



HALOGEN LAMPS

- 1. 120V/230V G-9 Halogen Lamps**
- 2. 120V/230V JCD/G9/G8/GY6.35 Halogen Lamps**
- 3. 120V/230V GU10/GZ10 Halogen Lamps**
- 4. 120V/230V JC DR/JDR/HR16 Halogen Lamps**
- 5. 6V, 12V and 24V JC Type Halogen Lamps**
- 6. 12V MR-16/MR11 Dichroic Reflector Lamps**
- 7. 120V/230V PAR38/PAR30/PAR20/PAR15 Lamps**
- 8. 12V AR111/AR70 Reflector Lamps**
- 9. 120V/230V JD E-11/E-14/BA15d Halogen Lamps**
- 10. 120V/230V J-Type Linear Halogen Lamps**
- 11. 6.4V/12.8V/13V/28V PAR36/PAR46 Lamps**
- 12. Projector Halogen Lamps**
- 13. H1/H2/H3/H3C Automotive Halogen Head Lamps**
- 14. H4/H7/H8/H9/H10/H11/H12/9004/9005/9006/9007
Automotive Halogen Head Lamps**



G9

Mains-Voltage Single Ended Ceramic Base Halogen Lamps G9陶瓷单端灯



Features:特点

- * Mains-voltage, no transformer required. 无需变压器
- * New ceramic G9 pin-base system for simple connection. 使用更简单
- * Constant light output and uniform beam, remain bright and shining over lifetime. 光输出稳定
- * Colour temperature approx. 2900 K and long life. 长寿命, 高色温
- * Universal burning position. 任意位置燃点
- * Dimmable. 可调光
- * With double protection fuses can avoid the explosion of bulb when it is burning. 双保险丝结构, 更安全可靠
- * Gas filling Xenon or Krypton. 主要填充气为氙气或氪气

DESIGN PATENT
Protective rights embodied under
China Utility Application
No.ZL 02 2 52691.9

Applications:应用

- * Ideally suitable for task lighting and decorative lighting in homes, shops, hotels and restaurants. 家庭、商店、酒店等理想的作业照明和装饰照明

Option:选择

- * UV-stop version, the use of special UV-stop quartz protects against harmful UV radiation. 使用防紫外线石英管能阻止紫外线
- * Clear or frosted version available. 清光或磨砂

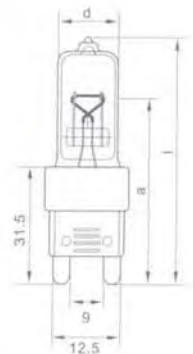


G9 Ceramic base,Clear

规格 Type	功率 Watt	电压 Voltage	光通量 Lumen	色温 Color Temp. (°K)	寿命 Life (h)	灯头 Base	d (mm)	a (mm)	l (mm)	包装 Packing position (cm)
G9	25	120/230	240	2800	2000	G9	14.5	41	56	100/78×25×25
G9	35	120/230	350	2900	2000	G9	14.5	41	56	100/78×25×25
G9	40	120/230	430	2900	2000	G9	14.5	42.5	58	100/78×25×25
G9	50	120/230	510	2900	2000	G9	14.5	42.5	58	100/78×25×25
G9	60	120/230	680	2900	2000	G9	14.5	42.5	58	100/78×25×25
G9	75	120/230	950	2900	2000	G9	14.5	42.5	58	100/78×25×25

G9 Ceramic base,Frosted on outside

规格 Type	功率 Watt	电压 Voltage	光通量 Lumen	色温 Color Temp. (°K)	寿命 Life (h)	灯头 Base	d (mm)	a (mm)	l (mm)	包装 Packing position (cm)
G9	25	120/230	210	2800	2000	G9	14.5	41	56	100/78×25×25
G9	35	120/230	320	2900	2000	G9	14.5	41	56	100/78×25×25
G9	40	120/230	400	2900	2000	G9	14.5	42.5	58	100/78×25×25
G9	50	120/230	480	2900	2000	G9	14.5	42.5	58	100/78×25×25
G9	60	120/230	650	2900	2000	G9	14.5	42.5	58	100/78×25×25
G9	75	120/230	900	2900	2000	G9	14.5	42.5	58	100/78×25×25





JCD/G9/G8/GY6.35

Mains-Voltage Halogen Lamps 高压卤素灯



Features: 特点

- * Mains-voltage, no transformer required. 无需变压器
- * Economical light sources, sturdy and most compact size. 体积小
- * Constant light output and uniform beam, remain bright and shining over lifetime. 稳定的光输出
- * Excellent color rendering (Ra=100) and long life. 长寿命, 显色性好
- * Universal burning position. 任意位置燃点
- * Dimmable. 可调光

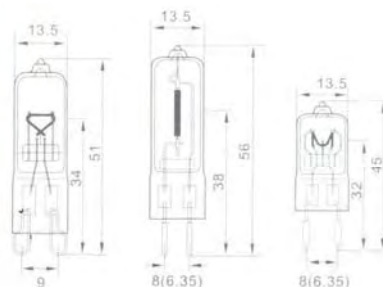
Applications: 应用

- * Ideally suitable for task lighting and decorative lighting in homes, shops, hotels and restaurants. 适合家庭、商店、酒店等理想的作业照明或装饰照明

