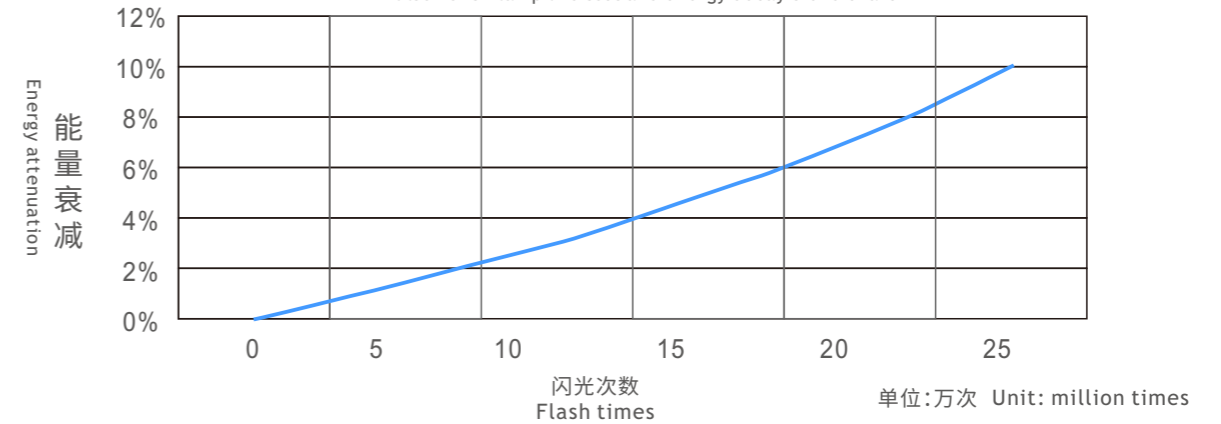
1. 材料优势: 选用最优质等级的高纯度石英玻璃管，耐高温、抗弧光、玻璃透射性良好、UV穿透性强、比硼硅玻璃管承受功率高3~10倍；
2. 技术优势: 多年特种光源及气体放电灯研发技术，以及独有的石英玻璃夹封及排气技术，保证灯管有效寿命≥250000次以上，慢性漏气比例远远低于同行；
3. 设备优势: 拥有机器设备开发部，自主研发的高真空排气设备，使制作出来的灯管寿命更好，可以承受更大功率的闪光冲击，保证灯管在寿命次数内的能量衰减≤20%；
4. 成本优势: 国内最大石英卤素灯制造商，使我们采购石英玻璃管的价格更有优势；自动化生产设备，规模化生产，精益生产工具的应用，很好的控制生产成本和产品质量。

Pulsed xenon lamp

Advantage of GMV's UV Lamp

1. Material Advantages: The best grade of high purity quartz glass tube, high temperature, anti-arc, good glass transmittance, UV penetration strong than borosilicate glass tube withstand high power 3 to 10 times;
2. Technical advantages: Years of special light source and gas discharge lamp research and development technology, and unique quartz glass clamp and exhaust technology to ensure that the effective life of more than 250,000 times the lamp, the proportion of chronic ailments is far lower than their peers;
3. Equipment advantages: Own equipment development department, independent research and development of high vacuum exhaust equipment, make the lamp life better, you can withstand more powerful flash impact, to ensure that the life of the lamp tube energy attenuation ≤ 20%;
4. Cost advantages: The largest manufacturer of quartz halogen lamps in China makes us more advantageous in the price of purchasing quartz glass tubes; the automation of production equipment, large-scale production and the application of lean production tools can well control the production cost and product quality.

脉冲氙灯寿命测试和能量衰减趋势图
Pulse xenon lamp life test and energy decay trend chart



IPL 脉冲氙灯的参数 IPL pulse xenon lamp parameters

型号 Type	管径 mm	总长 mm	弧长 mm	启动电压 V	触发电压 KV	电气能量 Ws	闪光电容 μF	闪光间隔 秒/次	闪光寿命 万次
XMZ2-30L30	4.0±0.1	51±1.0	30±1.0	250	10	86	1400	3	30
XMZ2.35-30L25	3.95±0.1	50±1.0	30±1.0	200	8	74	1200	3	25
XMZ2.35-30L10	3.95±0.1	50±1.0	30±1.0	200	8	61	1000	3	10
XMZ2.6-27L15	3.6±0.1	48±1.0	27±1.0	200	8	65	1200	3	15
XMZ6-47L50	8±0.1	107±1.0	47±1.0	250	15	200	2700	3	30

