



SURGICAL SHADOWLESS LIGHT





RO-CHAIN
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SHADOWLESS LIGHT

SHANGHAI RO-CHAIN MEDICAL CO.,LTD

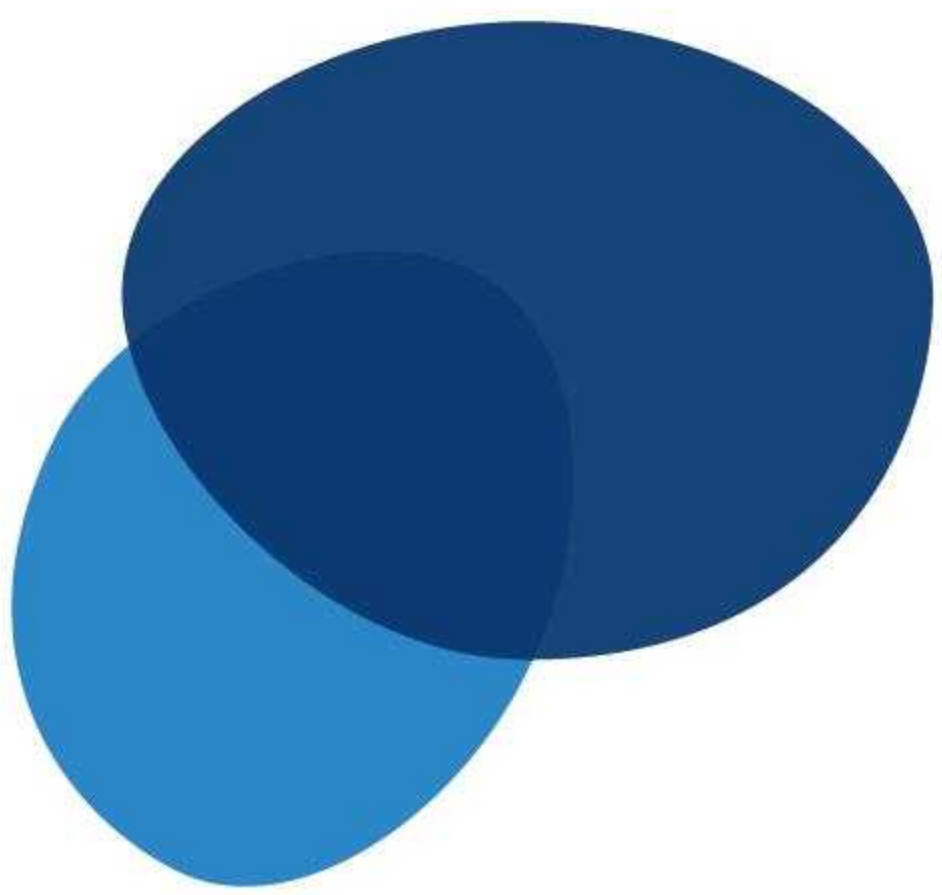
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Features

- ◇ Light and thin aluminum alloy light head
- ◇ Intelligent touch control panel
- ◇ Color temperature adjustment
- ◇ Electric & manual focusing
- ◇ R11 mode (green mode)
- ◇ High color rendering index suitable for neurosurgery
- ◇ R9 mode (red display index)
- ◇ Compensation mode (operation environment automatic compensation mode)
- ◇ Endo mode (suitable for endoscopic surgery)

Model No. RC-LED DTR78/DTR78

Technical Data

Illumination at 1m(lux):160000/160000
Illumination at 1m on Endo model(lux):15000
Light field diameter D10 mm:180±40/180±40
D50 mm:110±35/110±35
Depth of illumination L1+L2 mm:150
Color rendering index(Ra):100≥Ra≥85
Red color index R9:R9≥97
Optional color temperature(K):6700K ≥Tc≥3500k
Average bulb life (hours):50000h
Heat-to-light ratio(mW/m²lx):<6
Power supply:110-240V
Input power(VA):150W/150W
Ceiling height for installation(cm):2.7-3.2m



Model No. RC-LED DTR78

Technical Data

Illumination at 1m(lux):160000
Illumination at 1m on Endo model(lux):15000
Light field diameter D10 mm:180±40/180±40
D50 mm:110±35/110±35
Depth of illumination L1+L2 mm:150
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Features