Option: 选择

- * UV-stop version, the use of special UV-stop quartz protects against harmful UV radiation. 使用防紫外线石英管能阻止紫外线
- * Clear or frosted version available. 清光或磨砂

型号 Type	功率 Watt	电压 Voltage	光通量 Lumen	色温 Color Temp. (°K)	寿命 Life (h)	灯头 Base	包装 Packing pcs/cty (cm)
JCD20	20	120/230	200	2800	2000	G6.35/G8/G9	100/78×25×25
JCD25	25	120/230	260	2800	2000	G6.35/G8/G9	100/78×25×25
JCD35	35	120/230	380	2900	2000	G6.35/G8/G9	100/78×25×25
JCD40	40	120/230	450	2900	2000	G6.35/G8/G9	100/78×25×25
JCD50	50	120/230	580	2900	2000	G6.35/G8/G9	100/78×25×25
JCD75	75	120/230	900	2900	2000	G6.35/G8/G9	100/78×25×25
JCD100	100	120/230	1400	3000	2000	G6.35/G8/G9	100/78×25×25
JCD150	150	120/230	2200	3000	2000	G6.35/G8/G9	100/78×25×25





GU10/GZ10

Mains-Voltage Halogen Reflector Lamps 高压卤素反光杯灯



Features: 特点

- * Mains-Voltage ,no transformer required. 无需变压器
- * Aluminum-coated reflector. No light spill from rear of the reflector. 铝反射膜, 背后无光
- * Colour temperature 2900 K 高色温
- * Integrated fuse system 内装保险丝
- * Front glass protects the lamps for safety and prevents touching and deposits. 使用防护玻璃盖, 更安全
- * Constant light output, remain bright and shining over lifetime. 稳定的光输出
- * 2000h lamp life 长寿命
- * Universal burning position. 任意位置燃点
- * Dimmable 可调光

Applications: 应用

- * Accent and general lighting in homes,shops,shops,hotels restaurants,bars etc.
家庭、商店、酒店、酒吧等作为普通照明

Option: 选择

- * UV-stop version, the use of special UV-stop quartz or UV-filter
can stop the emission of UV rays. 防紫外线石英管或防UV盖能阻止紫外线

规格 Type	功率 Watt	电压 Voltage	光束角度 Beam Angle	寿命 Life (h)	色温 Color Temp. (°K)	d (mm)	h (mm)	l (mm)	灯头 Base	包装 Packing pcs/ctn (cm)
GU10/GZ10	35	120/230	38°	2000	2800	50	6	55	GU10/GZ10	200/54×28×27
GU10/GZ10	40	120/230	38°	2000	2800	50	6	55	GU10/GZ10	200/54×28×27
GU10/GZ10	50	120/230	38°	2000	2850	50	6	55	GU10/GZ10	200/54×28×27
GU10/GZ10	60	120/230	38°	2000	2900	50	6	55	GU10/GZ10	200/54×28×27





JCDR/JDR/HR16

Mains-Voltage Halogen Reflector Lamps 高压卤素反光杯灯



JCDR



JDR



HR16

Features: 特点

- * Mains-voltage, no transformer required. 无需变压器
- * Front glass protects the lamps for safety and deposits. 防护玻璃盖, 安全, 防尘
- * Constant light output, remain bright and shining over lifetime 稳定的光输出
- * Excellent color rendering (Ra=100). 显色性好
- * Dichroic reflector reduces amount of heat in the light beam by 66%. 使用二色介质膜杯, 热辐射减少66%
- * Universal burning position. 任意位置燃点
- * Dimmable. 可调光



Applications: 应用

- * Accent lighting, task lighting and decorative lighting in homes, shops, hotels, restaurants, bars, museums.
家庭、商店、酒店、酒吧和博物馆等作为定向照明或装饰照明

Option: 选择

- * UV-stop version, the use of special UV-stop quartz or UV-filter can stop the emission of UV rays. 防紫外线石英管或防UV盖能阻止紫外线
- * Economy version without front glass available. 可不加盖
- * Color version with color (red, yellow, blue and green) front glass available. 可加彩色玻璃盖 (红、黄、蓝、绿)

