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Company Introduction

SBS Vision Solution Co., Ltd is the pioneer machine vision solution company growing together with employees, bringing value and competitive strength for the customers, considering suppliers as our partners, and makingcontributions for society. Being beneficial for customers, suppliers and society is our permanent pursuit.

We are a group of companies with three business segments of the machine vision LED lights, camera modules & lens. Thanks to all our engineers with profound experiences, we enable to provide the fastest supports and strongest problem-solution for customers. As the saying goes “Time is money”; we deeply understand how crucial the time and problem-solvingability are for the projects. Therefore, we always insist our customers to consider SBS as one of their departments. Whatever customers want, we will spare no effortto support them. With such core ideaentrenched in all our staff, we win customers' trust and build long standing relationships with each other.

The advantages of our three segments business areas follow:

1.Machine vision LED lights

Owning advanced test labs, currently we have more than 15 engineers for customized design. Being profoundly experienced in structures, optics optimization, and imaging result, our engineers can make excellent lighting solution for customers' project demands. Fast delivery even for urgent demands are also available, with the shortest delivery time within 3 days. We have never stopped to make innovation and creation, such as the unique structure light for 3D inspection, the multi-angle tunnel lights to make focused lighting for line scan application,and so on.

2.Camera modules

To save cost for customers, we provide different cost-effective camera modules, which won a lot of customers' satisfaction for the high performance and good stability

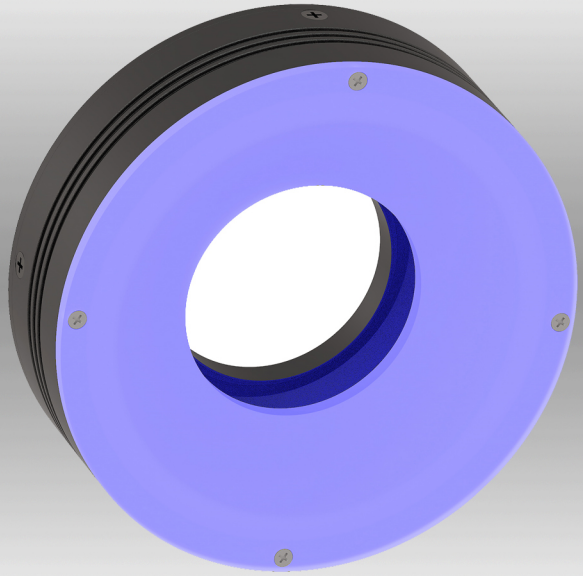
3.Lens

We provide multiple types of lens, such as focal length lens for machine vision inspection and security system; line scan lens for the fast speed line scan application; telecentric lens for the high-resolution application; M12 wide angle mini lens for embedded vision system or security system.

We will make our contributions to build a more creative and smarter world together with our customers and suppliers

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Ring Lights SBS-RL series



Products Features

- ▶ Structure optimized light.
- ▶ Flexiable to make different angels and colors.
- ▶ Compatible for different machine vision applications.

Applications the light be used for

- ● Characters inspection of the semiconducts.
- ● PCB and electroronices.
- ● Package and label inspeciton.
- ● Dimension measure.

Model Description

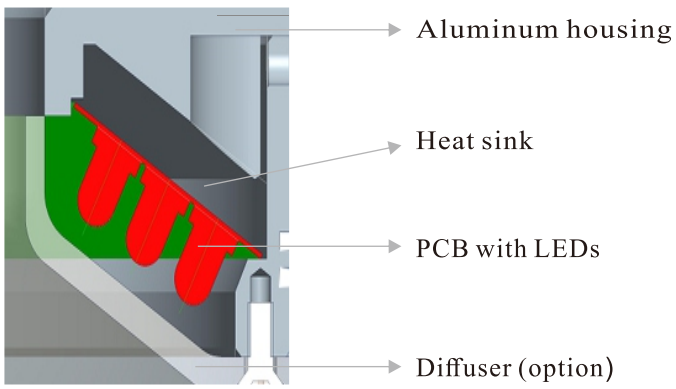
SBS-RL-XXXXX-X

- SBS-RL-XXXXX-X → Color
- SBS-RL-XXXXX → Angle
- SBS-RL-XXX → Outer diameter
- SBS-RL → Ring Lights
- SBS → SBS Vision

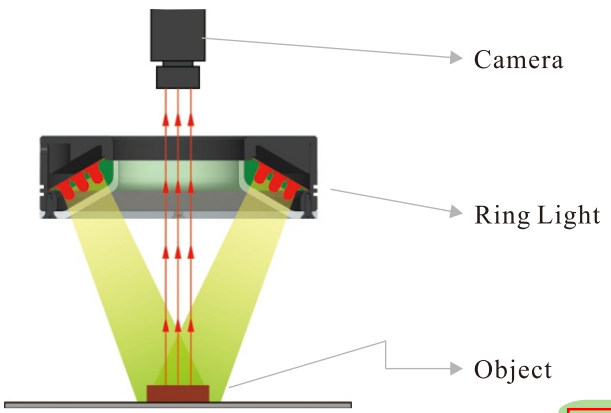
Customization

- ● Dimensions
- ● Emitting angles
- ● Connector
- ● Cable length
- ● Mounting
- ● Power

Structure



Components



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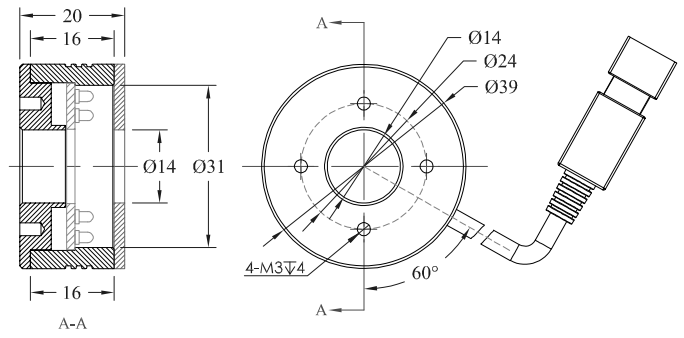
Parameter

Item	Model	Power consumpiton Red Color	Power consumpiton (W,B,G)	Option	Extension cable	Recommended Controller
1	SBS-RL3900-X	24V/0.72W	24V/1.44W	Diffuser	1m/3m/5m	SBS-AC24XX-X (Analog controller) SBS-DC24XX-X (Digital controller) SBS-ODC48XX-X (Strobe controller)
2	SBS-RL5400-X	24V/1.15W	24V/2.01W	Diffuser	1m/3m/5m	
3	SBS-RL7000-X	24V/2.59W	24V/4.03W	Diffuser	1m/3m/5m	
4	SBS-RL9000-X	24V/5.18W	24V/7.49W	Diffuser	1m/3m/5m	
5	SBS-RL12000-X	24V/6.91W	24V/10.08W	Diffuser	1m/3m/5m	
6	SBS-RL15000-X	24V/11.72W	24V/15.93W	Diffuser	1m/3m/5m	
7	SBS-RL9015-X	24V/4.60W	24V/7.49W	Diffuser	1m/3m/5m	
8	SBS-RL5030-X	24V/1.20W	24V/2.01W	Diffuser	1m/3m/5m	
9	SBS-RL7030-X	24V/2.59W	24V/3.75W	Diffuser	1m/3m/5m	
10	SBS-RL9030-X	24V/4.89W	24V/5.76W	Diffuser	1m/3m/5m	
11	SBS-RL12030-X	24V/6.48W	24V/9.84W	Diffuser	1m/3m/5m	
12	SBS-RL15030-X	24V/6.96W	24V/10.32W	Diffuser	1m/3m/5m	
13	SBS-RL18030-X	24V/11.76W	24V/18.48W	Diffuser	1m/3m/5m	
14	SBS-RL5045-X	24V/1.73W	24V/2.88W	Diffuser	1m/3m/5m	
15	SBS-RL7045-X	24V/2.88W	24V/4.61W	Diffuser	1m/3m/5m	
16	SBS-RL9045-X	24V/3.62W	24V/5.76W	Diffuser	1m/3m/5m	
17	SBS-RL12045-X	24V/4.83W	24V/7.24W	Diffuser	1m/3m/5m	
18	SBS-RL15045-X	24V/6.28W	24V/9.52W	Diffuser	1m/3m/5m	
19	SBS-RL5060-X	24V/1.20W	24V/2.01W	Diffuser	1m/3m/5m	
20	SBS-RL7060-X	24V/2.59W	24V/3.75W	Diffuser	1m/3m/5m	
21	SBS-RL9060-X	24V/3.42W	24V/4.32W	Diffuser	1m/3m/5m	
22	SBS-RL12060-X	24V/4.53W	24V/6.88W	Diffuser	1m/3m/5m	
23	SBS-RL15060-X	24V/4.87W	24V/7.22W	Diffuser	1m/3m/5m	
24	SBS-RL18060-X	24V/8.23W	24V/12.93W	Diffuser	1m/3m/5m	
25	SBS-RL5090-X	24V/0.57W	24V/0.86W	Diffuser	1m/3m/5m	
26	SBS-RL7090-X	24V/0.86W	24V/1.15W	Diffuser	1m/3m/5m	
27	SBS-RL9690-X	24V/1.15W	24V/1.44W	Diffuser	1m/3m/5m	
28	SBS-RL12090-X	24V/2.30W	24V/3.46W	Diffuser	1m/3m/5m	
29	SBS-RL15090-X	24V/2.59W	24V/3.84W	Diffuser	1m/3m/5m	

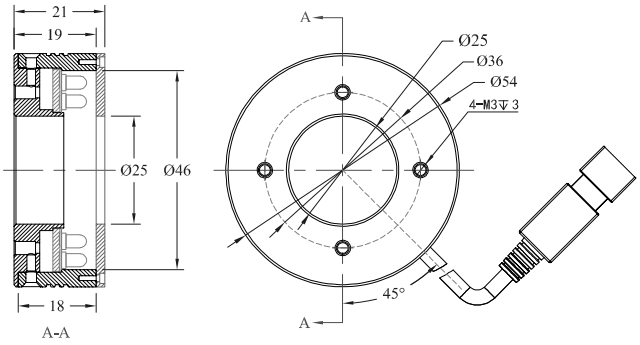
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vision solution SBS-RL series

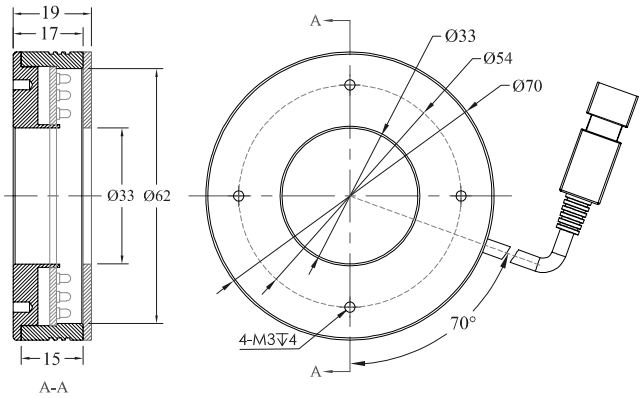
Dimensions (mm)



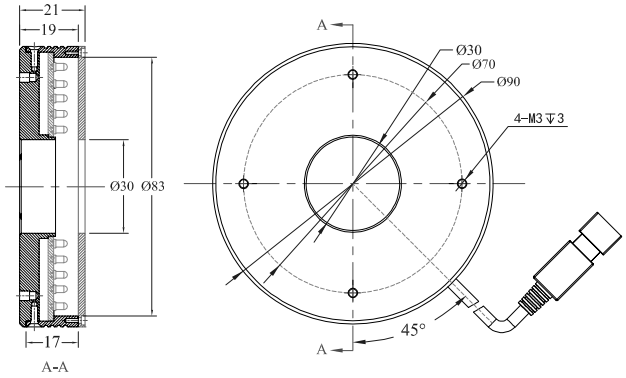
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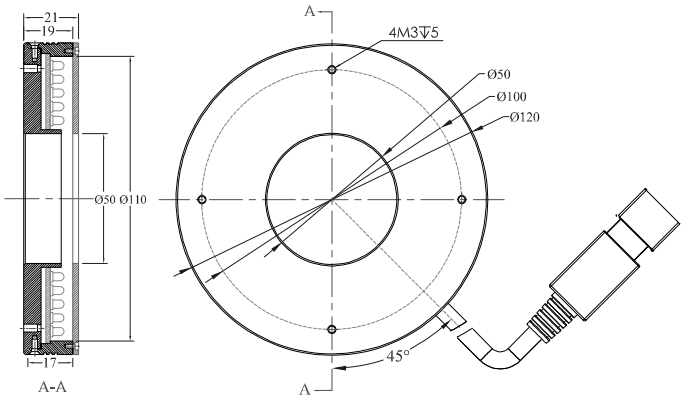
SBS-RL5400-X



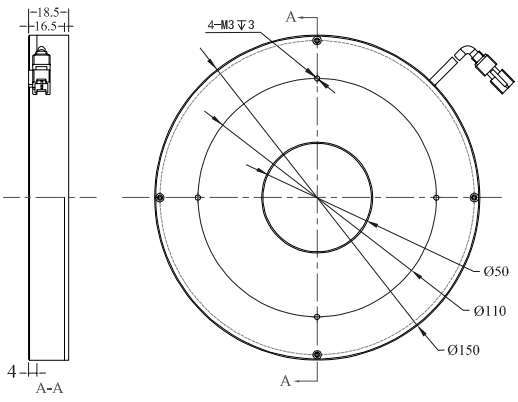
SBS-RL7000-X



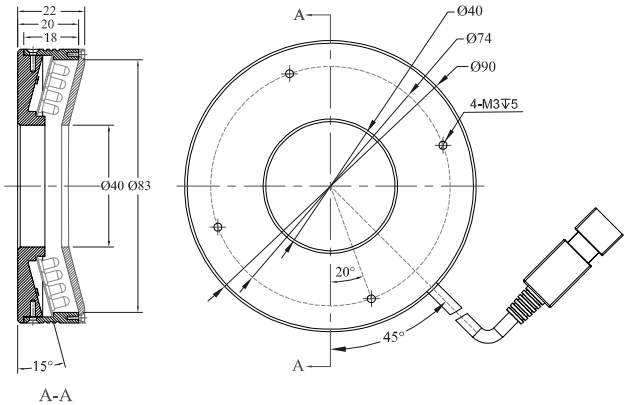
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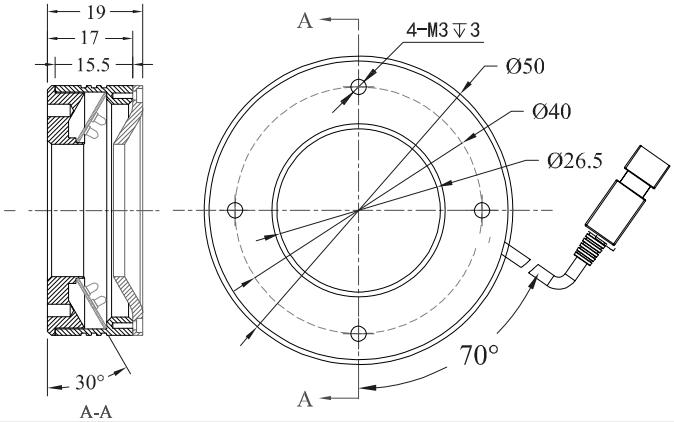
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SBS-RL15000-X

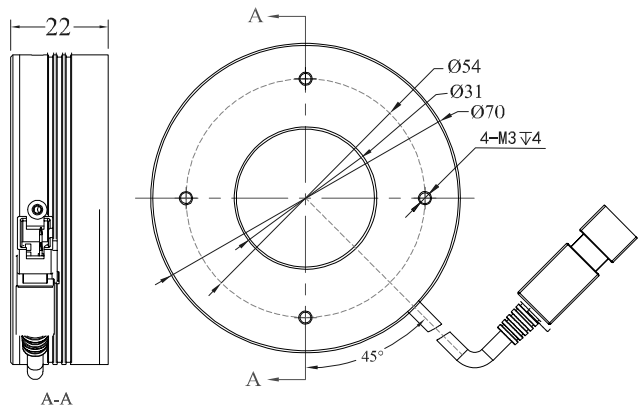


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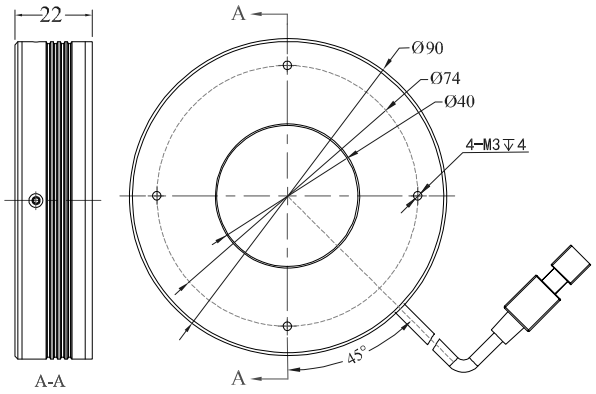