- ◇ Light and thin aluminum alloy light head
- ◇ Intelligent touch control panel
- ◇ Color temperature adjustment
- ◇ Endo mode (suitable for endoscopic surgery)

Model No. RC-LED D78/D78

Technical Data

Illumination at 1m(lux):160000/160000
Illumination at 1m on Endo model(lux):15000
Light field diameter D10 mm:180±40/180±40
D50 mm:110±35/110±35
Depth of illumination L1+L2 mm:150
Color rendering index(Ra):100≥Ra≥85
Red color index R9:R9≥97
Optional color temperature(K):6700K ≥Tc≥3500k
Average bulb life (hours):50000h
Heat-to-light ratio(mW/m²lx):< 6
Power supply:110-240V
Input power(VA):150W/150W
Ceiling height for installation(cm):2.7-3.2m



Model No. RC-LED D78

Technical Data

Illumination at 1m(lux):160000
Illumination at 1m on Endo model(lux):15000
Light field diameter D10 mm:180±40/180±40
D50 mm:110±35/110±35
Depth of illumination L1+L2 mm:150
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Optional color temperature(K):6700K ≥Tc≥3500k
Average bulb life (hours):50000h
Heat-to-light ratio(mW/m²lx):< 6
Power supply:110-240V
Input power(VA):150W/150W
Ceiling height for installation(cm):2.7-3.2m



Features

- ◇ Humanized control experience
- ◇ R9 Function mode
- ◇ Minimally invasive lighting
- ◇ Depth lighting
- ◇ Excellent Shadowless effect
- ◇ Humanized multi-level color temperature adjustable

Model No. RC-DT61+DT61

Technical Data

Illumination at 1m(lux):160000/160000
 Illumination at 1m on Endo model(lux):15000
 Light field diameter D10 mm:180±40/180±40
 D50 mm:110±35/110±35
 Depth of illumination L1+L2 mm:150
 Color rendering index(Ra):100≥Ra≥85
 Red color index R9:R9≥97
 Optional color temperature(K):6700K ≥Tc≥3500k
 Average bulb life (hours):50000h
 Heat-to-light ratio(mW/m²lx):< 6
 Power supply:110-240V
 Input power(VA):150W/150W
 Ceiling height for installation(cm):2.7-3.2m
 Number of LEDs : 60/60



Model No. RC-DT61

Technical Data

Illumination at 1m(lux):160000
 Illumination at 1m on Endo model(lux):15000
 Light field diameter D10 mm:180±40
 D50 mm:110±35
 Color rendering index(Ra):100≥Ra≥85
 Red color index R9:R9≥97
 Optional color temperature(K):6700K ≥Tc≥3500k
 Average bulb life (hours):50000h
 Heat-to-light ratio(mW/m²lx):< 6
 Power supply:110-240V
 Input power(VA):150W/150W
 Ceiling height for installation(cm):2.7-3.2m
 Number of LEDs:60





Features

- ◇ Osram LED bulbs
- ◇ 50000 hours bulb life
- ◇ Light focus controlled by the sterile handle
- ◇ One button for max. illuminance
- ◇ Endo mode
- ◇ Optional adjustable color temperature

Model No. RC-RS700+700

Technical Data

Illumination at 1m(lux) 160000+160000Lux
Light field diameter at 1m (cm) ≥ 28
L1+L2Depthofillumination(cm) 100-150
Colorrendering index(Ra) 97
Color temperature(K) 4500 \pm 500
Number of LED bulbs 176
Averagebulblife(hours) 50000



Model No. RC-RS700+700+TV

Technical Data

Illumination at 1m(lux) 160000+160000Lux
Light field diameter at 1m (cm) ≥ 28
L1+L2Depthofillumination(cm) 100-150
Colorrendering index(Ra) 97
Color temperature(K) 4500 \pm 500
Number of LED bulbs 176
Averagebulblife(hours) 50000



Model No. RC-RS700

Technical Data

Illumination at 1m(lux) 160000+160000Lux
Light field diameter at 1m (cm) ≥ 28
L1+L2Depthofillumination(cm) 100-150
Colorrendering index(Ra) 97
Color temperature(K) 4500 \pm 500
Number of LED bulbs 176
Averagebulblife(hours) 50000