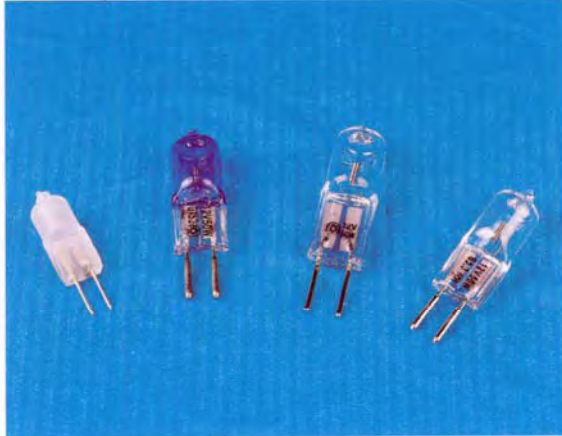
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JCDR	20	120/230	580	2800	2000	GX5.3/GU5.3	50	50.5	200/58×28.5×25.5
JCDR	25	120/230	620	2800	2000	GX5.3/GU5.3	50	50.5	200/58×28.5×25.5
JCDR	35	120/230	650	2800	2000	GX5.3/GU5.3	50	50.5	200/58×28.5×25.5
JCDR	40	120/230	680	2900	2000	GX5.3/GU5.3	50	50.5	200/58×28.5×25.5
JCDR	50	120/230	720	2900	2000	GX5.3/GU5.3	50	50.5	200/58×28.5×25.5
JCDR	75	120/230	900	3000	2000	GX5.3/GU5.3	50	50.5	200/58×28.5×25.5
JDR	20	120/230	580	2800	2000	E11/E14/E27/Ba15d	51	76	100/58×29×20
JDR	25	120/230	620	2800	2000	E11/E14/E27/Ba15d	51	76	100/58×29×20
JDR	35	120/230	650	2800	2000	E11/E14/E27/Ba15d	51	76	100/58×29×20
JDR	40	120/230	680	2900	2000	E11/E14/E27/Ba15d	51	76	100/58×29×20
JDR	50	120/230	720	2900	2000	E11/E14/E27/Ba15d	51	76	100/58×29×20
JDR	75	120/230	900	3000	2000	E11/E14/E27/Ba15d	51	76	100/58×29×20
HR16	20	120/230	580	2800	2000	E27	51	55	200/58×28×27
HR16	25	120/230	620	2800	2000	E27	51	55	200/58×28×27
HR16	35	120/230	650	2800	2000	E27	51	55	200/58×28×27
HR16	40	120/230	680	2900	2000	E27	51	55	200/58×28×27
HR16	50	120/230	720	2900	2000	E27	51	55	200/58×28×27
HR16	75	120/230	900	3000	2000	E27	51	55	200/58×28×27





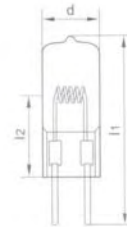
JC

Low-Voltage Halogen Lamps 低压卤素灯



Features: 特点

- * Economical light sources, sturdy and most compact size. 体积小, 省电
- * 100% constant light quality throughout the entire life of the lamp. 使用期内光线恒定
- * May still be used in free-burning applications without a shield on the luminaire. 能用于敞开式灯具中
- * Colour temperature approx. 3100K. 高色温
- * Excellent color rendering (Ra=100) and long life. 长寿命, 显色性好
- * Axial filament for uniform distribution. 直丝设计使光分布更均匀
- * Universal burning position. 任意位置燃点
- * Dimmable. 可调光

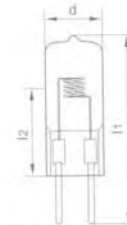


Applications: 应用

- * Ideally suitable for task lighting and decorative lighting in homes, shops, hotels and restaurants. 是家庭、商店、酒店等理想的工作照明或装饰照明

Option: 选择

- * UV-stop version, the use of special UV-stop quartz can stop the emission of UV rays. 防紫外线石英管能阻止紫外线
- * Clear or frosted version available. 清光或磨砂



规格 Type	功率 Watt	电压 Voltage	光通量 Lumen	色温 Color Temp. (°K)	寿命 Life (h)	灯头 Base	d (mm)	h (mm)	l2 (mm)	包装 Packing pcs/ctn (cm)
JC6V5W	5	6	50	2800	2000	G4	8	33	21	1000/78×25×25
JC6V10W	10	6	120	2800	2000	G4	8	33	21	1000/78×25×25
JC6V20W	20	6	300	2850	2000	G4/G6.35	8/10	33/44	21/28	1000/78×25×25
JC6V35W	35	6	640	2900	2000	G4/G6.35	8/10	33/44	21/28	1000/78×25×25
JC6V50W	50	6	950	3000	2000	G6.35	8	33	21	1000/78×25×25
JC12V5W	5	12	50	2800	3000	G4	8	33	21	1000/78×25×25
JC12V10W	10	12	120	2900	3000	G4	8	33	21	1000/78×25×25
JC12V20W	20	12	300	2900	3000	G4/G6.35	8	33/44	21/28	1000/78×25×25
JC12V35W	35	12	600	2950	3000	G4/G6.35/GY6.35	8/10	33/44	21/28	1000/78×25×25
JC12V50W	50	12	850	3000	3000	G6.35/GY6.35	10	44	28	1000/78×25×25
JC12V75W	75	12	1350	3000	2500	G6.35/GY6.35	12	44	28	1000/78×25×25
JC12V100W	100	12	2150	3100	2000	G6.35/GY6.35	12	44	30	1000/78×25×25
JC24V10W	10	24	100	2900	2000	G4/G6.35	8/10	33/44	21/28	1000/78×25×25
JC24V20W	20	24	260	2900	2000	G4/G6.35	8/10	33/44	21/28	1000/78×25×25
JC24V35W	35	24	520	3000	2000	G6.35/GY6.35	10	44	28	1000/78×25×25
JC24V50W	50	24	750	3000	2000	G6.35/GY6.35	10	44	28	1000/78×25×25
JC24V75W	75	24	1250	3000	2000	G6.35/GY6.35	10	44	28	1000/78×25×25
JC24V100W	100	24	1900	3100	2000	G6.35/GY6.35	12	44	30	1000/78×25×25