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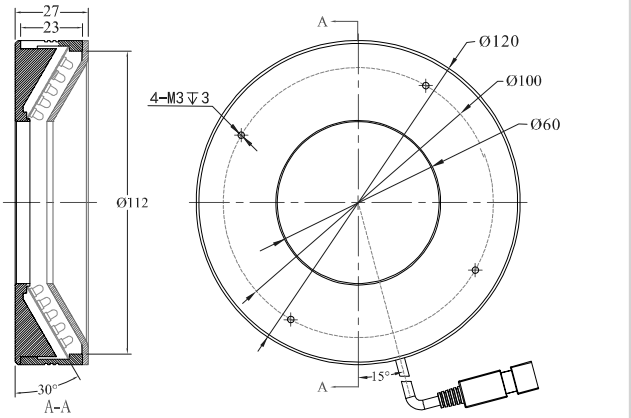
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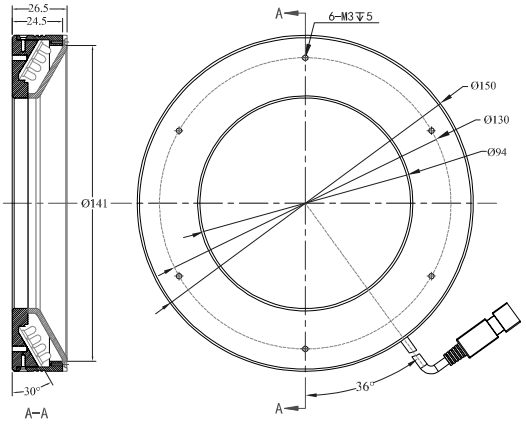
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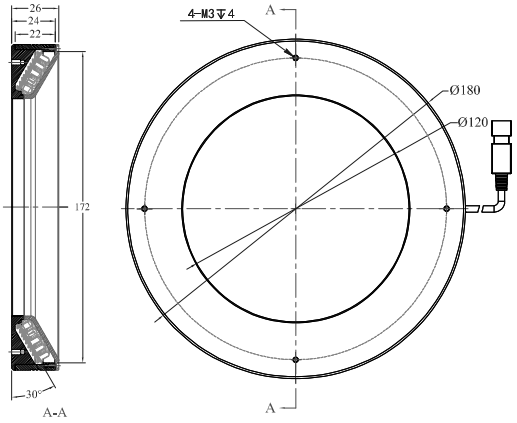
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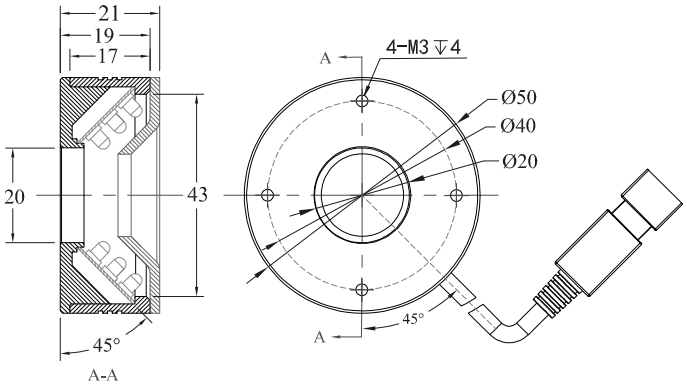
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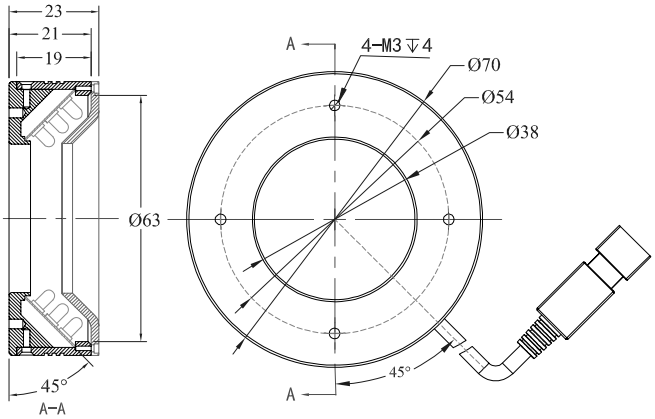
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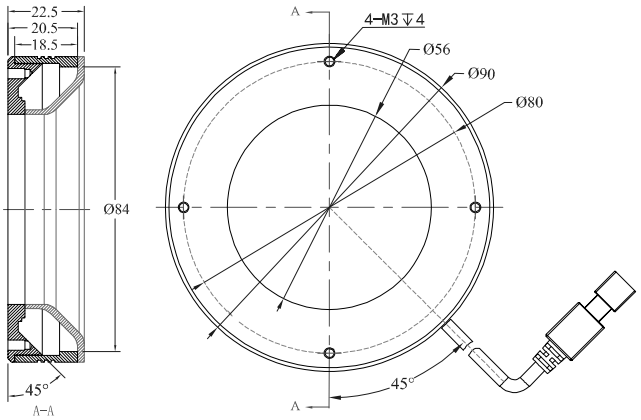
SBS-RL18030-X



SBS-RL5045-X



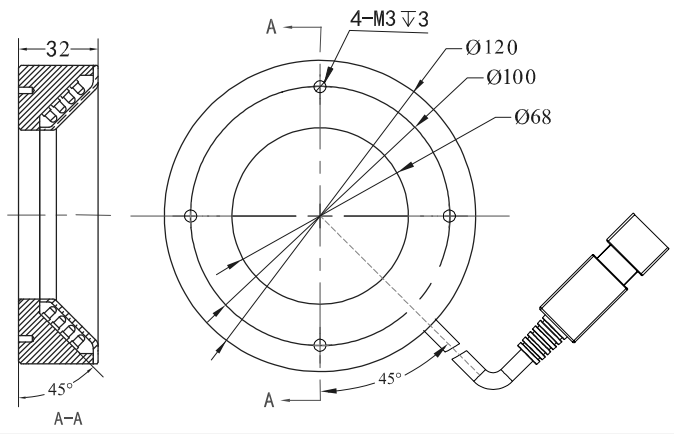
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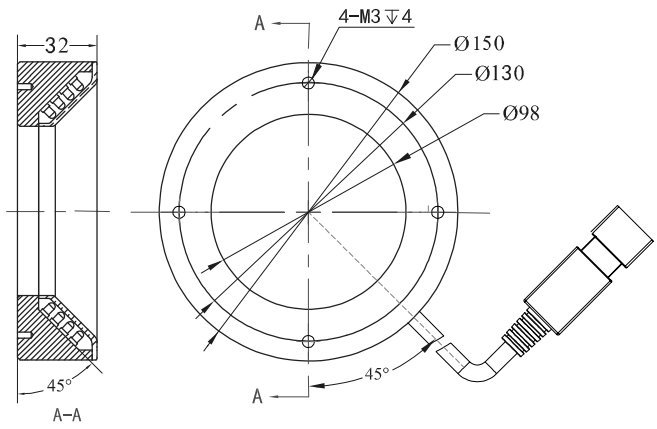
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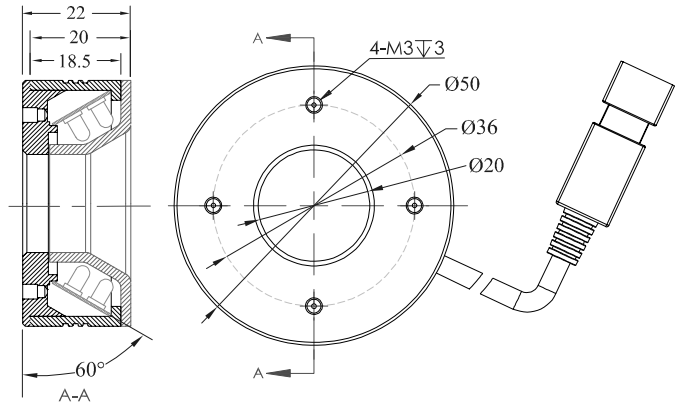
vision solution SBS-RL series



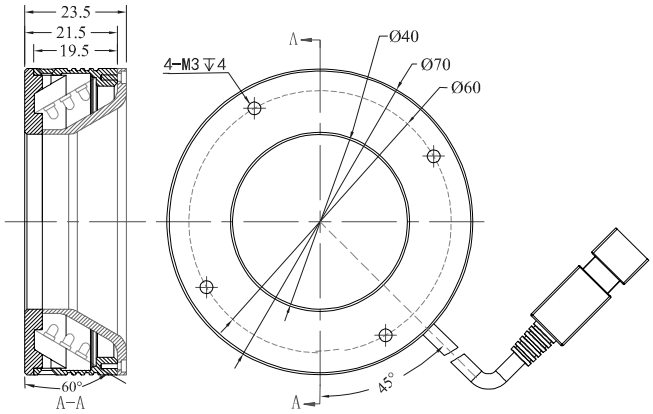
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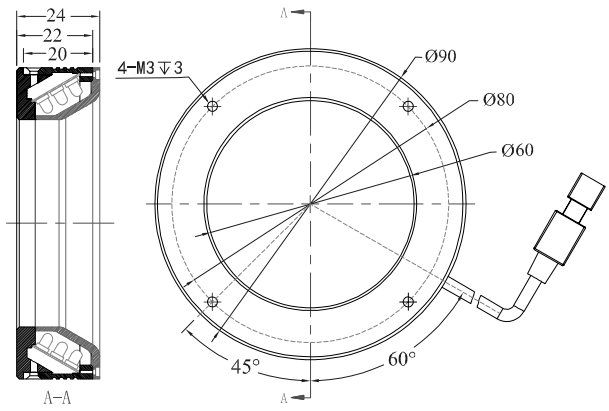
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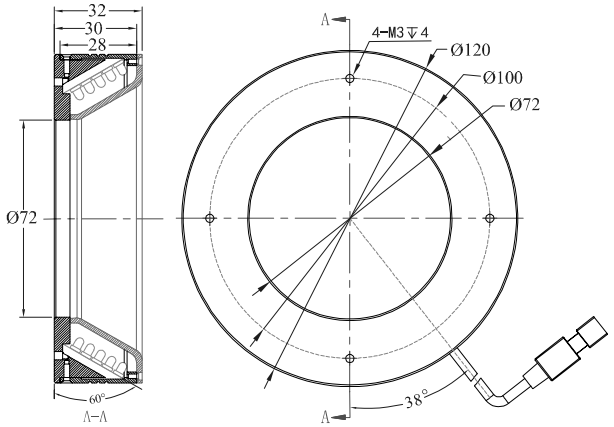
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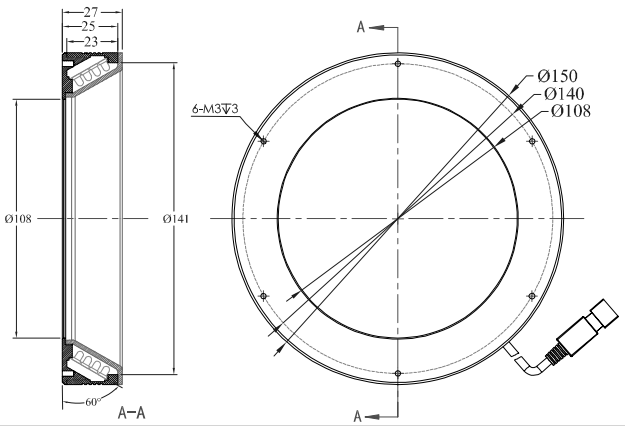
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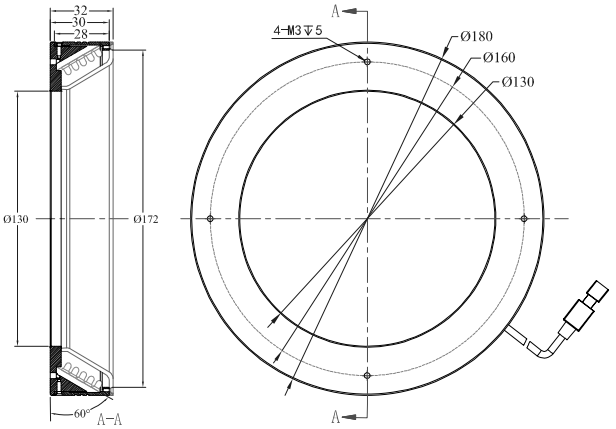
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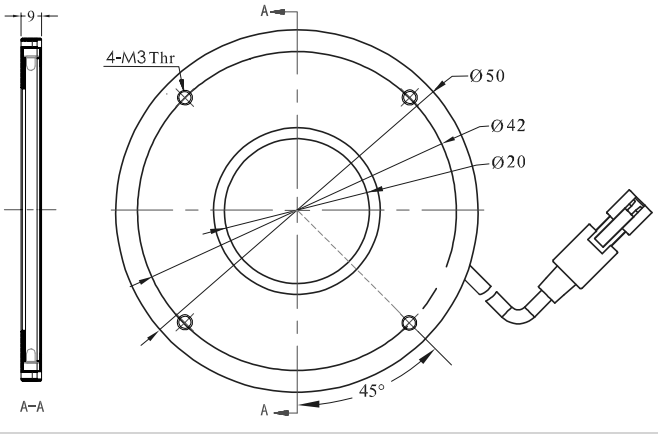


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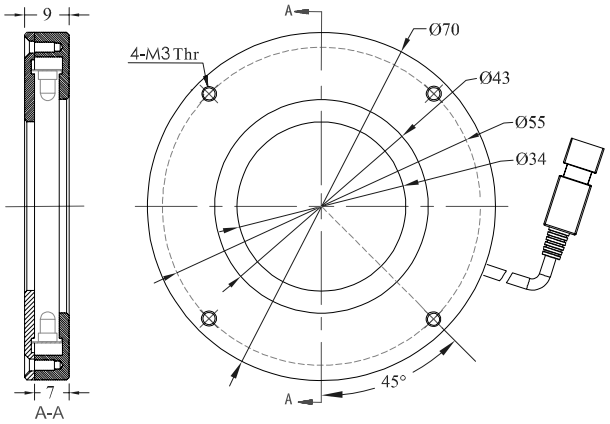


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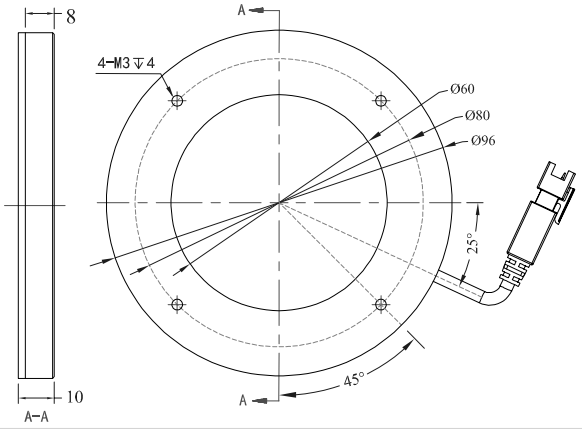
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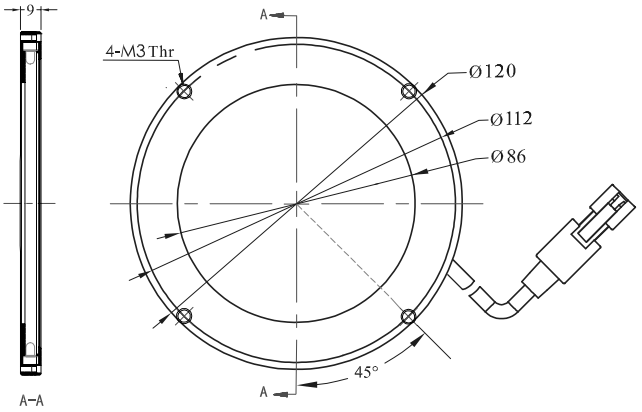
SBS-RL5090-X



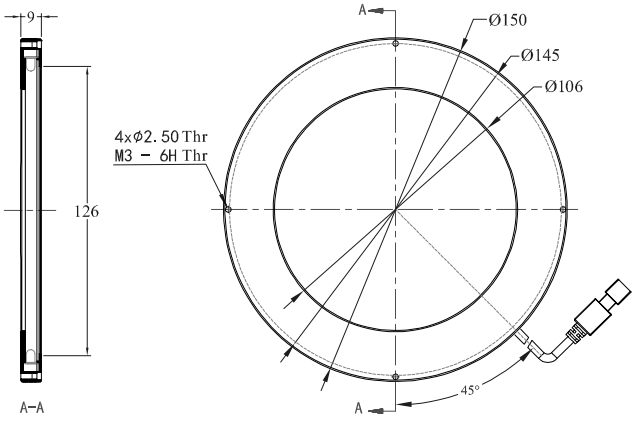
SBS-RL7090-X



SBS-RL9690-X



SBS-RL12090-X

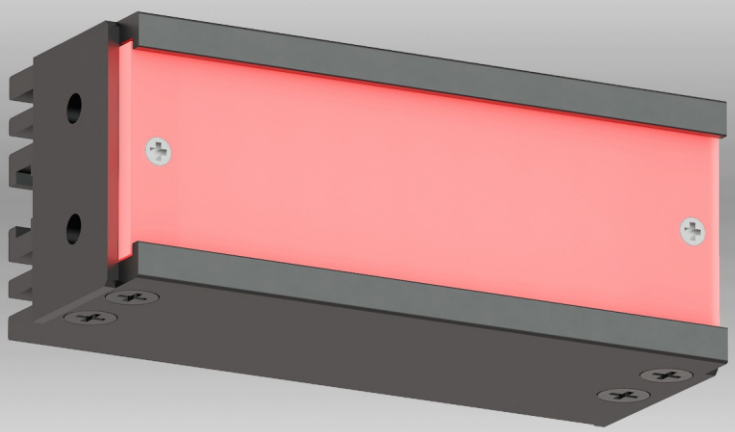


SBS-RL15090-X

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SBS vision solution

Bar Lights SBS-BL series



Products Features

- ▶ Various lengths from mm to m.
- ▶ Lights can be combined freely.