Model No. RC-RS500M

Technical Data

Illumination at 1m(lux) 160000+160000Lux

Light field diameter at 1m (cm) ≥ 28

L1+L2Depthofillumination(cm) 100-150

Colorrendering index(Ra) 97

Color temperature(K) 4500 \pm 500

Number of LED bulbs 176

Averagebulblife(hours) 50000



Model No. RC-RS500MB

Technical Data

Illumination at 1m(lux) 160000+160000Lux

Light field diameter at 1m (cm) ≥ 28

L1+L2Depthofillumination(cm) 100-150

Colorrendering index(Ra) 97

Color temperature(K) 4500 \pm 500

Number of LED bulbs 176

Averagebulblife(hours) 50000





Features

- ◇ Osram LED bulbs
- ◇ 50000 hours bulb life
- ◇ Titanium main arm
- ◇ ONDAL spring arm
- ◇ Light focus also can be controlled by the sterile handle
- ◇ Color temperature is adjustable
- ◇ Especially RED color rendering
- ◇ Build-in HD Camera and monitor system

Model No. RC-LED STZ5+STZ5

Technical Data

Illumination at 1m(lux): 160000/160000
 Illumination at 1m on Endo mode(lux): 15000
 Light field diameter at 1m (cm): 10-28
 Light field diameter D10(mm): 180±40 / 180±40
 D50(mm): 110±35 / 110±35
 L1+L2 Depth of illumination(cm): 150
 Color rendering index(Ra) : 100≥Ra≥85
 Optional color temperature(K): 6700≥Tc≥3000
 Number of LED bulbs: 45/45
 Average bulb life (hours) : 50,000
 Heat-to-light ratio(mW/m²lx): <6
 Working distance(cm): 70-140
 Power supply: 100-240 V,50/60HZ
 Max. power consumption(VA): 150W/150W
 Ceiling height for installation(cm) : 270-320



Model No. RC-LED STZ5

Technical Data

Illumination at 1m(lux): 160000
 Illumination at 1m on Endo mode(lux): 15000
 Light field diameter at 1m (cm): 10-28
 Light field diameter D10(mm): 180±40
 D50(mm): 110±35
 L1+L2 Depth of illumination(cm): 150
 Color rendering index(Ra) : 100≥Ra≥85
 Optional color temperature(K): 6700≥Tc≥3000
 Number of LED bulbs: 45
 Average bulb life (hours) : 50,000
 Heat-to-light ratio(mW/m²lx): <6
 Working distance(cm): 70-140
 Power supply: 100-240 V,50/60HZ
 Max. power consumption(VA): 150W
 Ceiling height for installation(cm) : 270-320





Model No. RC-LED.MSTZ5

Technical Data

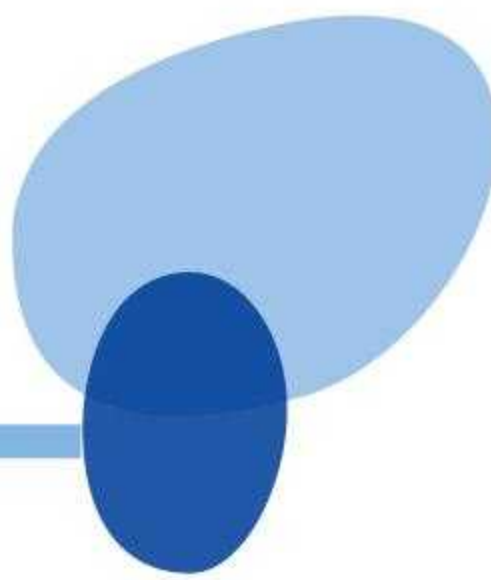
Illumination at 1m(lux): 160000
 Illumination at 1m on Endo mode(lux): 15000
 Light field diameter at 1m (cm): 10-28
 Light field diameter D10(mm): 180±40
 D50(mm): 110±35
 L1+L2 Depth of illumination(cm): 150
 Color rendering index(Ra) : 100≥Ra≥85
 Optional color temperature(K): 6700≥Tc≥3000
 Number of LED bulbs: 45
 Average bulb life (hours) : 50,000
 Heat-to-light ratio(mW/m²lx): <6
 Working distance(cm): 70-140
 Power supply: 100-240 V,50/60HZ
 Max. power consumption(VA): 150W