MR16/MR11

Low -Voltage Dichroic Reflector Halogen Lamps 低压卤素反光杯灯



Features: 特点

- * Can be operated in open luminaries. 能用于敞开式灯具
- * Dichroic reflector reduces the amount of heat in the light beam by 66%. 热辐射量可减少66%
- * Colour temperature approx. 3100K, 高色温
- * Constant light output and uniform beam, remain bright and shining over lifetime. 光输出稳定
- * Excellent color rendering (Ra=100) and long life. 长寿命, 显色性好
- * Universal burning position. 任意位置热点
- * Dimmable. 可调光

Applications: 应用

- * Ideally suitable for accent, task and decorative lighting in shops, stores, hotels, restaurants etc. 家庭, 酒店, 商店等作为普通照明及装饰照明

Option: 选择

- * UV-stop version, the use of special UV-stop quartz can stop the emission of UV rays. 防紫外线石英管或防UV盖能阻止紫外线
- * Economy version without front glass. 可不加盖
- * Color version with color (red, yellow, blue and green) front glass available. 可加彩色玻璃盖 (红、黄、蓝、绿)

型号 Type	功率 Watt	电压 Voltage	光束角度 Beam Angle	色温 Color Temp. (°K)	寿命 Life (h)	灯头 Base	φ (mm)	h (mm)	包装 Packaging quantity (cm)
FTB	20	12	10°	3000	2900	GU4	35	35	300/45×22.5×33
FTC	20	12	20°	3000	2900	GU4	35	35	300/45×22.5×33
FTD	20	12	30°	3000	2900	GU4	35	35	300/45×22.5×33
FTE	35	12	10°	3000	2900	GU4	35	35	300/45×22.5×33
FTF	35	12	20°	3000	2900	GU4	35	35	300/45×22.5×33
FTH	35	12	30°	3000	2900	GU4	35	35	300/45×22.5×33
ESX	20	12	12°	3000	2900	GU5.3	51	45	200/54×28×27.5
BBF	20	12	24°	3000	2900	GU5.3	51	45	200/54×28×27.5
BAB	20	12	38°	3000	2900	GU5.3	51	45	200/54×28×27.5
FMT	35	12	12°	3000	2950	GU5.3	51	45	200/54×28×27.5
FRA	35	12	24°	3000	2950	GU5.3	51	45	200/54×28×27.5
FMW	35	12	38°	3000	2950	GU5.3	51	45	200/54×28×27.5
EXT	50	12	12°	3000	2950	GU5.3	51	45	200/54×28×27.5
EXZ	50	12	24°	3000	3000	GU5.3	51	45	200/54×28×27.5
EXN	50	12	38°	3000	3000	GU5.3	51	45	200/54×28×27.5
FNV	50	12	60°	3000	3000	GU5.3	51	45	200/54×28×27.5
EYF	75	12	12°	3000	3000	GU5.3	51	45	200/54×28×27.5
EYJ	75	12	24°	3000	3000	GU5.3	51	45	200/54×28×27.5
EYC	75	12	38°	3000	3000	GU5.3	51	45	200/54×28×27.5





PAR38/PAR30/PAR20/PAR16

Standard Halogen PAR Lamps 卤素PAR灯



Features: 特点

- * Mains-voltage, no transformer required. 无需变压器
- * Luminous flux remains nearly constant throughout the lamp lifetime. 光输出稳定
- * Long life, above 2 times the lifetime of a normal incandescent lamps.
长寿命, 是普通白炽灯2倍以上
- * Excellent color rendering (Ra=100). 显色性好
- * The front glass protects the lamp for safety and prevent glare.
玻璃盖, 安全防眩目
- * Universal burning position. 任意位置燃点
- * It is available with either a 10° or 30° beam angle. 可有两种光束角度选择
- * Dimmable. 可调光

Applications: 应用

- * Indoor: Accent lighting and task lighting in shops, hotels, restaurants, museums and homes.
室内: 商店、酒店、博物馆、家庭等的定点作业照明
- * Outdoor: Can be used outdoors, but should be protected from direct water contact.
室外泛光和聚光照明

Option: 选择

- * Color version with color (red, yellow, blue and green) front glass available.
可加彩色玻璃盖 (红、黄、蓝、绿)



规格 Type	功率 Watt	电压 Voltage	光束角度 Beam Angle	光通 lm	寿命 Life (h)	灯头 Base	d (mm)	l (mm)	包装 Packing pcs/ctn (cm)
PAR16	35	120/230	10/30	1500/500	2500	E26/E27	51	84	100/31×25×45
PAR16	50	120/230	10/30	2900/1000	2500	E26/E27	51	84	100/31×25×45
PAR20	35	120/230	10/30	1500/500	2500	E26/E27	65	82	100/38×30×45
PAR20	50	120/230	10/30	2900/1000	2500	E26/E27	65	82	100/38×30×45
PAR30	50	120/230	10/30	3250/1100	2500	E26/E27	97	90.5	50/59×22×55
PAR30	75	120/230	10/30	6200/1950	2500	E26/E27	97	90.5	50/59×22×55
PAR38	45	120/230	10/30	3550/1300	2000	E26/E27	123.5	136	20/59×25×30
PAR38	75	120/230	10/30	5500/1750	2000	E26/E27	123.5	136	20/59×25×30
PAR38	90	120/230	10/30	6300/2000	2500	E26/E27	123.5	136	20/59×25×30
PAR38	100	120/230	10/30	6400/2150	2000	E26/E27	123.5	136	20/59×25×30
PAR38	120	120/230	10/30	7100/2250	2500	E26/E27	123.5	136	20/59×25×30
PAR38	150	120/230	10/30	8800/2800	2500	E26/E27	123.5	136	20/59×25×30