Model Description

SBS-BL-XXX22/37-X-T/C

- SBS Vision
- Bar Lights
- Length
- Width 22mm or 37mm
- Color
- T: chip leds
  C: SMD leds

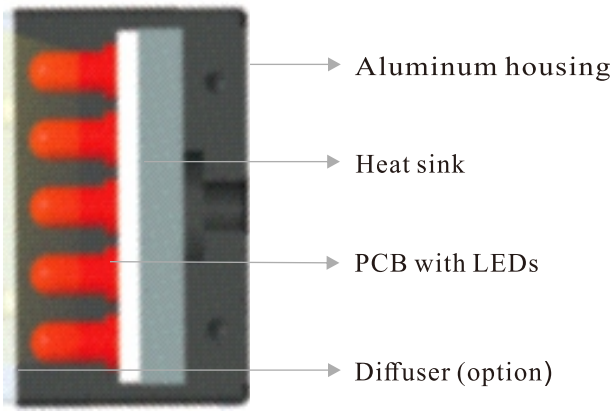
Applications the light be used for

- ●Package damage inspection.
- ●LCD characters inspeciton and positioning mark.
- ●Film damage inspection.
- ●Tape damage Inspection.
- ●Flatness inspection of IC connector pin.
- ●Scratch inspection of large object.

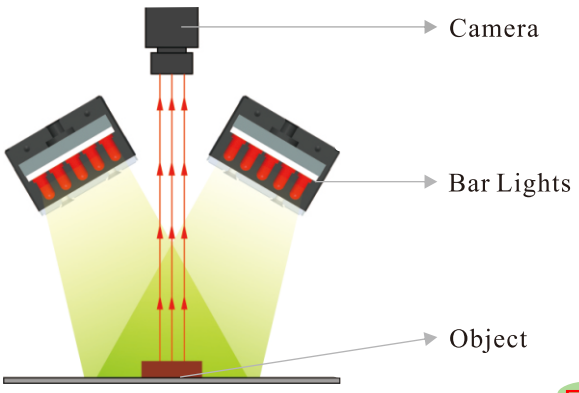
Customization

- ●Dimensions
- ●Power
- ●Connector
- ●Cable length
- ●Mounting
- ●Emitting angles

Structure

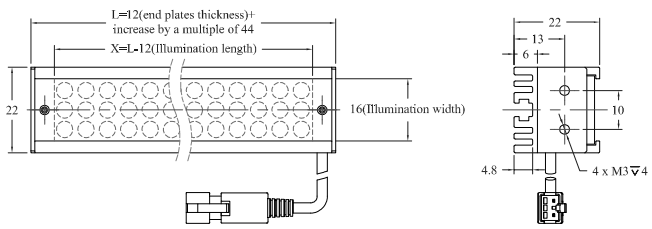


Components

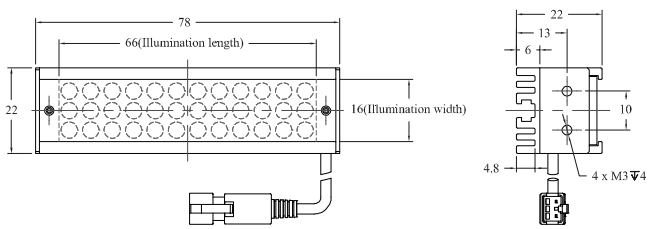


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Dimensions (mm)



SBS-BLXXX22-X-T/C (except BL7822)



SBS-BL7822-X-T/C

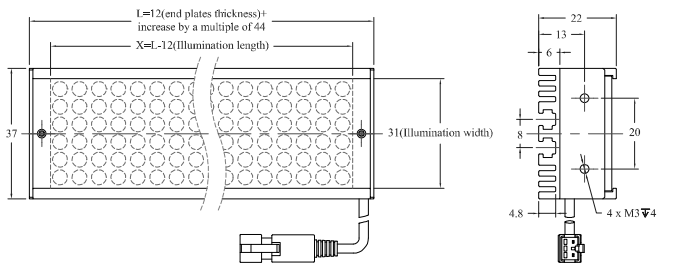
Parameter

Item	Model	Power consumpiton Red Color	Power consumpiton (W,B,G)	Dimension L*W*H (mm)	Illumination size L*W (mm)	Option	Recommended Controller
1	SBS-BL5622-X-T/C	24V/0.72W	24V/1.08W	56*22*22	44*16	Diffuser	SBS-AC24XX-X (Analog controller) SBS-DC24XX-X (Digital controller) SBS-ODC48XX-X (Strobe controller)
2	SBS-BL7822-X-T/C	24V/1.44W	24V/2.16W	78*22*22	66*16	Diffuser	
3	SBS-BL10022-X-T/C	24V/2.16W	24V/3.24W	100*22*22	88*16	Diffuser	
4	SBS-BL14422-X-T/C	24V/2.88W	24V/4.32W	144*22*22	132*16	Diffuser	
5	SBS-BL18822-X-T/C	24V/3.60W	24V/5.40W	188*22*22	176*16	Diffuser	
6	SBS-BL23222-X-T/C	24V/4.32W	24V/6.48W	232*22*22	220*16	Diffuser	
7	SBS-BL27622-X-T/C	24V/5.04W	24V/7.56W	276*22*22	264*16	Diffuser	
8	SBS-BL32022-X-T/C	24V/5.76W	24V/8.64W	320*22*22	308*16	Diffuser	
9	SBS-BL36422-X-T/C	24V/6.48W	24V/9.72W	364*22*22	352*16	Diffuser	
10	SBS-BL40822-X-T/C	24V/7.20W	24V/10.80W	408*22*22	396*16	Diffuser	
11	SBS-BL45222-X-T/C	24V/7.92W	24V/11.88W	452*22*22	440*16	Diffuser	
12	SBS-BL49622-X-T/C	24V/8.64W	24V/12.96W	496*22*22	484*16	Diffuser	
13	SBS-BL54022-X-T/C	24V/9.36W	24V/14.04W	540*22*22	528*16	Diffuser	
14	SBS-BL58422-X-T/C	24V/10.08W	24V/15.12W	584*22*22	572*16	Diffuser	
15	SBS-BL62822-X-T/C	24V/10.80W	24V/16.2W	628*22*22	616*16	Diffuser	
16	SBS-BL67222-X-T/C	24V/11.52W	24V/17.28W	672*22*22	660*16	Diffuser	
17	SBS-BL71622-X-T/C	24V/12.24W	24V/18.36W	716*22*22	704*16	Diffuser	
18	SBS-BL76022-X-T/C	24V/12.96W	24V/19.44W	760*22*22	748*16	Diffuser	
19	SBS-BL80422-X-T/C	24V/13.68W	24V/20.52W	804*22*22	792*16	Diffuser	
20	SBS-BL84822-X-T/C	24V/14.40W	24V/21.60W	848*22*22	836*16	Diffuser	
21	SBS-BL89222-X-T/C	24V/15.12W	24V/22.68W	892*22*22	880*16	Diffuser	
22	SBS-BL93622-X-T/C	24V/15.84W	24V/23.76W	936*22*22	924*16	Diffuser	
23	SBS-BL98022-X-T/C	24V/16.56W	24V/24.84W	980*22*22	968*16	Diffuser	

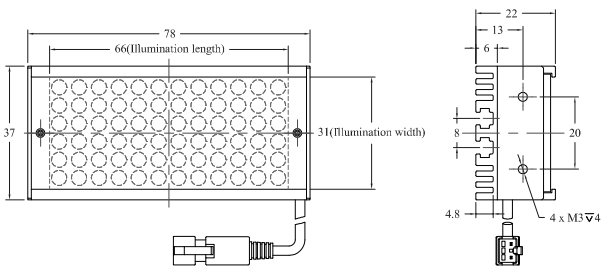
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vision solution SBS-BL series

Dimensions (mm)



SBS-BLXXX37-X-T/C (except BL7837)



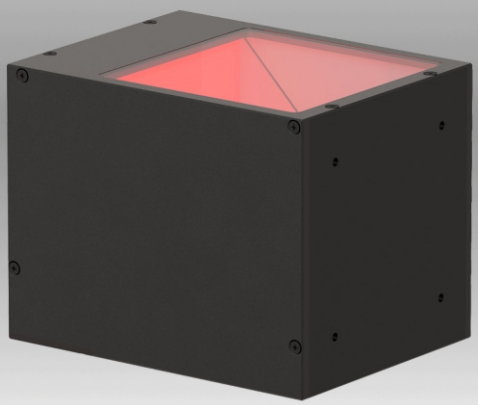
SBS-BL7837-X-T/C

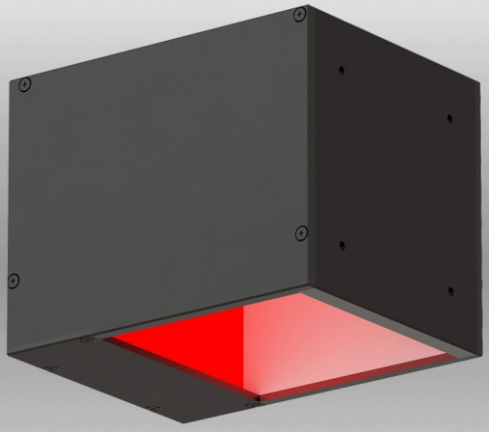
Parameter

Item	Model	Power consumpiton Red Color	Power consumpiton (W,B,G)	Dimension L*W*H (mm)	Illumination size L*W (mm)	Option	Recommended Controller
1	SBS-BL5637-X-T/C	24V/0.72W	24V/1.08W	56*37*22	44*31	Diffuser	SBS-AC24XX-X (Analog controller) SBS-DC24XX-X (Digital controller) SBS-ODC48XX-X (Strobe controller)
2	SBS-BL7837-X-T/C	24V/1.44W	24V/2.16W	78*37*22	66*31	Diffuser	
3	SBS-BL10037-X-T/C	24V/2.16W	24V/3.24W	100*37*22	88*31	Diffuser	
4	SBS-BL14437-X-T/C	24V/2.88W	24V/4.32W	144*37*22	132*31	Diffuser	
5	SBS-BL18837-X-T/C	24V/3.60W	24V/5.40W	188*37*22	176*31	Diffuser	
6	SBS-BL23237-X-T/C	24V/4.32W	24V/6.48W	232*37*22	220*31	Diffuser	
7	SBS-BL27637-X-T/C	24V/5.04W	24V/7.56W	276*37*22	264*31	Diffuser	
8	SBS-BL32037-X-T/C	24V/5.76W	24V/8.64W	320*37*22	308*31	Diffuser	
9	SBS-BL36437-X-T/C	24V/6.48W	24V/9.72W	364*37*22	352*31	Diffuser	
10	SBS-BL40837-X-T/C	24V/7.20W	24V/10.80W	408*37*22	396*31	Diffuser	
11	SBS-BL45237-X-T/C	24V/7.92W	24V/11.88W	452*37*22	440*31	Diffuser	
12	SBS-BL49637-X-T/C	24V/8.64W	24V/12.96W	496*37*22	484*31	Diffuser	
13	SBS-BL54037-X-T/C	24V/9.36W	24V/14.04W	540*37*22	528*31	Diffuser	
14	SBS-BL58437-X-T/C	24V/10.08W	24V/15.12W	584*37*22	572*31	Diffuser	
15	SBS-BL62837-X-T/C	24V/10.80W	24V/16.2W	628*37*22	616*31	Diffuser	
16	SBS-BL67237-X-T/C	24V/11.52W	24V/17.28W	672*37*22	660*31	Diffuser	
17	SBS-BL71637-X-T/C	24V/12.24W	24V/18.36W	716*37*22	704*31	Diffuser	
18	SBS-BL76037-X-T/C	24V/12.96W	24V/19.44W	760*37*22	748*31	Diffuser	
19	SBS-BL80437-X-T/C	24V/13.68W	24V/20.52W	804*37*22	792*31	Diffuser	
20	SBS-BL84837-X-T/C	24V/14.40W	24V/21.60W	848*37*22	836*31	Diffuser	
21	SBS-BL89237-X-T/C	24V/15.12W	24V/22.68W	892*37*22	880*31	Diffuser	
22	SBS-BL93637-X-T/C	24V/15.84W	24V/23.76W	936*37*22	924*31	Diffuser	
23	SBS-BL98037-X-T/C	24V/16.56W	24V/24.84W	980*37*22	968*31	Diffuser	

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Coaxial Lights SBS-CL series





Products Features

- ▶ Using high density LEDs.
- ▶ High intensity and uniformity.
- ▶ Using special coated mirror.
- ▶ Suitable for scratch inspection of smooth surface.

Applications the light be used for

- ● Laser mark inspection of wafer.
- ● Marked charaters inspection of metal, bearing, can.
- ● QR code inspeciton of metal and glass.
- ● LCD defects inspection.