Model No. RC-LED.MSTZ5(AC/DC)

Technical Data

Illumination at 1m(lux): 160000
 Illumination at 1m on Endo mode(lux): 15000
 Light field diameter at 1m (cm): 10-28
 Light field diameter D10(mm): 180±40
 D50(mm): 110±35
 L1+L2 Depth of illumination(cm): 150
 Color rendering index(Ra) : 100≥Ra≥85
 Optional color temperature(K): 6700≥Tc≥3000
 Number of LED bulbs: 45
 Average bulb life (hours) : 50,000
 Heat-to-light ratio(mW/m²lx): <6
 Working distance(cm): 70-140
 Power supply: 100-240 V,50/60HZ
 Max. power consumption(VA): 150W





Features

- ◇ Double domes both are 160000Lux with LCD touch control panel
- ◇ 10 steps adjustable illumination
- ◇ 5 steps adjustable color temperature
- ◇ Endo mode
- ◇ Deep illumination
- ◇ PWM dimming technology, no flickering
- ◇ LED cold light, head temperature rise less than 1°C
- ◇ High color rendering index ensures clear views of the tissue and Organ
- ◇ Removable sterilizer handle
- ◇ Light field adjusting
- ◇ Beautiful ultra-thin lamp head design
- ◇ Optional build-in SONY HD camera and DELL monitor display.
- ◇ Optional UPS battery.

Model No. RC-LED700+700touch

Technical Data

Head Diameter: 700mm/700mm
No. Of LED Blubs: 80pcs+80pcs
Illumination: 160000Lux/160000Lux
CRI: Ra>95



Model No. RC-LED700+500touch



Technical Data

Head Diameter: 700mm/500mm
No. Of LED Blubs: 80pcs+48pcs
Illumination: 160000Lux/140000Lux
CRI: Ra>95



Model No. RC-LED500M touch

Technical Data

Head Diameter: 500mm
No. Of LED Blubs: 48pcs
Illumination: 140000Lux
CRI: Ra>95

Features

- ◇ Excellent cold light: adopting LED as light source, without temperature rising.
- ◇ Excellent daylight quality and CRI meet the illumination needs of the doctors.
- ◇ Long service life: LED life is up to 30,000 hours.
- ◇ Energy saving and environment-friendly.



Model No. RC-MSLED05L

Technical Data

Illuminance(Lux): $\geq 100,000$
 color temperature(K): 4800 ± 300
 illuminance depth (mm): ≥ 500
 Size of light field(mm):160-220
 Rated power of bulb :3.2V/1W (32pc led bulb)
 Power supply voltage:- $\sim 220V/50Hz$
 LED bulb life (hr) : $\geq 50,000$



Model No. RC-MSLED05LE

Technical Data

Illuminance(Lux): $\geq 100,000$
 color temperature(K): 4800 ± 300
 illuminance depth (mm): ≥ 500
 Size of light field(mm):160-220
 Rated power of bulb :3.2V/1W (32pc led bulb)
 Power supply voltage:- $\sim 220V/50Hz$
 LED bulb life (hr) : $\geq 50,000$

Model No. RC-YD02-5+5

Technical Data

Illuminance(Lux): $\geq 100,000/100,000$
 color temperature(K): 4800 ± 300
 illuminance depth (mm): ≥ 500
 Size of light field(mm):160-220
 Rated power of bulb :3.2V/1W (80pc LED bulb)
 Power supply voltage:- $\sim 220V/50Hz$
 LED bulb life (hr) : $\geq 50,000$



Features

- ◇ Halogen bulbs Examination light, meet the illumination needs of the doctors.
- ◇ Long service life

Model No. RC-MSH05L

Technical Data

Illumination: $\geq 60,000$ Lux (at 1m distance)
Color temperature: $4500\text{K} \pm 500\text{K}$
Mains voltage: $\text{AC}220\text{V} \pm 10\%$ 50Hz
Bulb voltage: $\text{AC}24\text{V}$ Bulb power
Input power: 150VA



Features

- ◇ Uniform, homogeneous lighting in surface and deep cavity procedures thanks to RC-L125-LED's innovative shadow control. Our ergonomic, sterile operating concept allows for the simple and flexible control of all functions by the surgical team. Almost unlimited LED life expectancy delivers tremendous product reliability and investment protection. Environmentally proactive: low power consumption and durable LEDs minimize the impact on our precious resources.