AR111/AR70

LOW-Voltage with Aluminium Reflector Halogen Lamps 低电压铝反光杯灯



Features: 特点

- * Can safely be used in open fixtures. 能在敞开的灯具中燃点
- * Constant light output over lifetime. 稳定的光输出
- * Excellent color rendering (Ra=100) and long life. 长寿命, 显色性好
- * A metal cap shields the filament to reduce glare and prevents direct light from mixing with reflected light, resulting in a smooth beam with a very sharp contrast. 防眩目
- * Universal burning position. 任意位置燃点
- * Dimmable. 可调光

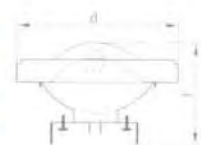
Applications: 应用

- * Applied in technically styled fixtures for accent lighting, such as shop lighting, exhibitions and art galleries, museum lighting.
- 可用于商场、展览馆、图书馆和博物馆等作为定向照明

Option: 选择

- * UV-stop version, the use of special UV-stop quartz reduces the bleaching effect by up to 80%.
防紫外线石英管可减少因紫外线照射而脱色

型号	功率	电压	光束角度	光强度	色温	寿命	灯头	d	l	包装
Type	Watt	Voltage	Beam Angle	Lx	Color Temp. (°K)	Life (h)	Base	(mm)	(mm)	Packing quantity (pcs)
AR70	20	12	8°	7000	2750	2500	Ba15d	70	50	100/38×30×45
AR70	20	12	24°	810	2750	2500	Ba15d	70	50	100/38×30×45
AR70	50	12	8°	11250	2900	2500	Ba15d	70	50	100/38×30×45
AR70	50	12	24°	2340	2850	2500	Ba15d	70	50	100/38×30×45
AR111	35	12	8°	11250	2800	2500	G53	111	57	100/45.5×45.5×48
AR111	35	12	24°	2250	2800	2500	G53	111	58	100/45.5×45.5×48
AR111	35	12	45°	840	2800	2500	G53	111	55	100/45.5×45.5×48
AR111	50	12	8°	18000	2850	2500	G53	111	57	100/45.5×45.5×48
AR111	50	12	24°	3600	2850	2500	G53	111	58	100/45.5×45.5×48
AR111	50	12	45°	1350	2850	2500	G53	111	55	100/45.5×45.5×48
AR111	75	12	8°	27000	2900	2000	G53	111	57	100/45.5×45.5×48
AR111	75	12	24°	4800	2900	2000	G53	111	58	100/45.5×45.5×48
AR111	75	12	45°	1800	2900	2000	G53	111	55	100/45.5×45.5×48





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JD

Mains-Voltage Halogen Lamps 高压卤素灯



Features:特点

- * Economical light sources. Sturdy and most compact size. 省电, 体积小
- * Mains-voltage, no transformer required. 无需变压器
- * Constant light output, remain bright and shining overLifetime. 稳定的光输出
- * Excellent color rendering (Ra=100) and long life. 长寿命, 显色性好
- * Universal burning position. 任意位置燃点
- * Dimmable. 可调光



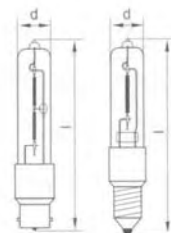
Applications:应用

- * Homes and shops, spot and accent lighting, downlighting.
家庭和商店等的定向照明

Option:选择

- * UV-stop version, the use of special UV-stop quartz or UV-filter can stop the emission of UV rays. 使用防紫外线石英管或防UV盖能阻止紫外线
- * Clear or frosted version available. 清光或磨砂

规格 Type	功率 Watt	电压 Voltage	光通量 Lumen	色温 Color Temp. (°K)	寿命 Life (h)	灯头 Base	d (mm)	l (mm)	包装 Packing pcs/ctn (cm)
JD	20	120/230	200	2800	2000	E11/E14/Ba15d	13.5	57/65	500/62×34.5×35
JD	25	120/230	260	2800	2000	E11/E14/Ba15d	13.5	57/65	500/62×34.5×35
JD	35	120/230	380	2800	2000	E11/E14/Ba15d	13.5	57/65	500/62×34.5×35
JD	40	120/230	450	2900	2000	E11/E14/Ba15d	13.5	57/65	500/62×34.5×35
JD	50	120/230	580	2900	2000	E11/E14/Ba15d	13.5	57/65	500/62×34.5×35
JD	60	120/230	710	2900	2000	E11/E14/Ba15d	13.5	57/65	500/62×34.5×35
JD	75	120/230	900	3000	2000	E11/E14/Ba15d	13.5	67/78	500/62×34.5×35
JD	100	120/230	1400	3000	2000	E11/E14/Ba15d	13.5	67/78	500/62×34.5×35
JD	150	120/230	2200	3000	2000	E11/E14/Ba15d	13.5	67/78	500/62×34.5×35
JD	200	120/230	3000	3000	2000	E11/E14/Ba15d	14.5	90	500/62×34.5×35
JD	250	120/230	4000	3000	2000	E11/E14/Ba15d	14.5	90	500/62×34.5×35