Customization

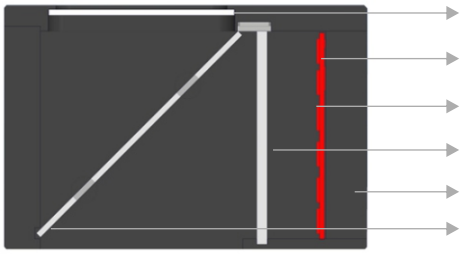
- ● Dimensions
- ● Color
- ● Power
- ● Cable length
- ● Mounting
- ● Connector

Model Description

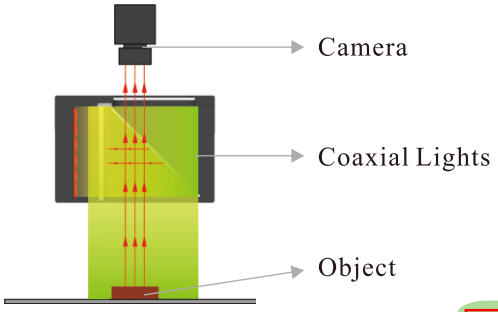
SBS-CL-XXX-X

- Color
- Width
- Coaxial Lights
- SBS Vision

Structure



Components

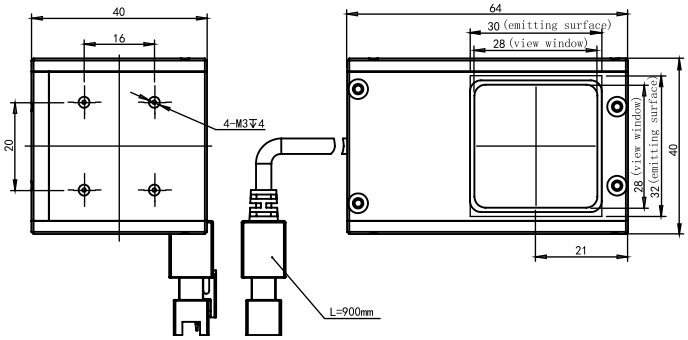


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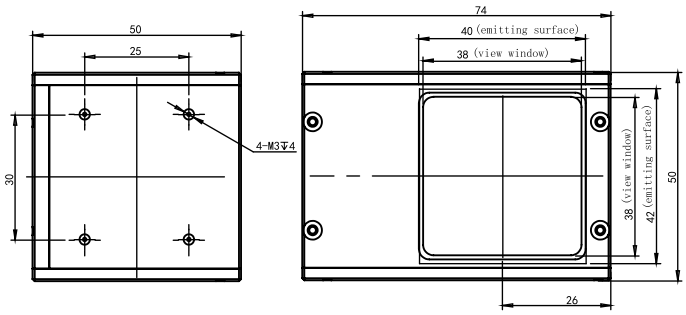
Parameter

Item	Model	Power consumpiton Red Color	Power consumpiton (W,B,G)	Option	Extension cable	Recommended Controller
1	SBS-CL40-X	24V/1.73W	24V/2.30W	Diffuser	1m/3m/5m	SBS-AC24XX-X (Analog controller) SBS-DC24XX-X (Digital controller) SBS-ODC48XX-X (Strobe controller)
2	SBS-CL50-X	24V/2.30W	24V/3.74W	Diffuser	1m/3m/5m	
3	SBS-CL60-X	24V/3.45W	24V/5.18W	Diffuser	1m/3m/5m	
4	SBS-CL70-X	24V/4.89W	24V/7.20W	Diffuser	1m/3m/5m	

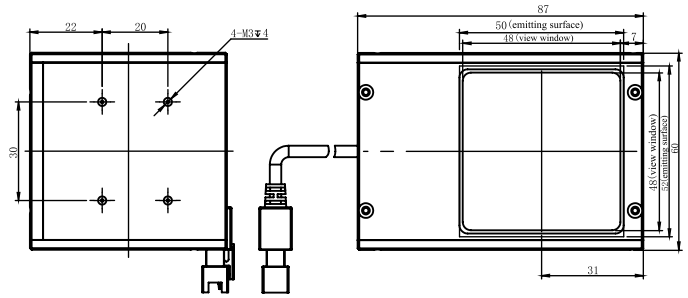
Dimensions(mm)



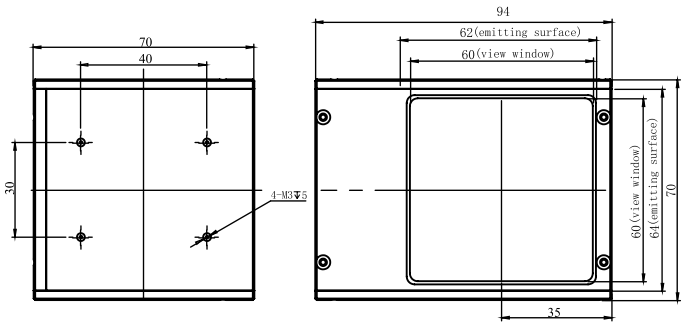
SBS-CL40-X



SBS-CL50-X



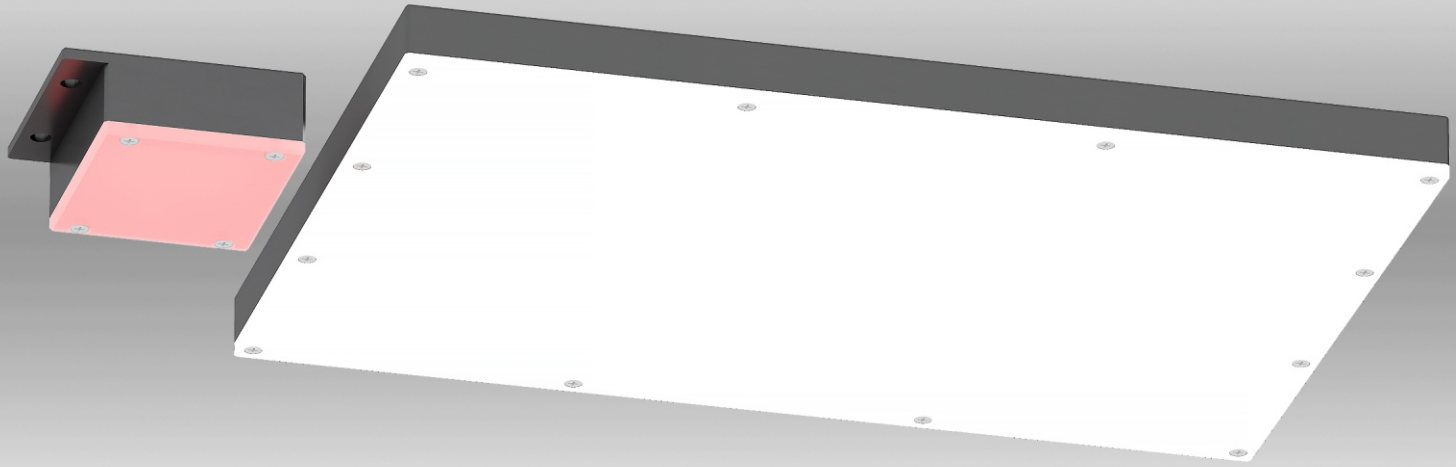
SBS-CL60-X



SBS-CL70-X

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Back Lights SBS-BAL series



Products Features

- ▶ High uniformity.
- ▶ Adding intensifying film, intensity can be increased by 20%~50%.
- ▶ Usually, be used for profile inspection.

Applications the light be used for

- ● Profile and dimension measuring.
- ● Scratch, dirty, internal foreign, damage inspection of transparent objects.
- ● Damage and foreign substance inspection of glass.

Model Description

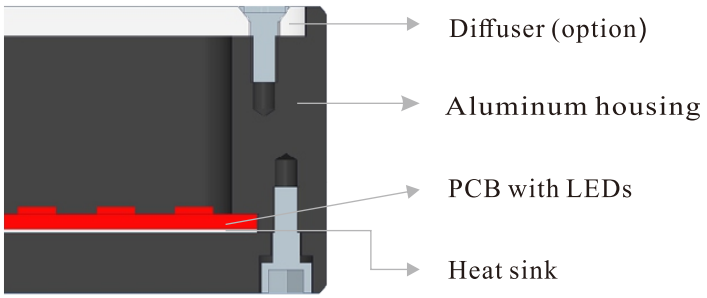
SBS-BAL-XXXXX-X

- Color
- Emitting surface width
- Emitting surface length
- Back Lights
- SBS Vision

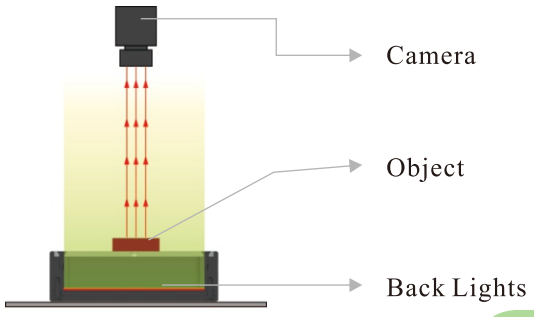
Customization

- ● Dimensions
- ● Connector
- ● Power
- ● Cable length
- ● Mounting
- ● Color

Structure



Components

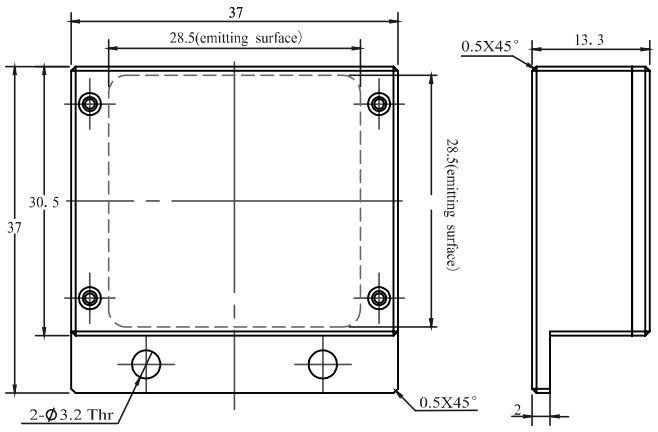


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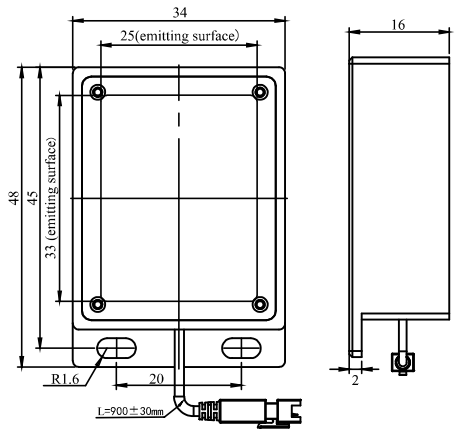
Parameter

Item	Model	Power consumpiton Red Color	Power consumpiton (W,B,G)	Option	Extension cable	Recommended Controller
1	SBS-BAL2828-X	24V/1.0W	24V/1.58W	Diffuser	1m/3m/5m	SBS-AC24XX-X (Analog controller) SBS-DC24XX-X (Digital controller) SBS-ODC48XX-X (Strobe controller)
2	SBS-BAL3325-X	24V/0.86W	24V/1.44W	Diffuser	1m/3m/5m	
3	SBS-BAL5450-X	24V/1.72W	24V/2.59W	Diffuser	1m/3m/5m	
4	SBS-BAL7070-X	24V/3.45W	24V/4.89W	Diffuser	1m/3m/5m	
5	SBS-BAL8080-X	24V/3.60W	24V/6.62W	Diffuser	1m/3m/5m	
6	SBS-BAL9090-X	24V/5.47W	24V/8.06W	Diffuser	1m/3m/5m	
7	SBS-BAL100100-X	24V/6.91W	24V/10.08W	Diffuser	1m/3m/5m	
8	SBS-BAL120120-X	24V/9.79W	24V/14.40W	Diffuser	1m/3m/5m	
9	SBS-BAL150150-X	24V/12.48W	24V/18.72W	Diffuser	1m/3m/5m	
10	SBS-BAL200200-X	24V/18.96W	24V/28.32W	Diffuser	1m/3m/5m	
11	SBS-BAL250250-X	24V/25.68W	24V/38.40W	Diffuser	1m/3m/5m	

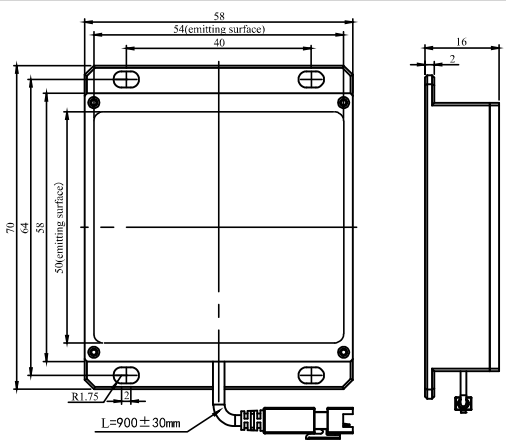
Dimensions(mm)



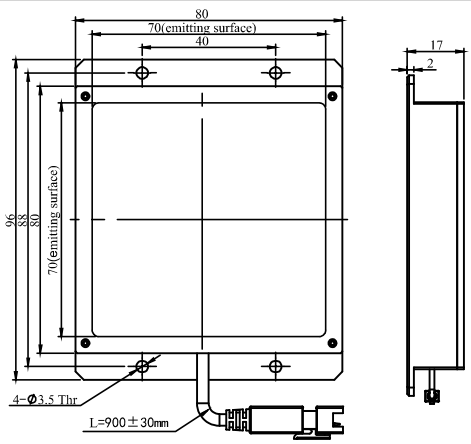
SBS-BAL2828-X



SBS-BAL3325-X



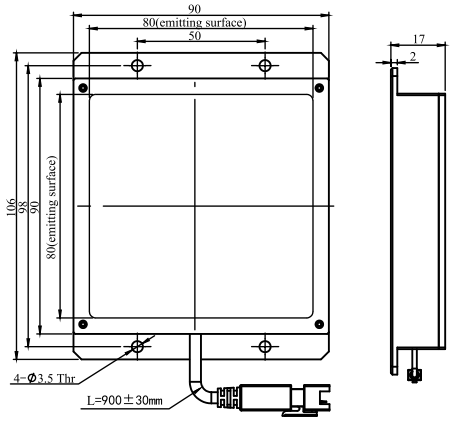
SBS-BAL5450-X



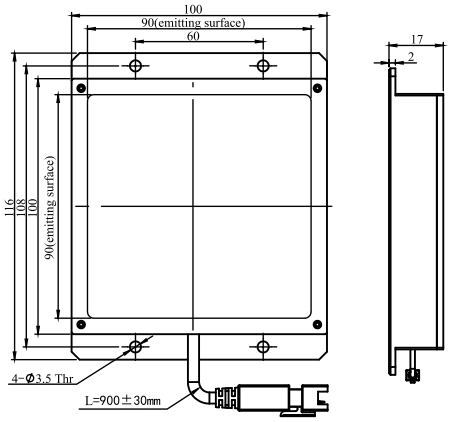
SBS-BAL7070-X

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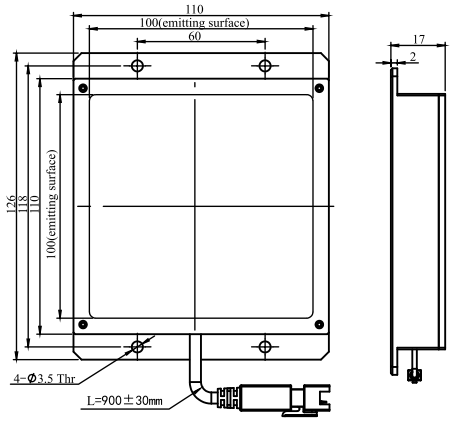
vision solution SBS-BAL series



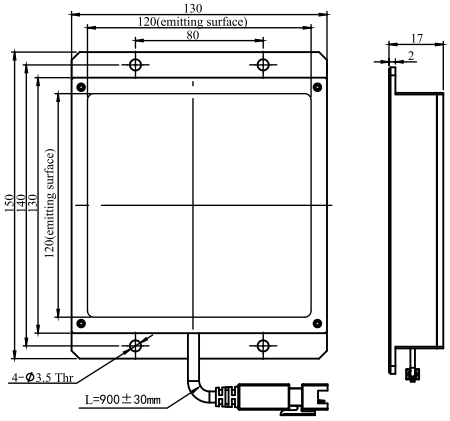
SBS-BAL8080-X



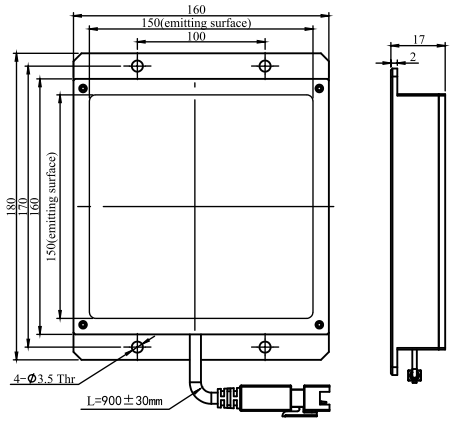
SBS-BAL9090-X



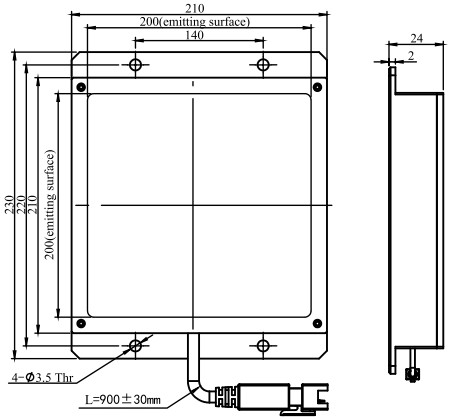
SBS-BAL100100-X



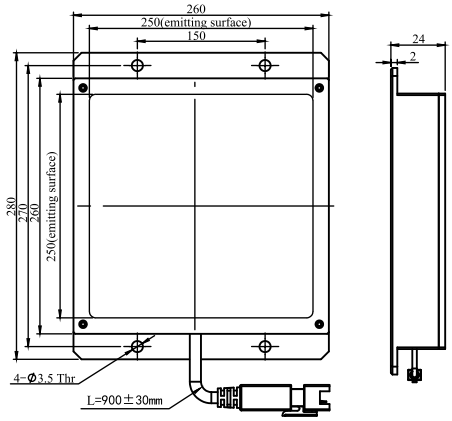
SBS-BAL120120-X



SBS-BAL150150-X



SBS-BAL200200-X

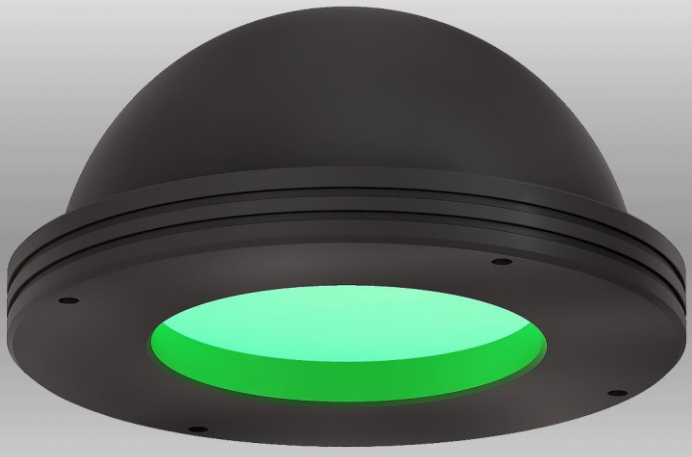


SBS-BAL250250-X

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vision solution

Dome Lights SBS-DL series



Products Features

- Using special diffuser.
- Dome structure.
- Suitable for the application of uneven or reflective surface.

