



Shanghai Corona Technology Co., Ltd.  
CORONA Systemtechnik GmbH

## Special Light Series



How well do you know **CORONA**?

We have been selling hightech products from many wellknown manufacturers as well as our own since 1991. In order to deepen our motto: "better quality, lower cost", so we choose the model "German technology, made in China", we established our Chinese manufactures base in Natong and Wuhan, our Chinese office in Shanghai.

Our Natong manufacture base is specialized in special light: infra heating tubes, UV lamp, xenon flash tube and LED. We adhere strictly to ISO9002 quality certification system and perfect measurement instruments.

With more than 20 years experiences and persistent innovation, we try our best to provide our customers excellent products and services.

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## IR infrared lamp



**Golden halogen lamp**



**Halogen lamp**

**Features:** rapid warming, long life, small thermal inertia

**Application:** shoe machines, leather machines, heating devices, sterilization cabinets, paint machines, optical air conditioning, dry curing and food processing.

Model	Power W	Voltage V	Color temperature K	Peak wavelength um	Life H	Diameter mm	Size mm
CIR-I	300	120	980-1380	2.5-4.5	5000	8-10	200-450
CIR-I	325	120	980-1380	2.5-4.5	5000	8-10	200-450
CIR-I	400	120-240	980-1380	2.5-4.5	5000	8-10	200-550
CIR-I	500	120-240	980-1380	2.5-4.5	5000	8-10	200-550
CIR-I	600	120-240	980-1380	2.5-4.5	5000	8-10	250-600
CIR-I	800	120-240	980-1380	2.5-4.5	5000	8-10	250-800
CIR-I	1000	120-240	980-1380	2.5-4.5	5000	10-12	300-1500
CIR-I	1200	120-240	980-1380	2.5-4.5	5000	10-12	350-1500
CIR-I	1500	120-380	980-1380	2.5-4.5	5000	10-12	300-1500
CIR-I	1800	120-380	980-1380	2.5-4.5	5000	10-12	350-1500



## SW series (short wave)



**Halogen Dual tube**



**Shortwave infrared tube**

**Feature:** small, high power, heating up rapidly, thermal inertia are very small and long lived. Right Plane infiltration good thing

**Application:** the shoe, plastic blowing machine, wet curtain manufacturing, dyeing printing, acrylic production, food processing, pre shrinking machines stereotypes on the pipeline drying and heating. Its specific radiation properties of the work piece 0.5-120m/min meet the rapid rate of drying molding; Ovens, furnaces and other fast heated to high temperatures baking.

## SW halogen

Model	Power W	Voltage V	Color temperature K	Peak wavelength um	Life H	Diameter mm	Size mm
CSW-I	400	110-240	2450	1.0-1.5	5000	8-10	160-254
CSW-I	500	110-240	2450	1.0-1.5	5000	8-10	160-254
CSW-I	600	110-240	2450	1.0-1.5	5000	8-10	180-500
CSW-I	700	110-240	2450	1.0-1.5	5000	8-10	254-800
CSW-I	750	110-240	2450	1.0-1.5	5000	8-10	254-800
CSW-I	800	110-240	2450	1.0-1.5	5000	8-10	254-800
CSW-I	1000	110-240	2450	1.0-1.5	5000	10-12	350-800
CSW-I	1300	110-240	2450	1.0-1.5	5000	10-12	350-800
CSW-I	1500	110-240	2450	1.0-1.5	5000	10-12	350-800
CSW-I	1600	220-380	2450	1.0-1.5	5000	10-12	350-800
CSW-I	2000	220-380	2450	1.0-1.5	5000	10-12	350-800



## IR infrared light



**Halogen IR color tube**



**Halogen U-shaped tube**



**Halogen straight tube**



**Halogen special tube**

**Features:** rapid warming, long life, small thermal inertia.

**Applications:** heating devices, sterilization cabinets, paint machines, optical air conditioning, dry curing and food processing.

Model	Power W	Voltage V	Color temperature K	Peak wavelength um	Life H	Diameter mm	Size mm
CIR-w	300	120	1580	2.5-4.5	5000	8-10	200-450
CIR-w	325	120	1580	2.5-4.5	5000	8-10	200-450
CIR-w	400	120-240	1680	2.5-4.5	5000	8-10	200-550
CIR-w	500	120-240	1680	2.5-4.5	5000	8-10	200-550
CIR-w	600	120-240	1680	2.5-4.5	5000	8-10	250-600
CIR-w	800	120-240	1680	2.5-4.5	5000	8-10	250-800
CIR-w	1000	120-240	1680	2.5-4.5	5000	10-12	300-1500
CIR-w	1200	120-240	1680	2.5-4.5	5000	10-12	350-1500
CIR-I	1800	120-380	980-1380	2.5-4.5	5000	10-12	350-1500



## LW carbon infrared



**Diplopore carbon tube**



**Carbon straight tube**



**Carbon Ring**

**Features:** Suitable for human physiological absorption wavelength, the colors are soft, resistance to vibration, starting current of small, energy-saving.