J-Type

Double Ended Linear Halogen Lamps 双端管形卤钨灯



Features: 特点

- * Constant light output, high luminous efficiency. 稳定的光输出
- * Excellent color rendering(Ra=100)and long life. 长寿命, 显色性好
- * Universal burning position for type up to 500W, above 500W should be horizontal P15 burning position. 500W以上灯管必须保持在水平角度15°以内位置使用
- * Dimmable. 可调光
- * Should be used in luminaries with glass cover. 应该使用带玻璃罩的灯具
- * High shock resistance thanks to new tube technology in wattages. 新工艺, 更具抗震性

Applications: 应用

- * Suitable for general lighting, task lighting and flood lighting in homes, offices, shops, museums, billboards, car parks, construction sites and security lighting. 家庭、办公室、酒店、博物馆、广告牌、车站等作为一般泛光照明

型号 Type	功率 Watt	电压 Voltage	光通量 Lumen	色温 Color Temp. (K)	寿命 Life (h)	灯头 Base	φ (mm)	L (mm)	封装 Packaging position (mm)
J78	75	120/230	1000	2800	1500	R7s	12	80.6	500/58×25×25
J78	100	120/230	1500	2850	1500	R7s	12	80.6	500/58×25×25
J78	150	120/230	2400	2850	1500	R7s	12	80.6	500/58×25×25
J78	200	120/230	3000	2900	1500	R7s	12	80.6	500/58×25×25
J78	250	120/230	4000	2900	1500	R7s	12	80.6	500/58×25×25
J118	100	120/230	1500	2850	1500	R7s	12	119.9	500/78×25×25
J118	150	120/230	2400	2850	1500	R7s	12	119.9	500/78×25×25
J118	200	120/230	3000	2900	1500	R7s	12	119.9	500/78×25×25
J118	250	120/230	4000	2900	1500	R7s	12	119.9	500/78×25×25
J118	300	120/230	5400	3000	1500	R7s	12	119.9	500/78×25×25
J118	400	120/230	8000	3000	1500	R7s	12	119.9	500/78×25×25
J118	500	120/230	10000	3000	1500	R7s	12	119.9	500/78×25×25
J189	750	120/230	15000	3000	1500	R7s	12	191.4	500/66×27×48
J189	1000	120/230	21000	3000	1500	R7s	12	191.4	500/66×27×48
J254	1000	120/230	20000	3050	1500	R7s	12	256.6	500/66×29×54
J254	1500	120/230	33000	3050	1500	R7s	12	256.6	500/66×29×54
J333	2000	230	44000	3050	1500	R7s	12	335.6	300/55×39×47





PAR36/PAR46

Low-Voltage Reflector Halogen Lamps 低压卤素反射杯灯



Features: 特点

- * Constant light output over lifetime. 稳定的光输出
- * Excellent color rendering (Ra=100). 显色性好
- * Universal burning position. 任意位置燃点
- * Dimmable. 可调光



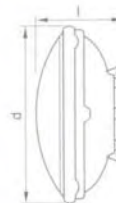
Applications: 应用

- * Clear PAR36 and coloured PAR36 are widely used for disco-lighting and stage illumination applications. 广泛应用于舞台灯光照明

Option: 选择

- * Color version with color (red, yellow, blue and green) front glass available. 彩色玻璃盖(红、黄、蓝、绿)

型号 Type	功率 Watt	电压 Voltage	光强度 cd	色温 Color Temp. (°K)	寿命 Life (h)	灯头 Base	d (mm)	l (mm)	包装 Packing pcs/ctn (cm)
PAR36/H4515	30	6.4	55000	3200	100	Screw terminal	114	70	40/47.5×38.5×20
PAR36/H4515	30	6.4	67000	3200	100	Screw terminal	114	70	40/47.5×38.5×20
PAR36/4405	30	12.8	50000	3200	100	Screw terminal	114	70	40/47.5×38.5×20
PAR36/4405	50	28	45000	3200	400	Screw terminal	114	70	40/47.5×38.5×20
PAR36/4509	100	13	110000	3200	25	Screw terminal	114	70	40/47.5×38.5×20
PAR36/4591	100	28	90000	3200	25	Screw terminal	114	70	40/47.5×38.5×20
PAR46/4535	30	6.4	95000	3200	100	Screw terminal	146	95	
PAR46/4535	30	12.8	75000	3200	100	Screw terminal	146	95	
PAR46/H7635	50	12.8	160000	3200	100	Screw terminal	146	95	
PAR46/4537-2	100	13	200000	3200	25	Screw terminal	146	95	





A Special Projection Halogen Lamps 专业投影灯

Features: 特点

- * Colour temperature approx. 3400K, 高色温
- * 100% constant light quality throughout the entire life of the lamp. 使用期内光输出100%恒定
- * Excellent colour rendering(Ra=100). 显色指数高
- * Universal burning position. 任意位置燃点