Applications the light be used for

- Uneven and reflective surface defects inspection.
- Characters inspection of IC surface.
- Damage inspection of condenser.
- QR code inspection of can.
- Glass instrument panel inspection.
- IC defects inspection of PCB board.

Model Description

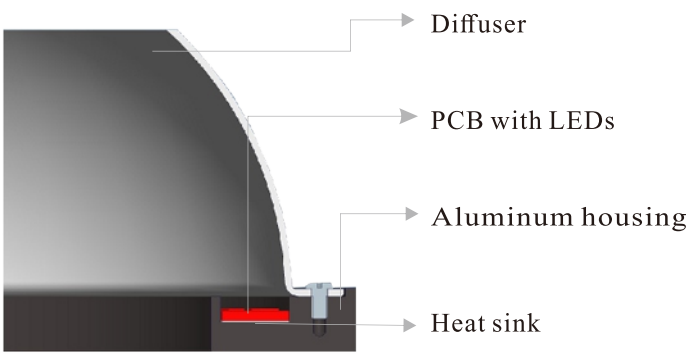
SBS-DL-XXXXX-X

- Color
- Emitting surface size
- Outer diameter
- Dome Lights
- SBS Vision

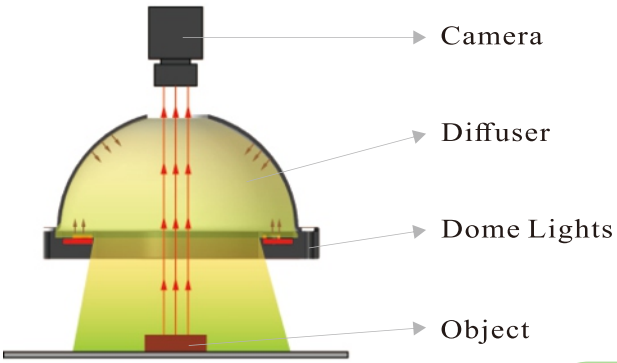
Customization

- Dimensions
- Power
- Color
- Cable length
- Connector
- Mounting

Structure



Components

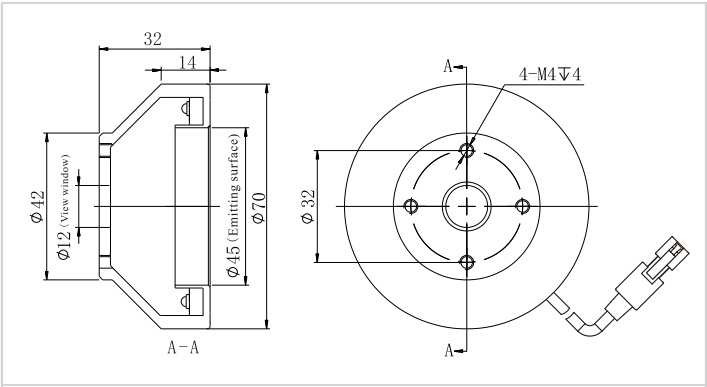


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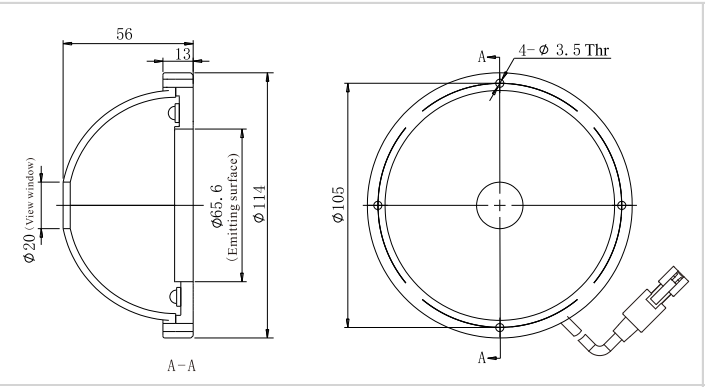
Parameter

Item	Model	Power consumpiton Red Color	Power consumpiton (W,B,G)	Option	Extension cable	Recommended Controller
1	SBS-DL70-X	24V/3.60W	24V/7.20W	Diffuser	1m/3m/5m	SBS-AC24XX-X (Analog controller) SBS-DC24XX-X (Digital controller) SBS-ODC48XX-X (Strobe controller)
2	SBS-DL114-X	24V/7.20W	24V/7.20W	Diffuser	1m/3m/5m	
3	SBS-DL120-X	24V/7.20W	24V/10.80W	Diffuser	1m/3m/5m	
4	SBS-DL175-X	24V/7.20W	24V/10.80W	Diffuser	1m/3m/5m	
5	SBS-DL198-X	24V/10.80W	24V/14.40W	Diffuser	1m/3m/5m	
6	SBS-DL260-X	24V/10.80W	24V/18.00W	Diffuser	1m/3m/5m	

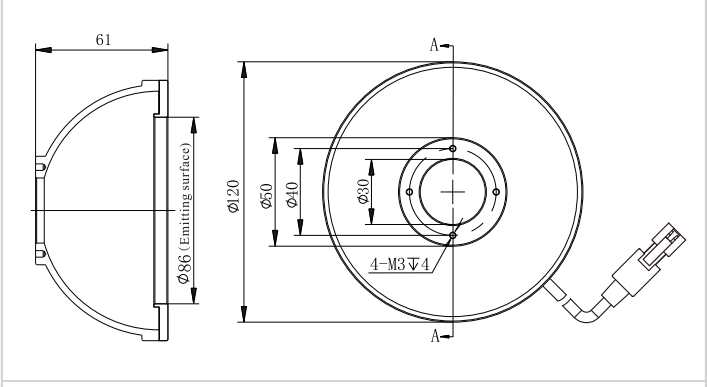
Dimensions(mm)



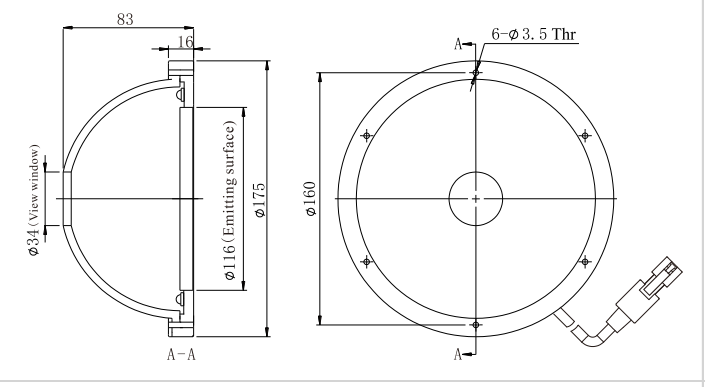
SBS-DL70-X



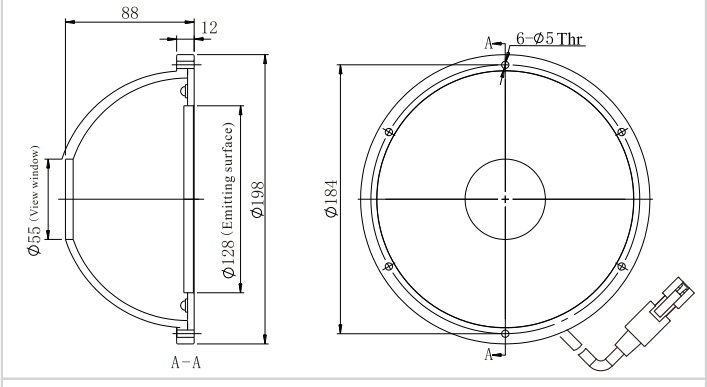
SBS-DL114-X



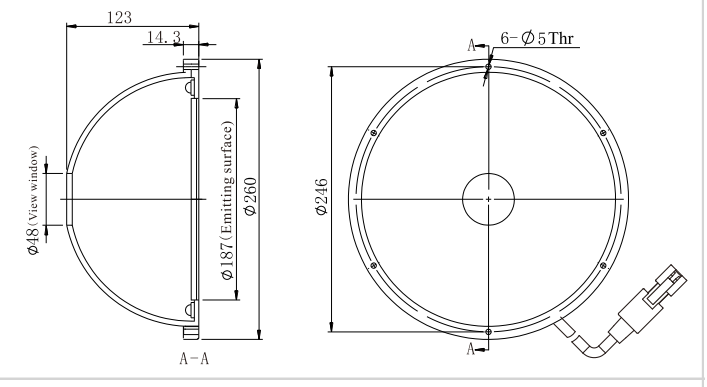
SBS-DL120-X



SBS-DL175-X



SBS-DL198-X

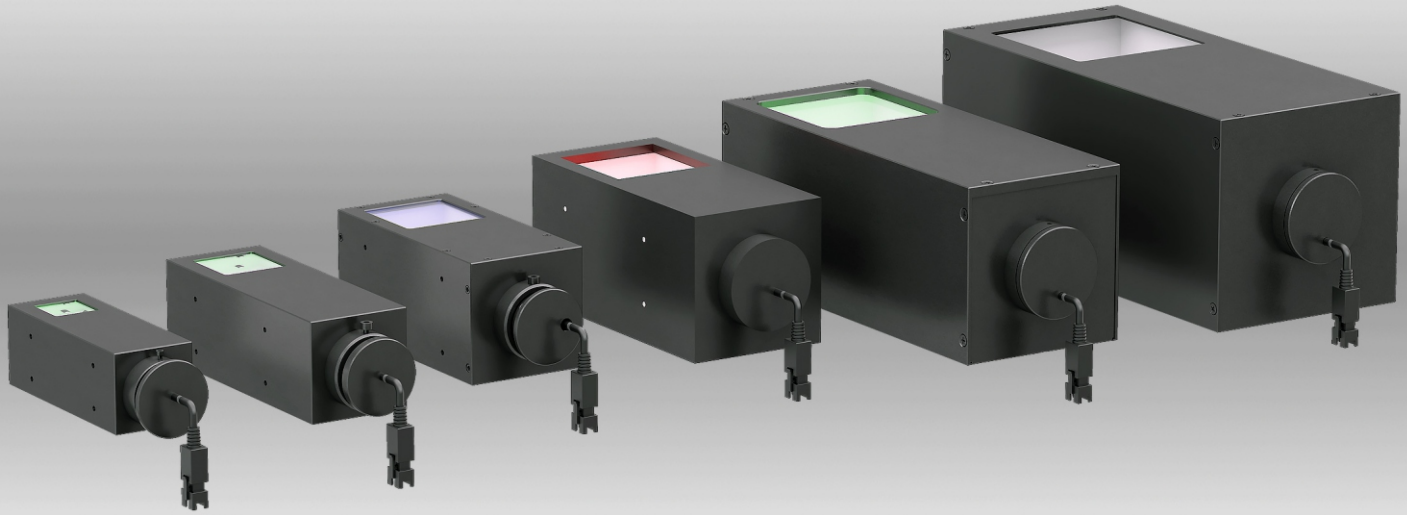


SBS-DL260-X

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SBS vision solution

Collimated Coaxial Lights SBS-CCL series



Products Features

- Using high power LEDs.
- Using special lens module to make light be parallel.
- Suitable for defects inspection of reflective surface and laser mark.

Applications the light be used for

- Stain,scratch, dirty inspection of CD, DVD and blu-ray discs.
- Scratch inspection of reflective surface.
- Tiny bubbles inspection of glass.
- Laser marked charaters inspection.
- Minor scratch inspection for Ipad, Ipod and Iphone.

Model Description

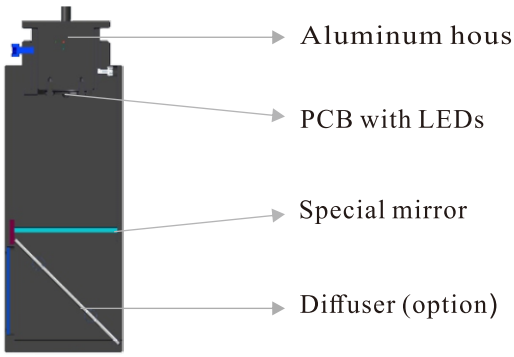
SBS-CCL-XXX-X

- Color
- Side length of emitting surface
- Collimated Coaxial Lights
- SBS Vision

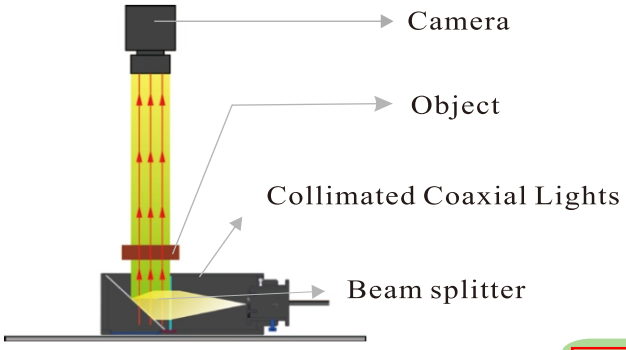
Customization

- Dimensions
- Color
- Connector
- Cable length
- Power
- Mounting

Structure



Components

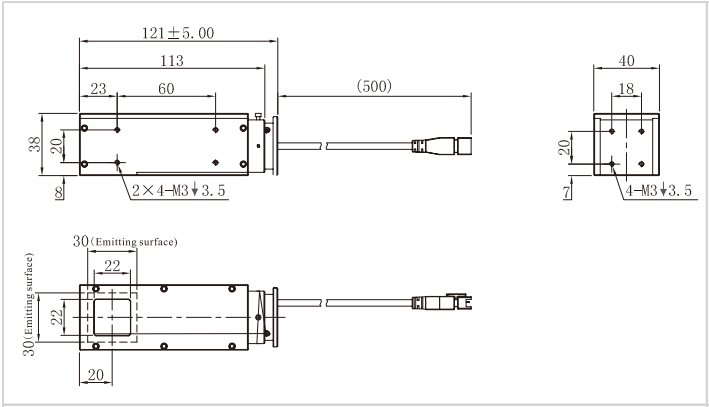


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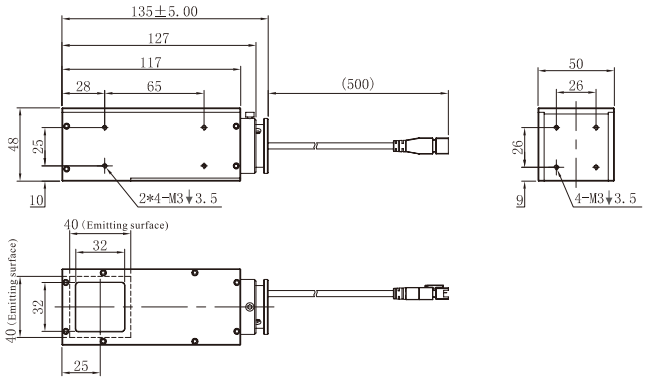
Parameter