**Application:** heaters, physiotherapy equipment, low-temperature oven, paint machine

### Straight tube

Model	Power W	Voltage V	Color temperature K	Peak wavelength um	Life H	Diameter mm	Size mm
CLW-I	300	100-240	750	4.0-9.5	6500	8-10	250-600
CLW-I	500	100-240	980	3.0-9.3	6500	10-11.5	250-600
CLW-I	600	100-240	1000	2.8-8.0	6000	10-11.5	250-600
CLW-I	800	100-240	1050	2.7-7.6	6000	10-11.5	350-800
CLW-I	900	100-240	1100	2.6-5.5	5000	10-11.5	350-800
CIR-w	1000	120-240	1200	2.5-5.0	5000	10-11.5	350-800
CIR-w	1200	120-240	1250	2.3-4.8	5000	10-11.5	550-1000
CIR-I	1500	120-240	1300	2.3-4.5	5000	10-11.5	550-1000

### Circle Ω special shape

Model	Power W	Voltage V	Color temperature K	Peak wavelength um	Life H	Diameter mm	Size mm
CLW-CS	300	100-120	700	4.25-5.5	6500	10-12	60-80
CLW-CS	500	100-120	800	4.0-5.0	6500	10-12	60-80
CLW-CS	600	100-120	900	3-5.5	6000	10-12	60-100
CLW-CS	900	100-120	950	2.5-5.5	5000	10-12	80-120
CLW-CS	1000	100-120	1050	2.6-5.2	5000	10-12	100-140
CLW-CS	1200	100-120	1100	2.5-5.0	5000	10-12	100-160
CLW-CS	1500	100-120	1250	2.0-4.6	5000	10-12	120-160
CLW-CS	300	220-240	850	3.0-6.0	6500	10-12	80-100
CLW-CS	600	220-240	1000	2.5-5.5	6000	10-12	80-100
CLW-CS	800	220-240	1100	2.2-5.2	5000	10-12	90-120
CLW-CS	1000	220-240	1250	2.0-4.6	5000	10-12	90-140
CLW-CS	1200	220-240	1350	2.0-4.4	5000	10-12	100-160



## UV series



Jia iodine ultraviolet light UVA, use high quality low-hydroxyl quartz, which effectively ensure the highest peak of 365nm UV radiation transmission to reduce the light failure, greatly increased the efficiency and life. Widely used in footwear, plastic, metal, paper, fiber, printing, proofing and other industries.

In order to better serve customers, according to different needs of customers, customize the main peak of the corresponding radiation of different products to meet customer requirements.

Model	Power W	Voltage V	Total Length mm	Arc length mm	Tube diameter mm	Pipe Pressure V	Life H
CJD-1	1000	220	190	70	20	125	800
CJD-2	2000	220	210	105	25	130	800
CJD-2	2000	220	270	155	25	130	800
CJD-2	2000	380	400	250	23	250	800
CJD-2	2000	380	270	155	30	240	800
CJD-3	3000	380	270	155	35	240	800
CJD-3	3000	380	550	400	35	600	800
CJD-4	4000	380	260	110	35	235	800
CJD-6	6000	380	290	140	35	235	800

**Corona** develops and produces continuous arc and Flash lamps. Xenon/Krypton specialty lighting sources are successfully used in many laser and non-laser applications such as drilling, welding, cutting, marking, engraving, medical and aesthetic applications as well as sun-simulation.

All lamps are 100% tested to ensure expensive down time is avoided, the life time is more than 6 Million times.



## CW (continuous wave) lamps

CW (continuous wave) lamps are gas discharge lamps that are mainly used in marking lasers and lasers for welding and cutting. Corona offers CW lamps in a wide range of power and design, either made to customer specification or as standard replacement lamps.

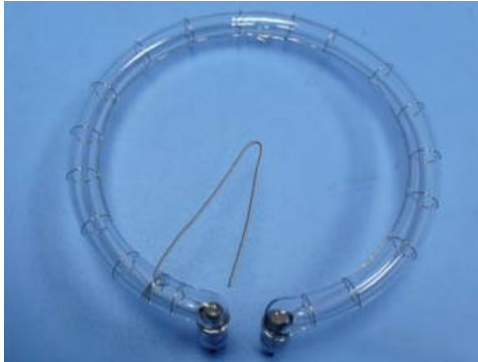


## Flash lamps

Flash lamps are gas discharge lamps that are used in many applications. By far the most demanding of these is the optical pumping of lasers. The high optical power per pulse requires the best materials and designs to achieve long lifetimes. Corona manufactures customized flash lamps in a wide range of power and design as well as standard replacement lamps.