Technical Data

Illuminance: $\geq 70,000$ Lux
Color temperature: $4800 \pm 200\text{K}$
Color reduction index (Ra): 92
Illuminance depth: 300mm
Size of light field: 150mm
lamp head diameter: 300mm
Rated power of bulb: 3.2V/1W
Service life of illuminant: 50,000h
Power supply voltage: $\text{AC}110-240\text{V}, 50/60\text{Hz}$
Total power consumption: 25W
Total LED bulb quantity: 25 pcs



Model No. RC-L125



Model No. RC-L125E
(with back-up battery)

Features

- ◇ An imported LED cold light source is adopted as operation lighting. As a genuine cold light source.
- ◇ The LED shadowless lamp is pure-DC power supplied, without any strobe or harmonic.
- ◇ The service life of LED shadowless lamp is long (50,000 h).
- ◇ LED has high luminous efficiency and it is impact-resistant and strong to resist crumbling, without mercury contamination.
- ◇ The light it sends contains no infra-red or ultraviolet radiation pollution.
- ◇ The unique design of the spring arm.

Model No. RC01L.II.LED-1

Technical Data

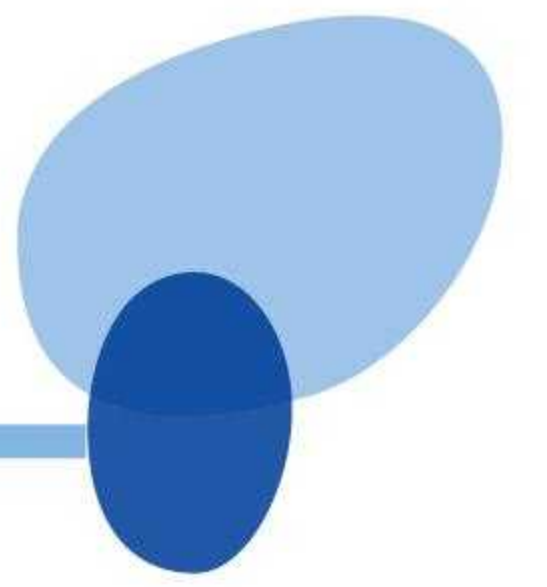
Illumination (lux) : ≥ 60000
Color Temperature (k) : 4500 ± 500
Temperature Rise of Field : $\leq 2^{\circ}\text{C}$
Illuminance depth (mm): $\geq 700\text{mm}$
Size of light field(mm): 100-280mm
Spot Diameter : d10: $270\text{mm} \pm 60\text{mm}$ d50: $150\text{mm} \pm 35\text{mm}$
Height Adjustment : 1200mm
Rated power of bulb :V/ W (12pc led bulb)
Power supply voltage:- $\sim 220\text{V}/50\text{Hz}$
Input power: 20 W
LED bulb life (hr) : $\geq 40,000$ Hz
LED bulb life (hr) : $\geq 50,000$



Model No. RC01L.II.LED-1 with battery

Technical Data

Technical Specifications
Illumination (lux) : ≥ 60000
Color Temperature (k) : 4500 ± 500
Temperature Rise of Field : $\leq 2^{\circ}\text{C}$
Illuminance depth (mm): $\geq 700\text{mm}$
Size of light field(mm): 100-280mm
Spot Diameter : d10: $270\text{mm} \pm 60\text{mm}$ d50: $150\text{mm} \pm 35\text{mm}$
Height Adjustment : 1200mm
Rated power of bulb :V/ W (12pc led bulb)
Power supply voltage:- $\sim 220\text{V}/50\text{Hz}$
Input power: 20 W
LED bulb life (hr) : $\geq 40,000$ 00



Features

- ◇ This light Suitable for ENT, urology, gynecology examination and outpatient surgery half auxiliary lighting.
- ◇ An imported LED cold light source is adopted as operation lighting.
- ◇ As a genuine cold light source.
- ◇ The LED shadowless lamp is pure-DC power supplied, without any strobe or harmonic.
- ◇ The service life of LED shadowless lamp is long (50,000 h).
- ◇ LED has high luminous efficiency and it is impact-resistant and strong to resist crumbling, without mercury contamination.
- ◇ The light it sends contains no infra-red or ultraviolet radiation pollution. The unique design of the spring arm.