Item	Model	Power consumption Red Color	Power consumption (W,B,G)	Option	Extension cable	Recommended Controller
1	SBS-CCL30	5V/1.4W	5V/2.1W	Diffuser	1m/3m/5m	SBS-AC24XX-X (Analog controller) SBS-DC24XX-X (Digital controller) SBS-ODC48XX-X (Strobe controller)
2	SBS-CCL40	5V/1.4W	5V/2.1W	Diffuser	1m/3m/5m	
3	SBS-CCL50	5V/1.4W	5V/2.1W	Diffuser	1m/3m/5m	
4	SBS-CCL60	5V/1.4W	5V/2.1W	Diffuser	1m/3m/5m	
5	SBS-CCL80	5V/2.0W	5V/3.0W	Diffuser	1m/3m/5m	
6	SBS-CCL100	5V/2.0W	5V/3.0W	Diffuser	1m/3m/5m	

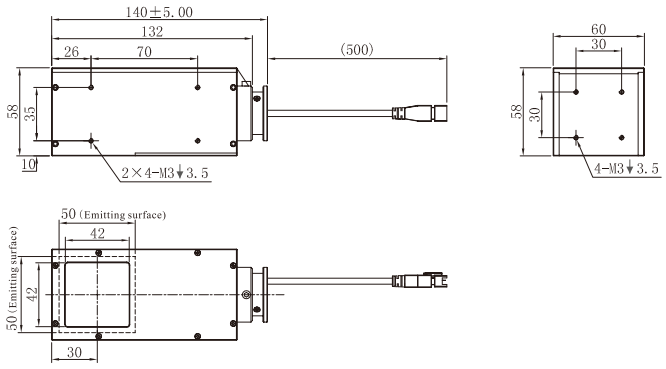
Dimensions(mm)



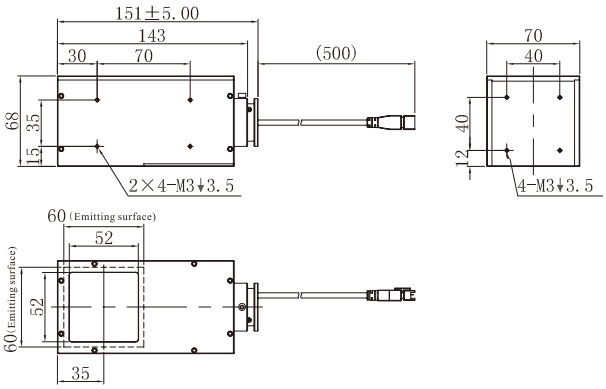
SBS-CCL30



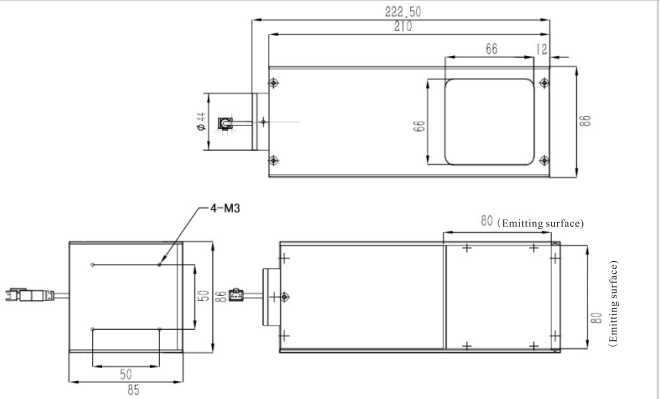
SBS-CCL40



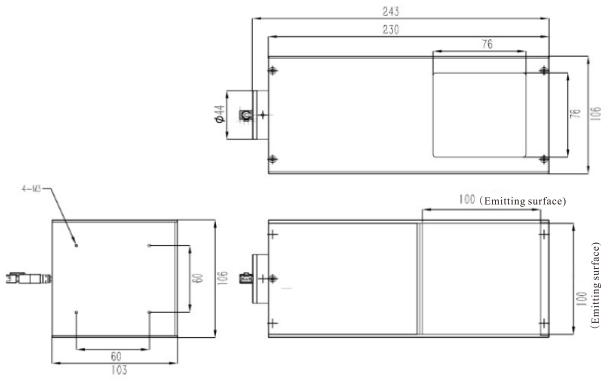
SBS-CCL50



SBS-CCL60



SBS-CCL80

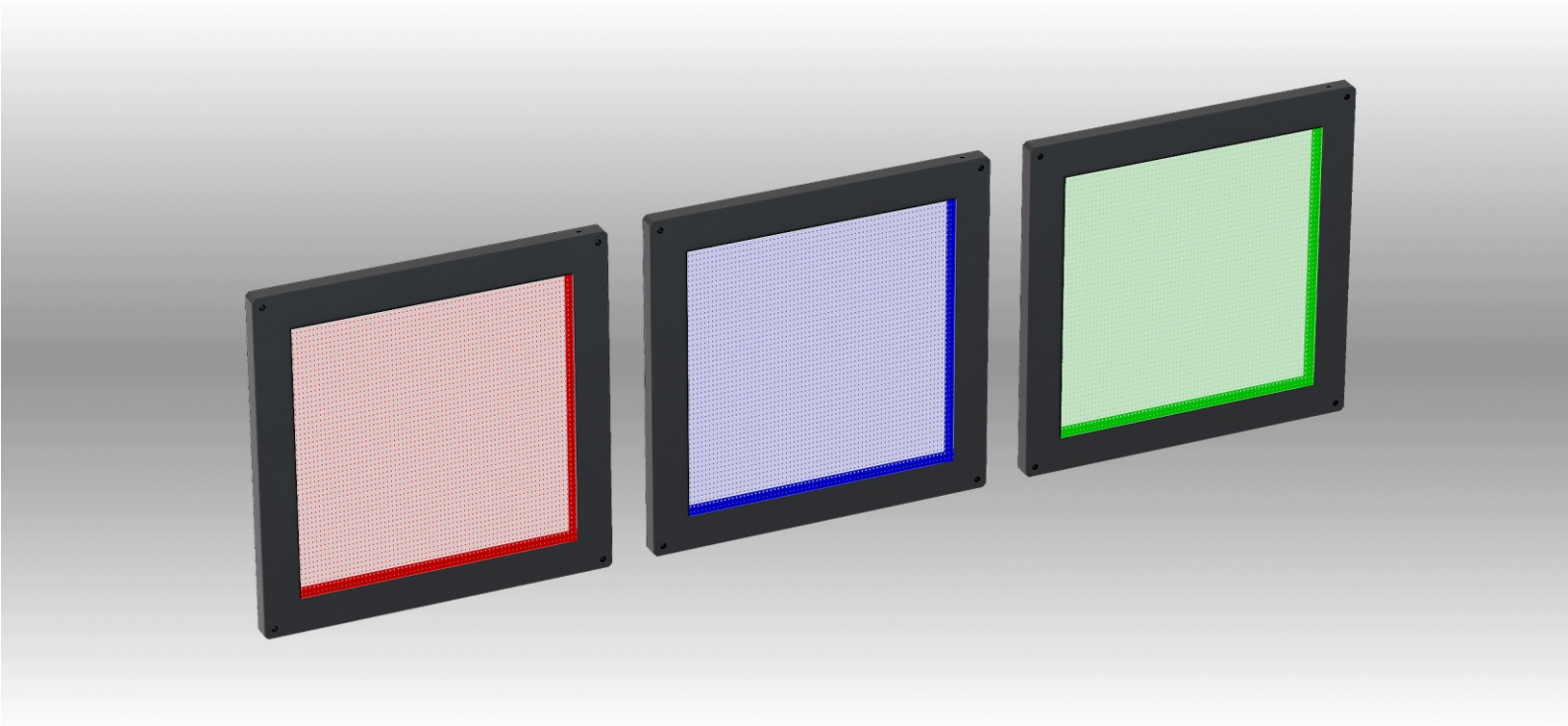


SBS-CCL100

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vision solution

Flat Dome Lights SBS-FDL series



Products Features

- Using special optical materials.
- Many patterns for choosing. (lattice, line, dot etc.)
- High uniformity and shawdowless.
- Emitting light can be coxial with camera.
- Having the merits of Coxial and Shadowless Lights.

Applications the light be used for

- Defects inspection of a little reflective metal.
- Charaters inspection of arc surface.
- Pin inspection of electronic components.
- Surface inspection of packing bag and film.

Customization

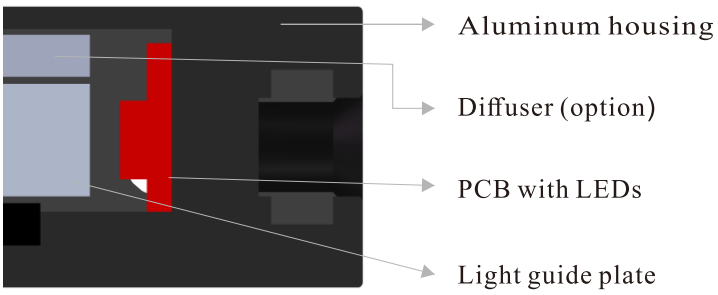
- Pattern
- Color
- Connector
- Cable length
- Power
- Mounting
- Dimensions

Model Description

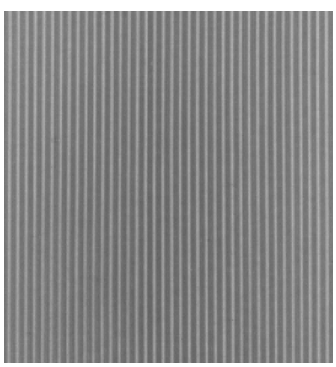
SBS-FDL-XXX-X-X

- Patterm
- Color
- Side length of emitting surface
- Flat Dome Lights
- SBS Vision

Structure



Line Pattern

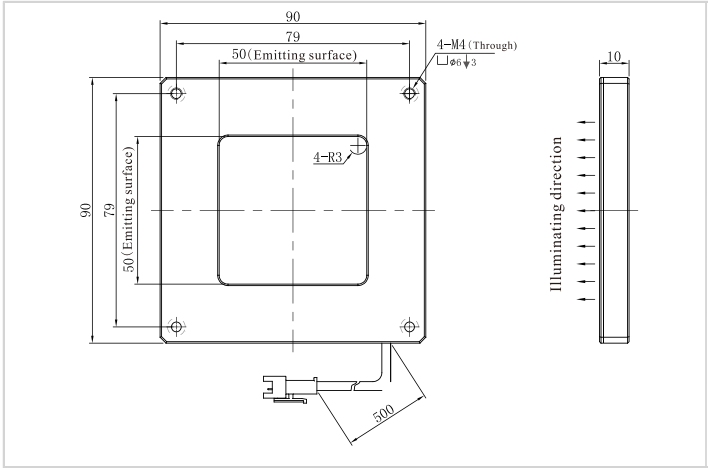


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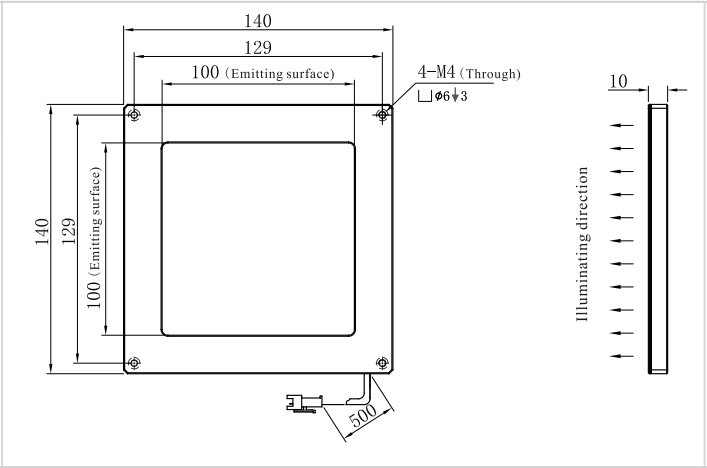
Parameter

Item	Model	Power consumption Red Color	Power consumption (W,B,G)	Option	Extension cable	Recommended Controller
1	SBS-FDL50	24V/0.9W	24V/1.5W	Diffuser	1m/3m/5m	SBS-AC24XX-X (Analog controller) SBS-DC24XX-X (Digital controller) SBS-ODC48XX-X (Strobe controller)
2	SBS-FDL100	24V/1.8W	24V/2.8W	Diffuser	1m/3m/5m	
3	SBS-FDL150	24V/2.7W	24V/4.3W	Diffuser	1m/3m/5m	

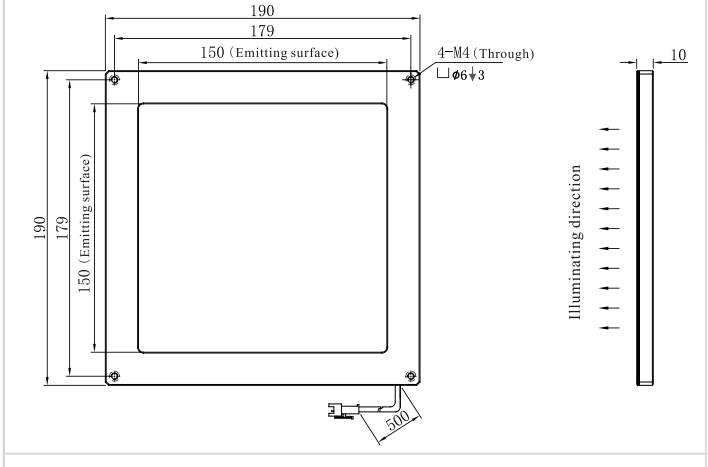
Dimensions(mm)



SBS-FDL50



SBS-FDL100

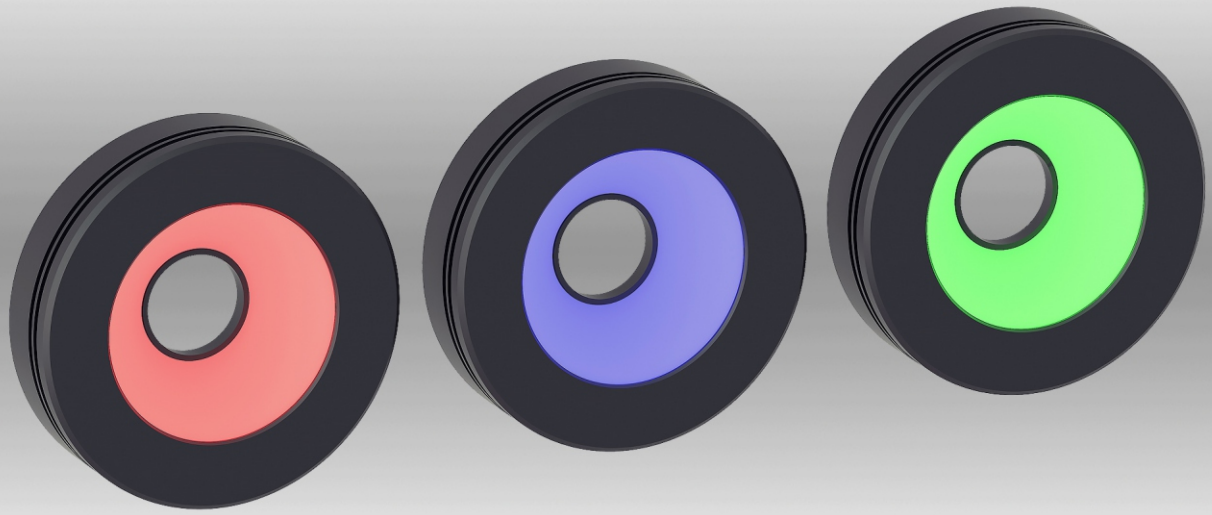


SBS-FDL150

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SBS
vision solution

Low Angle Ring Lights SBS-RLLA series



Products Features

- ▶ High power LEDs around the ring side.
- ▶ Verical uniform light.