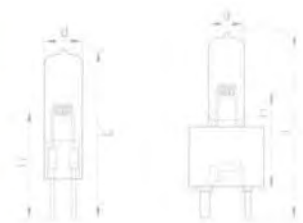
Applications: 应用

- * Ideally suitable for photo lighting.
Photo-projection lighting and medical science applications.
适用于投影仪、幻灯机、照相机光源以及医疗光源等



Single-ended quartz tungsten halogen lamps

型号 Type	功率 Watt	电压 Voltage	光通量 Lumen	色温 Colour Temp. (°K)	寿命 Life (h)	灯头 Base	灯头直径 (mm)	灯头长度 (mm)	灯头高度 (mm)
BRL/64610	50	12	1400	3400	50	G6.35	14	44	30
FCR/64625	100	12	2800	3300	50	G6.35	14	44	360
FDT	100	12	2900	3300	50	GZ9.5	14	54	27
EVB/64633	150	15	5000	3400	50	G6.35	14	44	30
FDS	150	24	4500	3300	50	GZ9.5	14	68	33
FCS/64640	150	24	4500	3300	50	G6.35	14	51	30
EHJ/64655	250	24	8000	3400	50	G6.35	14	57	33
FNT/64656	275	24	10000	3400	50	G6.35	14	57	33
FLW	300	24	10200	3400	50	G6.35	14	55	33
EVD/64663	400	36	16000	3200	50	G6.35	14	60	36



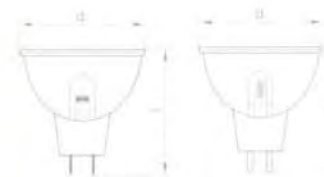
Double-ended linear halogen lamps

FAD	650	120	16500	3200	100	R7s	13.5	79.4
DXX	800	230	21400	3200	100	R7s	13.5	79.4
JPD	150	25	1800	3000	300	R7s	13.5	65



Dichroic reflector halogen lamps

EFM/64607	50	8			50	GZ6.35	51	44.5
EFN/64615	75	12			50	GZ6.35	51	44.5
EFP/64627	100	12			50	GZ6.35	51	44.5
EFR/64636	150	15			50	GZ6.35	51	44.5
EJM	150	21			40	G 5.3	51	44.5
EJL	200	24			50	G 5.4	51	44.5
ELC/64653	250	24			50	G 5.5	51	44.5
64617	75	12			50	Ceramic	51	44.5
64624	100	12			50	Ceramic	51	44.5
EVW/93505	250	82			50	GY5.3	51	44.5
ENH/93506	250	120			175	GY5.3	51	44.5
ELH/93918	300	120			35	GY5.3	51	44.5
EXY	250	82			200	GX5.3	42	44
EXR	300	82			35	GX5.3	42	44





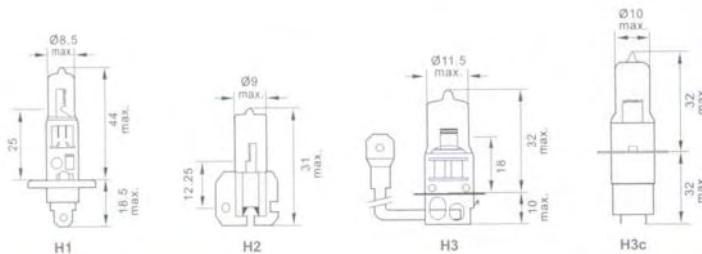
H1/H2/H3/H3C

Automobile Lamps 汽车灯



Features: 特点

- * Excellent design, advanced technology, high brightness, long life
设计优良, 工艺先进, 亮度高, 寿命长
- * Lights filled with special gas. 灯内充有特殊气体
- * The new super white lamps shine 20-30% more light. They produce less reflection from fog, snow and rain, and a greater signal effect for oncoming traffic, that means greater safety when driving at night.
超白光可提高亮度, 行车更安全。



H1 H2 H3 H3C series

规格 Type	功率 Watt	电压 Voltage	光通量 Lumen	寿命 Life (h)	灯头 Base	包装 Packing pcs/ctn (cm)
H1	55	12	1550	300	P14.5s	1000/61.5×25.5×32
H1	100	12	2300	300	P14.5s	1000/61.5×25.5×32
H1	70	24	1950	300	P14.5s	1000/61.5×25.5×32
H1	100	24	2300	300	P14.5s	1000/61.5×25.5×32
H2	55	12	1800	300	X511	1000/61.5×25.5×20.5
H2	100	12	2300	300	X511	1000/61.5×25.5×20.5
H2	70	24	2150	300	X511	1000/61.5×25.5×20.5
H2	100	24	2400	300	X511	1000/61.5×25.5×20.5
H3	55	12	1450	300	PK 22s	1000/61.5×25.5×20.5
H3	100	12	2300	300	PK 22s	1000/61.5×25.5×24.5
H3	70	24	1950	300	PK 22s	1000/61.5×25.5×24.5
H3	100	24	2400	300	PK 22s	1000/61.5×25.5×24.5
H3c	55	12	1450	300	Special	1000/61.5×25.5×24.5
H3c	100	12	2300	300	Special	1000/61.5×25.5×32.5
H3c	70	24	1950	300	Special	1000/61.5×25.5×32.5
H3c	100	24	2400	300	Special	1000/61.5×25.5×32.5