With an innovative technology that optimizes the quartz glass envelope, gas fill and electrode design, Corona flash lamps combine high pulse energy and very long lifetime. For cosmetic pulsed light applications like hair removal and skin rejuvenation, specially designed flash lamps are available. Also for flash lamp applications like UV curing and sun simulation, Corona works closely with customers to design the optimum lamp. Please specify your exact requirements and operating conditions and send us, we will provide you with a quotation.

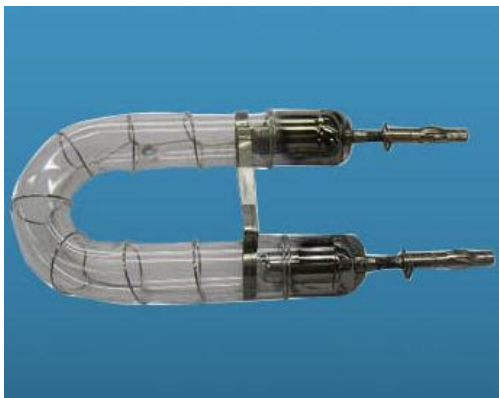




**Circle**



**Linear**



**U shaped**



**Helix shaped**



**Special shaped**







## Spherical xenon lamp

Model	Power W	Voltage V	Work voltage V	Work current		Luminous flux lm	Dimension mm					Air velocity m/s
				A			Total length L	Installation length L	OD D	Center Height H	Polar distance D	
				Standard	Working range							
CXQ150	150	50-	18.5	8	5~8	3000	150	125	19	62	2.4	-
CXQ350	350	50-	22	16	15~17	11500	133	120	23	65	2.9	-
CXQ500	500	50-	20	25	17~25	14200	175	150	31	73	4.0	-
CXQ1000	1000	65-	22	45	38~45	30000	215	190	40	85	4.5	-
CXQ1000-3	1000	65-	22	45	38~45	32000	200	175	40	80	4.5	-
CXQ2000	2000	65-	28	70	45~70	70000	360	320	50	145	6.0	5
CXQ3000	3000	65-	30	100	60~100	110000	400	365	55	170	6.5	10
CXQ4000	4000	65-	30	130	70~130	155000	420	380	60	170	6.5	13
CXQ5000	5000	65-	34.5	145	80~145	200000	425	390	70	175	7.5	13
CXQ7000	7000	65	43	160	100~160	346000	425	390	75	175	10	15
CXQ10000	10000	65	55	180	100~170	500000	483	434	85			17
CXQ12000	12000	65	56	205	205	550000	483	434	90			17



## Spherical mercury xenon lamp



Model	Power W	Voltage V	Work voltage V	Work curren t A	Luminous flux lm	Dimension mm					Air velocity m/s	Model
						Total length L	Installation Length L	O D D	Center Height	Polar distance		
GXQ500	500	50-	25	20	≤30	175	147	31	76	3.2	vertical	nature
		75-	35	14	≤30					3.6		
		110	50	10	≤20					5.2		
GXQ1000	1000	110-	56	18	≤40	210	183	41	92	6.0	vertical	nature
GXJ5000	5000	110	55	91	≤100	380	365	70	170	8.0	vertical	air patenting



## Spherical mercury lamp



Model	Power W	Voltage V	Work Voltage V	Current A	Work Current A	Dimension mm			Work Position
						Total Length L	OD	Polar distance H	
GCQ200	200	220~	55	3.9	≤4.4	110	18	43	Vertical±15°
GCQ300	300	220	65	4.5-5.5	≤5.5	140	20	57	Vertical±15°
GCQ250Z	250	85-	38	6-8	≤13	150	20	60	Vertical±15°
GCQ350Z	350	120-	60	5-7	≤15	124	21.5	48	Vertical±15°
GCQ500Z	500	130-	65	7-9	≤20	170	26.5	68	Vertical±15°



## Xenon lamp for sun simulation

The testing of solar cells and panels requires standard sunlight simulation across the full spectrum of wavelengths from short UV through to infrared. Throughout the test period the measurements need to be stable and repeatable. Corona is already working with leading Solar Test Equipment manufacturers and understands their needs in testing solar cells and modules.

We are able to tailor the product by working to your requirements

- linear or ring lamps
- uniform output distribution across the lamp
- for tests of single cells and solar modules
- lamp output closely matches the solar spectrum