Applications the light be used for

- ● Pills configuration defects inspection.
- ● QR code reading of metal surface.
- ● Surface defects inspection of metal parts.
- ● Charaters inspection of ceramic condenser.

Model Description

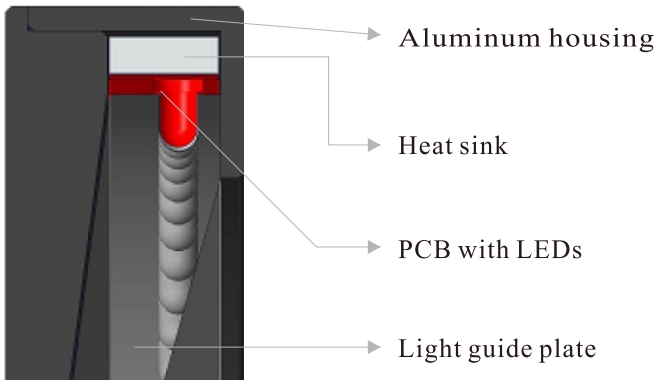
SBS-RLLA-XXXXX-X

- Color
- Inner diameter
- Outer diameter
- Low Angle Ring Lights
- SBS Vision

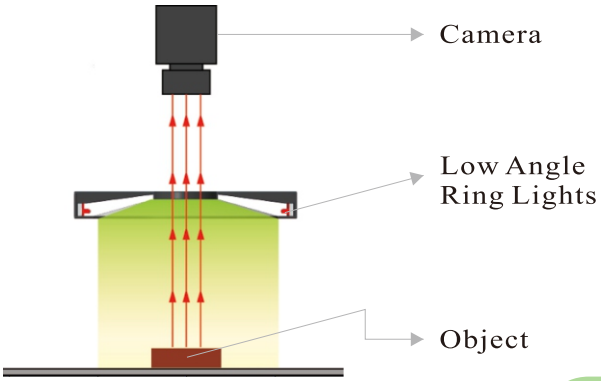
Customization

- ● Dimensions
- ● Power
- ● Color
- ● Cable length
- ● Connector
- ● Mounting

Structure



Components

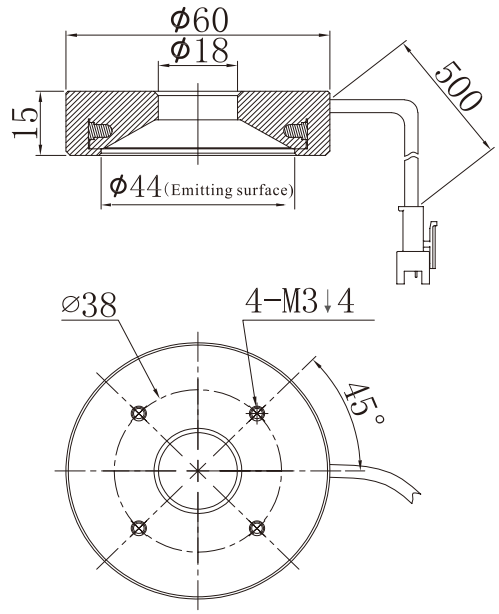


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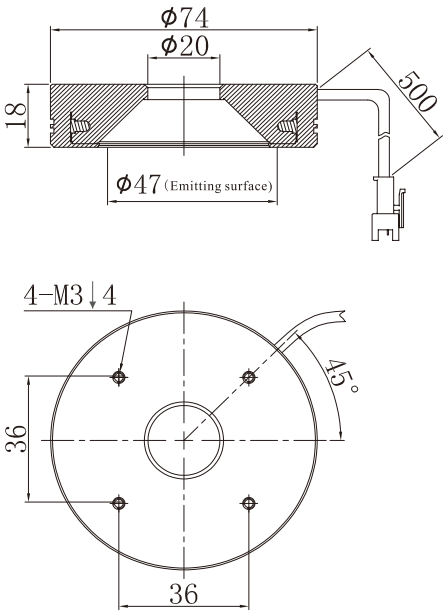
Parameter

Item	Model	Power consumption Red Color	Power consumption (W,B,G)	Option	Extension cable	Recommended Controller
1	SBS-RLLA6018	24V/1.3W	24V/2.2W	Diffuser	1m/3m/5m	SBS-AC24XX-X (Analog controller) SBS-DC24XX-X (Digital controller) SBS-ODC48XX-X (Strobe controller)
2	SBS-RLLA7420	24V/1.8W	24V/2.6W	Diffuser	1m/3m/5m	
3	SBS-RLLA11644	24V/2.6W	24V/4.3W	Diffuser	1m/3m/5m	
4	SBS-RLLA16044	24V/4.3W	24V/5.7W	Diffuser	1m/3m/5m	

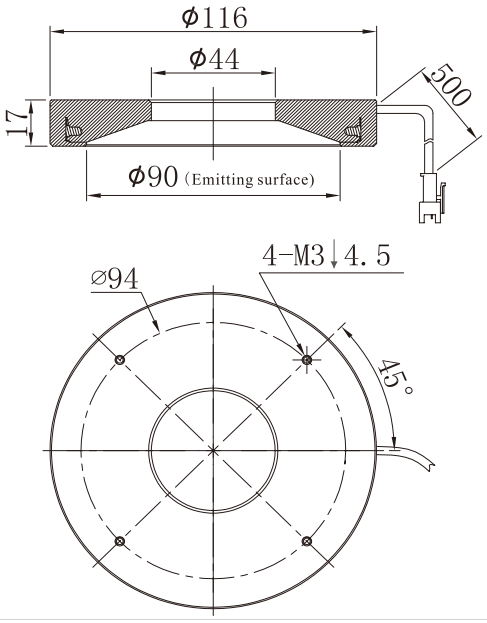
Dimensions(mm)



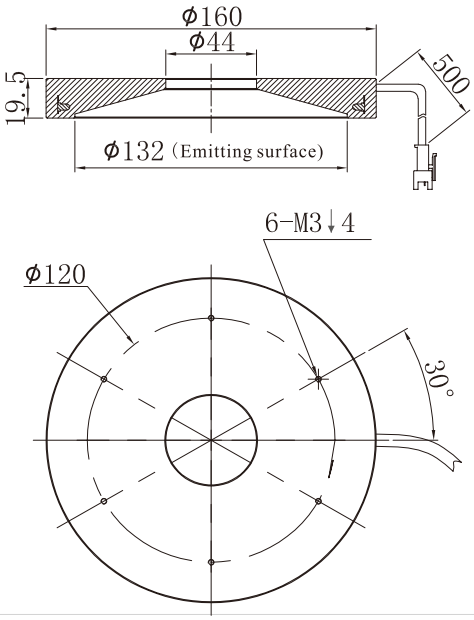
SBS-RLLA6018



SBS-RLLA7420



SBS-RLLA11644

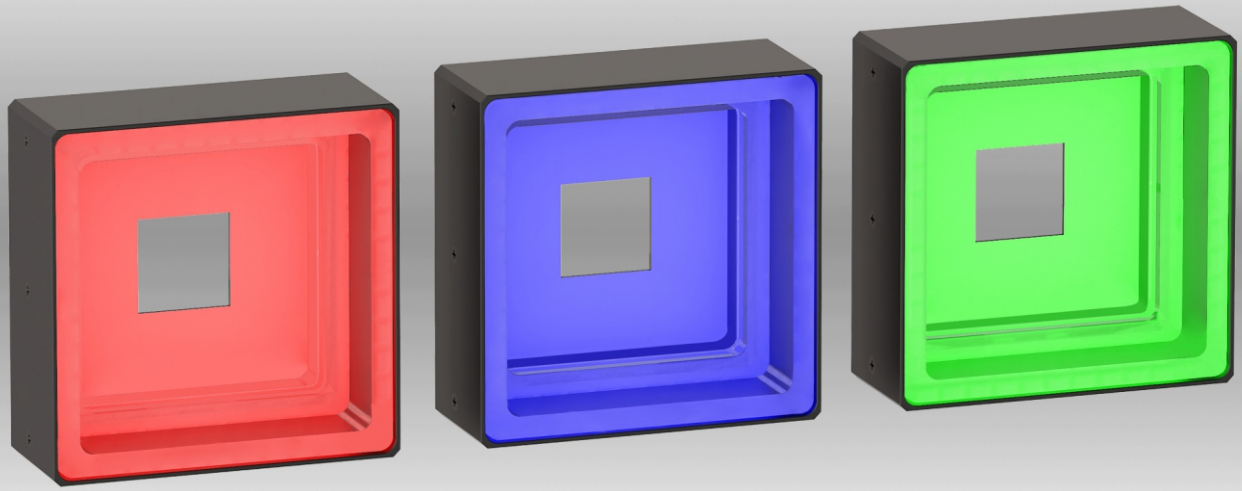


SBS-RLLA16044

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SBS
vision solution

Square Lights SBS-SQL series



Products Features

- ▶ Using special lighting guide way.
- ▶ Reducing the reflective lighting from object.
- ▶ High uniformity and stability.

Applications the light be used for

- ● Chamfer inspection of machining square parts.
- ● Characters inspection of smooth plastic surface.
- ● Laser mark inspection of metal surface.
- ● Pin's flatness inspection of IC.
- ● IC defects inspection of PCB board.

Model Description

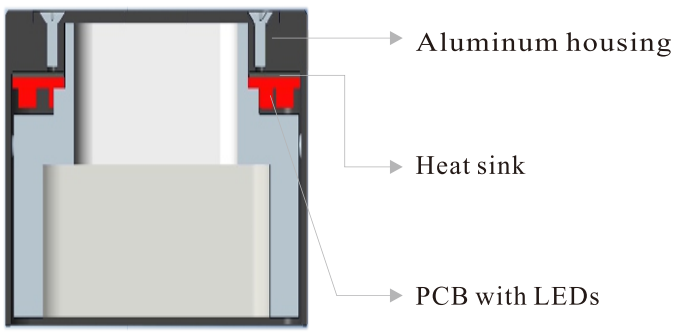
SBS-SQL-XXXXX-X

- Color
- Width
- Length
- Square Lights
- SBS Vision

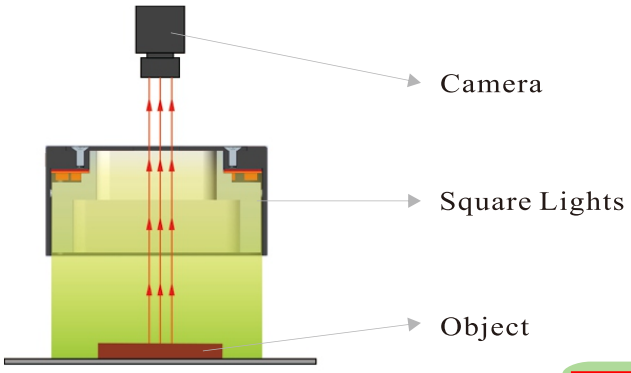
Customization

- ● Dimensions
- ● Power
- ● Color
- ● Cable length
- ● Connector
- ● Mounting

Structure



Components

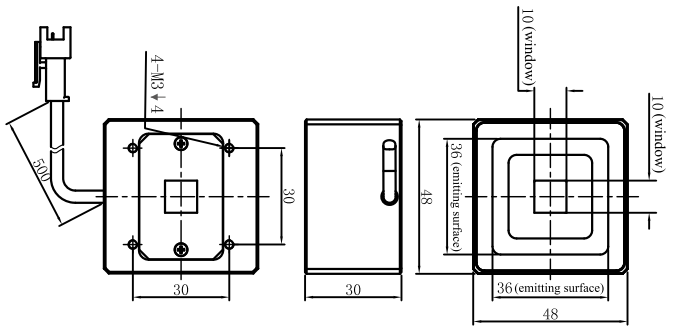


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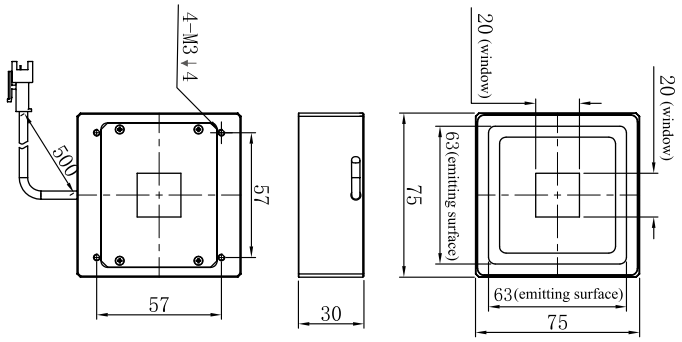
Parameter

Item	Model	Power consumption Red Color	Power consumption (W,B,G)	Option	Extension cable	Recommended Controller
1	SBS-SQL4848	24V/1.6W	24V/2.1W	Diffuser	1m/3m/5m	SBS-AC24XX-X (Analog controller) SBS-DC24XX-X (Digital controller) SBS-ODC48XX-X (Strobe controller)
2	SBS-SQL7575	24V/2.1W	24V/3.1W	Diffuser	1m/3m/5m	
3	SBS-SQL9696	24V/3.1W	24V/4.1W	Diffuser	1m/3m/5m	
4	SBS-SQL120120	24V/4.1W	24V/5.1W	Diffuser	1m/3m/5m	
5	SBS-SQL10844	24V/3.3W	24V/4.3W	Diffuser	1m/3m/5m	
6	SBS-SQL216136	24V/6.5W	24V/7.5W	Diffuser	1m/3m/5m	
7	SBS-SQL2-4848	24V/1.6W	24V/2.1W	Diffuser	1m/3m/5m	
8	SBS-SQL2-7575	24V/2.1W	24V/3.1W	Diffuser	1m/3m/5m	
9	SBS-SQL2-9696	24V/3.1W	24V/4.1W	Diffuser	1m/3m/5m	
10	SBS-SQL2-120120	24V/4.1W	24V/5.1W	Diffuser	1m/3m/5m	

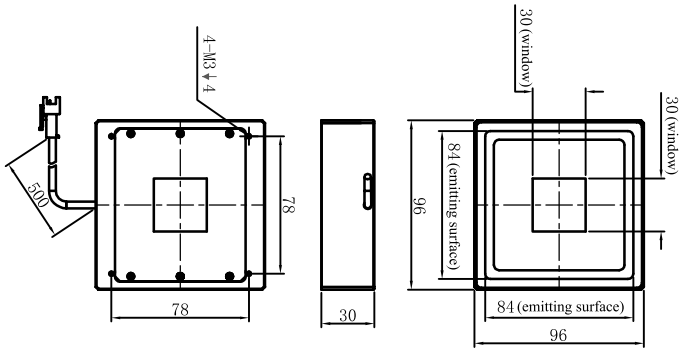
Dimensions(mm)