H4/H7/H8/H9/H10/H11/H12/9004/9005/9006/9007

Automobile Lamps 汽车灯



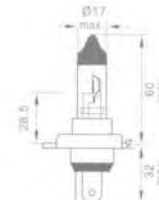
Applications: 应用

* widely used for lights of automobile
适用于各类型汽车灯照明



Option: 选择

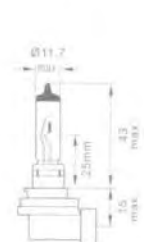
- * UV STOP Quartz Glass 防紫外线石英玻璃
- * Clear or Super white. 清光或超白光



H4



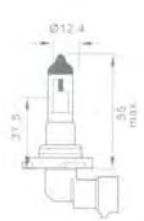
H7



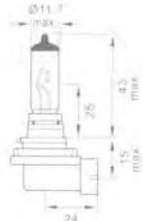
H8



H9



H10



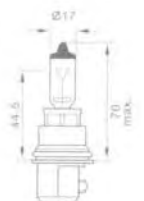
H11



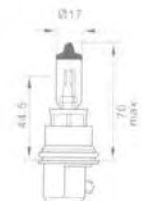
H12



9005/HB3



9004/HB1



9007/HB5

H4 H7 H8 H9 H10 H11 H12 series

型号 Type	功率 Watt	电压 Voltage	光通量 Lumen	寿命 Life (h)	灯头 Base	包装 Packing (pcs/box (mm))
H4	60/50	12	1650/1000	200/400	P43t/P45t	200/49×25×33
H4	100/90	12	2300/1600	200/400	P43t/P45t	200/49×25×33
H4	130/100	12	2600/1800	150/300	P43t/P45t	200/49×25×33
H4	75/70	24	1900/1200	200/400	P43t/P45t	200/49×25×33
H4	100/90	24	2300/1600	200/400	P43t/P45t	200/49×25×33
H7	55	12	1500	550	PX 26d	200/38.5×19.5×28
H7	100	12	2000	550	PX 26d	200/38.5×19.5×28
H7	70	24	1750	550	PX 26d	200/38.5×19.5×28
H8	35	12	800	800	PGJ19-1	200/47.5×20×32
H9	65	12	2100	500	PGJ19-5	200/47.5×20×32
H10	42	12	1150	2000	PY 20d	200/47.5×20×32
H11	55	12	1350	200	PGJ19-2	200/47.5×20×32
H12	53	12	1300	500	PZ 20d	200/47.5×20×32

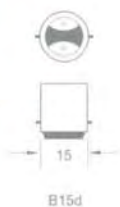
9000HB series

9004HB1	65/45	12	1320/700	150/320	P29t	200/47.5×24×43.5
9004HB1	100/80	12	2300/1400	150/320	P29t	200/47.5×24×43.5
9005HB3	65	12	1860	150	P20d	200/47.5×20×32
9005HB3	100	12	2300	150	P20d	200/47.5×20×32
9006HB4	55	12	1095	320	P22d	200/47.5×20×32
9006HB4	100	12	2000	320	P22d	200/47.5×20×32
9007HB5	65/55	12	1320/1000	150/320	PX 29t	200/47.5×24×43.5
9007HB5	100/80	12	2300/1400	150/320	PX 29t	200/47.5×24×43.5



Standard base and lampholders 标准底座和灯座

To ensure a reliable operation of the lamp it is important to use standardized lamp holders.
为确保可靠的灯泡操作，使用标准化的灯座是很重要的。



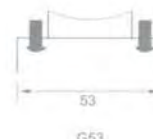
B15d



E14



E27



G53



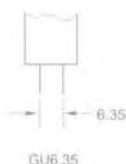
G4



GU4



GU5.3



GU6.35



G9



GU10



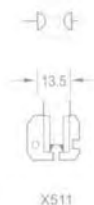
GZ10



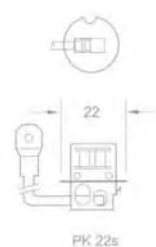
GY9.5
GZ9.5



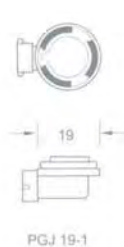
P14.5s



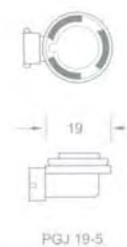
X511



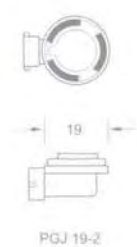
PK 22s



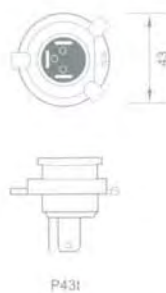
PGJ 19-1



PGJ 19-5



PGJ 19-2



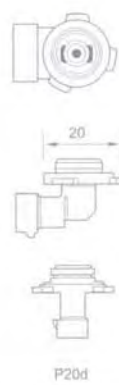
P43t



P45t



P22d



P20d



PX 26d



R7s



Tungsten halogen reflector lamps luminous intensity in cd 卤素反射灯光强分布