Model No. RC01L.IILED

Technical Data

Illumination (lux) :60000lux
Color Temperature (k) :4500±500
Input power(VA) :20
CRI Tilt left and right :100≥Ra≥85
Tilt front and back :190°
Spring arm adjusted: ≥600



Model No. RC01L.IILED ceiling type

Technical Data

Illumination (lux) :60000lux
Color Temperature (k) :4500±500
Input power(VA) :20
CRI Tilt left and right :100≥Ra≥85
Tilt front and back :190°
Spring arm adjusted: ≥600



Model No. RC01L.IILED with battery

Technical Data

Illumination (lux) :60000lux
Color Temperature (k) :4500±500
Input power(VA) :20
CRI Tilt left and right :100≥Ra≥85
Tilt front and back :190°
Spring arm adjusted: ≥600
Battery : >8h

MINOR SURGERY LAMP

Features

- ◇ This light is working for gynecology, obstetrics, gynecology, ENT examination and general surgical lighting.
- ◇ Imported LED cold light source is adopted as operation lighting. As a genuine cold light source. Streamline design, beautiful looking. The lamp can be flexibly regulated 180 degrees. battery working (optional).

Technical Data

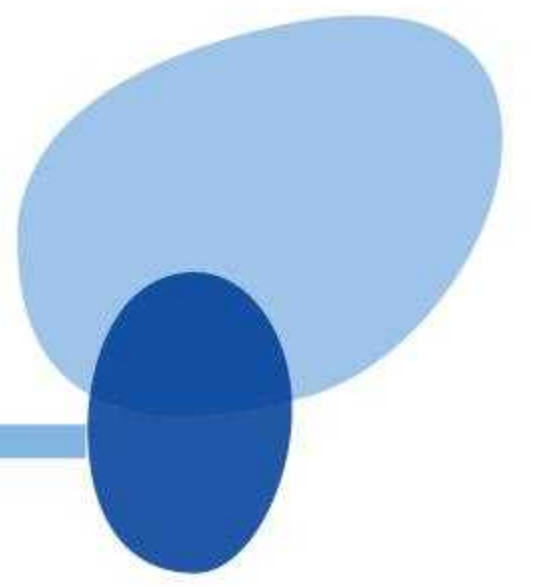
Illumination (lux) :80000lux
Color Temperature (k) :3500,4000,4500K 3 steps adjustabl
Input power(VA) :20
CRI Tilt left and right :100≥Ra≥85
Tilt front and back :190°
Spring arm adjusted: ≥600



Model No. RC01L.IILED NEW



Model No. RC01L.IILED NEW
(with back-up battery)



Features

- ◇ It is specially designed for mini operating room, outpatient examination or doctor's office. It has the following characteristics.
- ◇ Small lamp holder of only 75mm diameter which does not block off the sight line of doctor and nurse.
- ◇ Flexible cross arm of 700mm long which can be positioned optionally and can provide shine to the farthest place at difference angle.
- ◇ Electronic transformer which provides step less brightness control and meets requirement of different brightness.
- ◇ Portable pedestal which assures the lamp to be used in a farther place.
- ◇ Filter glass which makes light more pure and soft, like natural lightultraviolet radiation pollution.
- ◇ The unique design of the spring arm.

Model No. RC-YD01A (LED)

Technical Data

Color temperature: (3500±300) K

Illumination: ≥8000Lux

Temperature rise: ≤2°C

Power source: A.C. 220V±22V 50Hz±1Hz

Power consumption: 5W

Bulb: LED 3W

Optional serviceable range: 300mm-500mm from lamp holder



Features

- ◇ This cold-light has simple structure, easy usage, good appearance and practicability, as well as distinctive performance for deep illumination. More applicable to relatively low-storey room. of the spring arm.

Model No. RC-EL200

Technical Data

Illuminance: ≥50,000Lux

Color temperature :4000±500k

Power supply voltage:220V/50Hz

Rated power of bulb :24V/50W

Bulb:halogen bulb