脉冲氙灯

IPL 脉冲氙灯的应用

强脉冲光的光谱输出稳定和可重复性,这样的光源经筛选后,波长从420~1200nm可创造更多和更新的用途。

脉冲氙灯发出的强光,提供了弹性和大范围的光分布,因为光谱最接近太阳光,石英玻璃具有特殊光学特性,透光率高、抗弧光等优势,使闪光灯具有高亮度、寿命长的特点。

脉冲氙灯被广泛用作:

- 摄影、拍照
- 航海船舶、灯塔
- 警示灯光源
- 舞台灯光
- 国防、航空飞机
- 频闪测速仪器
- 广告装置
- 分析测量仪器等



Pulsed xenon lamp

Applications

Strong pulse light spectral output stability and repeatability, such a light source after screening, the wavelength from 420 ~ 1200nm can create more and newer uses.

Pulsed xenon lamp light, providing flexibility and a wide range of light distribution, the spectrum closest to sunlight, quartz glass has special optical properties, high transmittance, anti-arc and other advantages, the flash has high brightness, long life.

Is commonly used as:

- Photography
- Nautical vessel, lighthouse
- Warning light source
- Stage lighting
- Defense, aviation aircraft
- Strobe speed measuring equipment
- Advertising device
- Analysis of measuring instruments

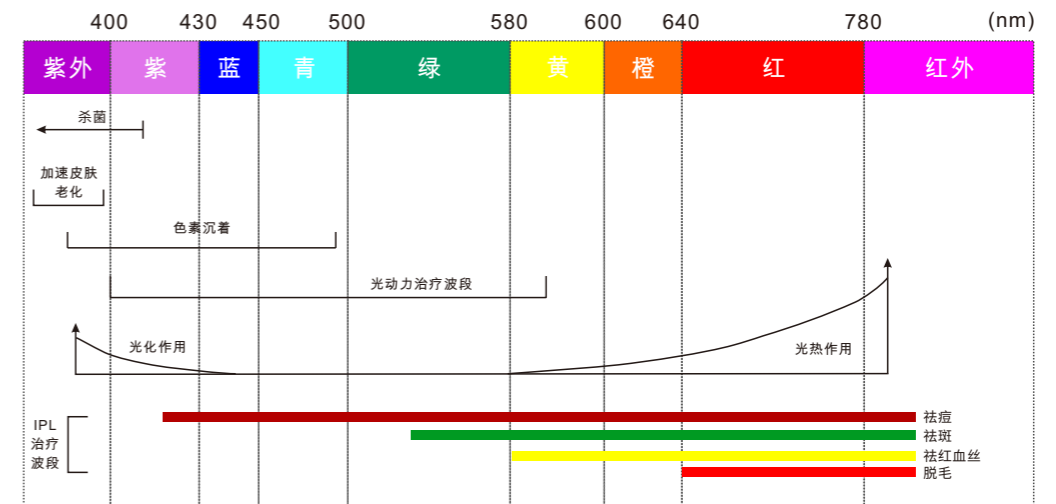


脱毛机

强脉冲光中较低波长之光谱 (420nm、540nm),能穿透皮肤组织,光热作用还可刺激真皮层的胶原纤维和弹性纤维使之重新排列,形成新的胶原组织,从而达到治疗毛细血管扩张、淡化色斑和消除皱纹的效果;较长之光谱(640~1200nm)能有效地深入皮肤的底层,产生的热能会枯萎毛囊的黑色素细胞,最终达到永久脱毛的目的。

Hair removal machine

IPL lower spectral wavelengths (420nm, 540nm), can penetrate the skin tissue, photothermal rearrangement can stimulate dermal layer of collagen fibers and elastic fibers so as to form new collagen tissue to achieve the therapeutic capillary vasodilation, lighten the stain and eliminate the effect of wrinkles; longer spectrum (640 ~ 1200nm) can effectively penetrate the bottom of the skin, the heat generated will wilt hair follicle melanocytes, and ultimately achieve the purpose of permanent hair removal.



脉冲氙灯在美容脱毛仪上的应用光谱
The spectrum of a pulsed xenon lamp on the hair removal machine