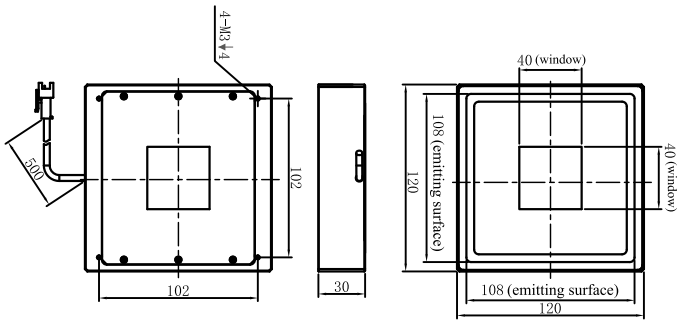
SBS-SQL4848



SBS-SQL7575



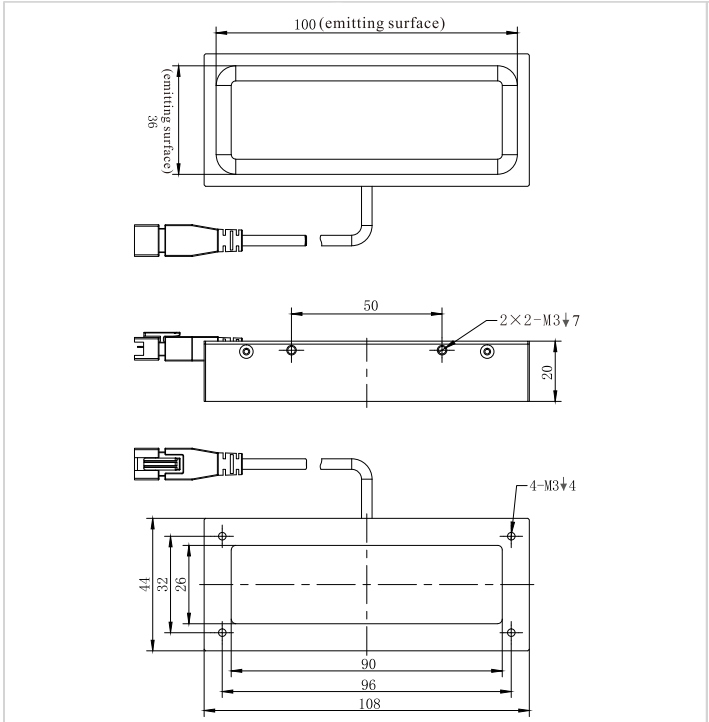
SBS-SQL9696



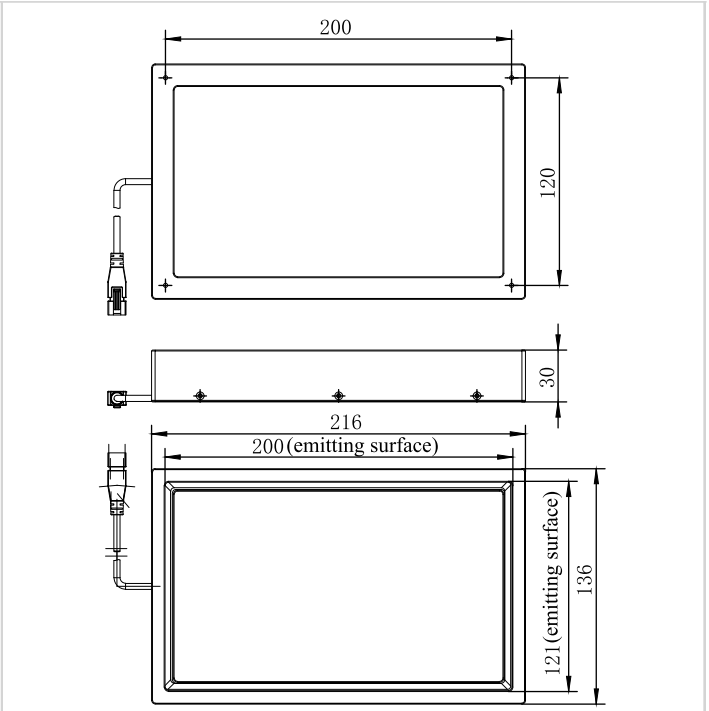
SBS-SQL120120

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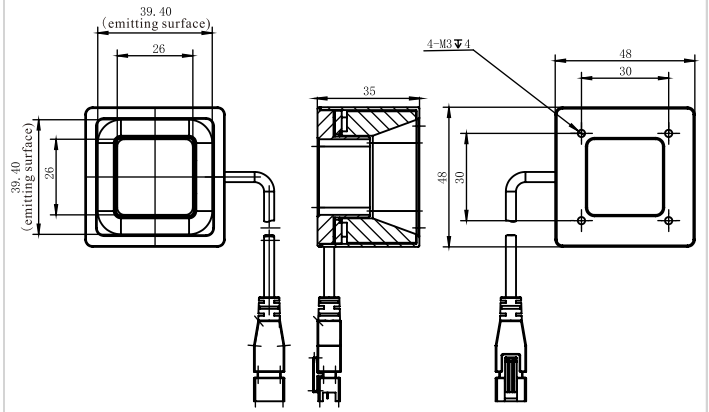
vision solution SBS-SQL series



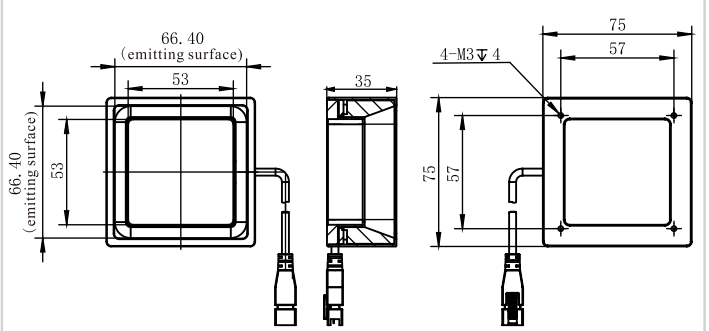
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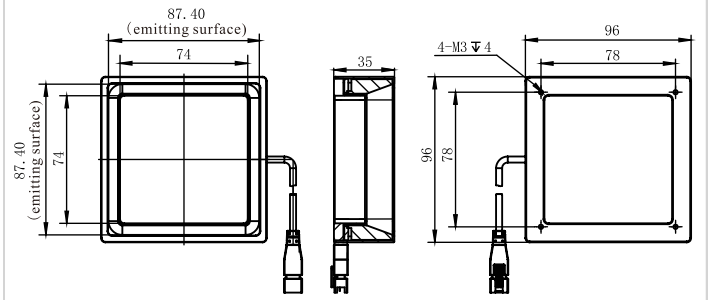
SBS-SQL216316



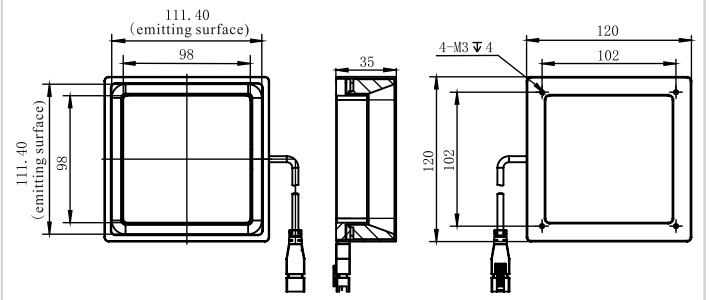
SBS-SQL2-4848



SBS-SQL2-7575



SBS-SQL2-9696

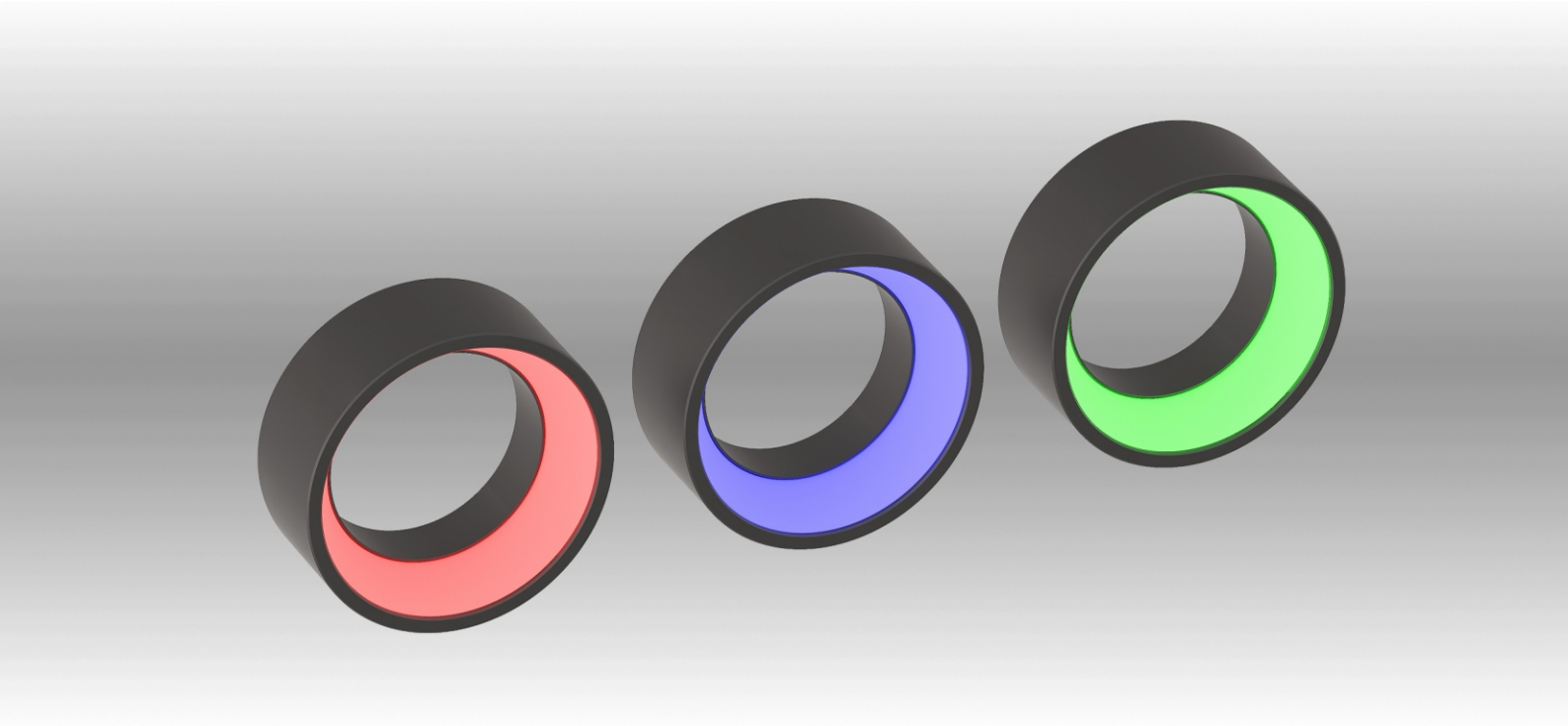


SBS-SQL2-120120

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SBS
vision solution

Uniformity Ring Lights SBS-RLU series



Products Features

- ▶ Using special lighting guide way.
- ▶ High uniformity.

Applications the light be used for

- ● Chamfer inspection of machining circular parts.
- ● Characters inspection of arc smooth surface.
- ● Printing labels inspection and package box defects inspection.
- ● Bottle mouth scratches inspection
- ● Coin defects inspection.

Model Description

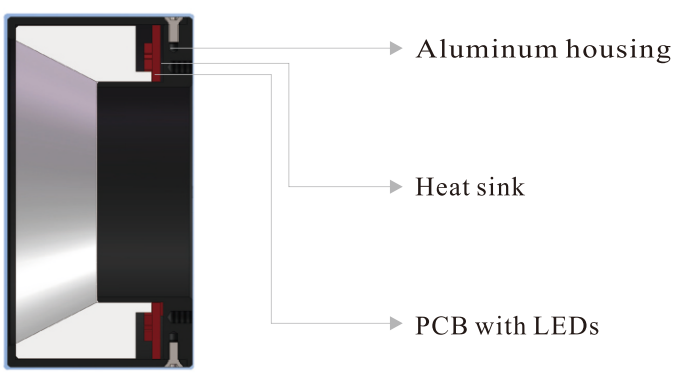
SBS-RLU-XXX-X

- SBS-RLU-XXX-X → Color
- SBS-RLU-XXX → Outer diameter
- SBS-RLU → Uniformity Ring Lights
- SBS → SBS Vision

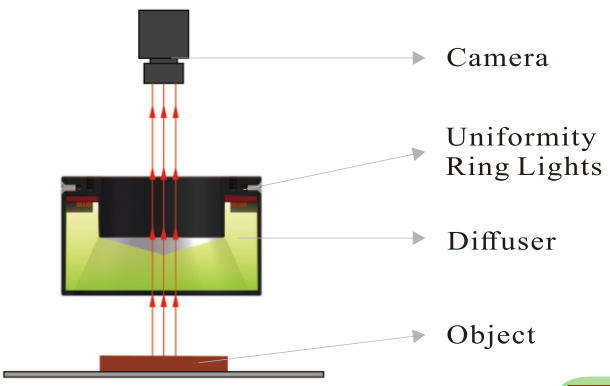
Customization

- ● Dimensions
- ● Power
- ● Color
- ● Cable length
- ● Connector
- ● Mounting

Structure



Components

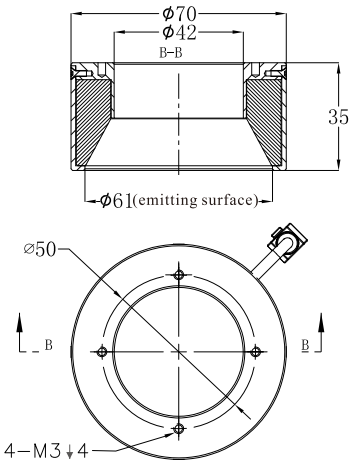


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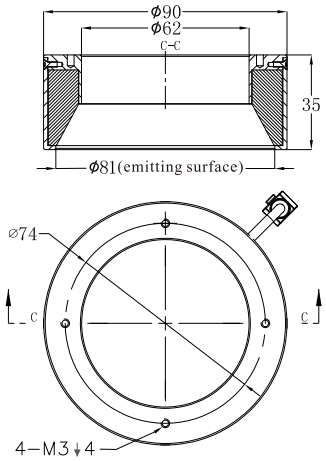
Parameter

Item	Model	Power consumpiton Red Color	Power consumpiton (W,B,G)	Option	Extension cable	Recommended Controller
1	SBS-RLU70	24V/5.0W	24V/7.0W	Diffuser	1m/3m/5m	SBS-AC24XX-X (Analog controller) SBS-DC24XX-X (Digital controller) SBS-ODC48XX-X (Strobe controller)
2	SBS-RLU90	24V/7.0W	24V/10.0W	Diffuser	1m/3m/5m	
3	SBS-RLU115	24V/7.7W	24V/11.0W	Diffuser	1m/3m/5m	
4	SBS-RLU140	24V/11.2W	24V/16.0W	Diffuser	1m/3m/5m	
5	SBS-RLU160	24V/15.4W	24V/22.0W	Diffuser	1m/3m/5m	
6	SBS-RLU210	24V/17.5W	24V/25.0W	Diffuser	1m/3m/5m	

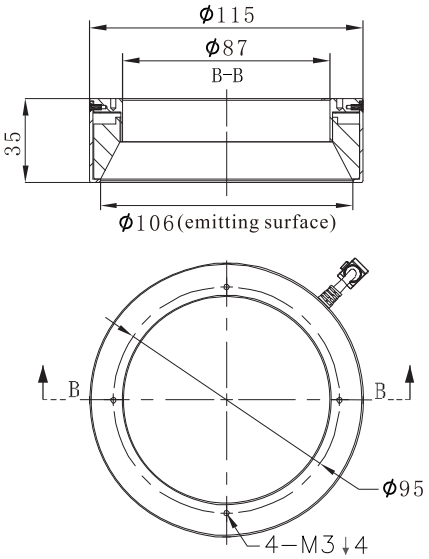
Dimensions(mm)



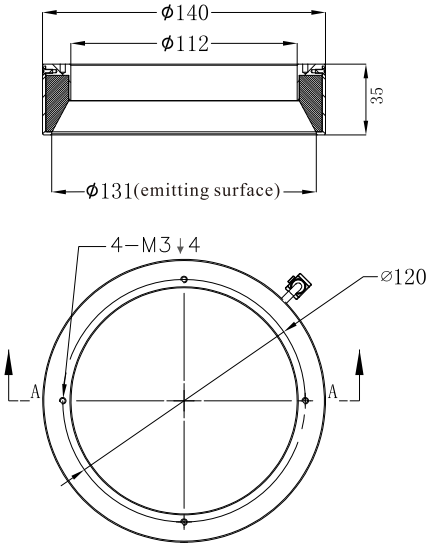
SBS-RLU70



SBS-RLU90



SBS-RLU115

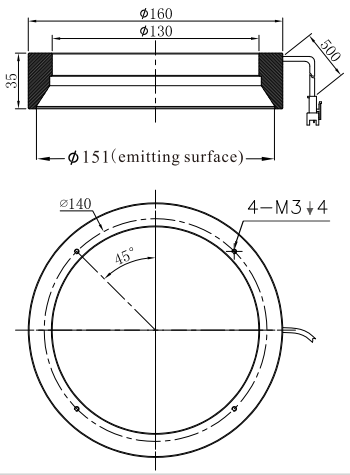
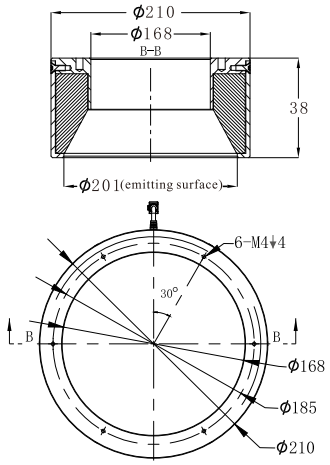


SBS-RLU140

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vision solution

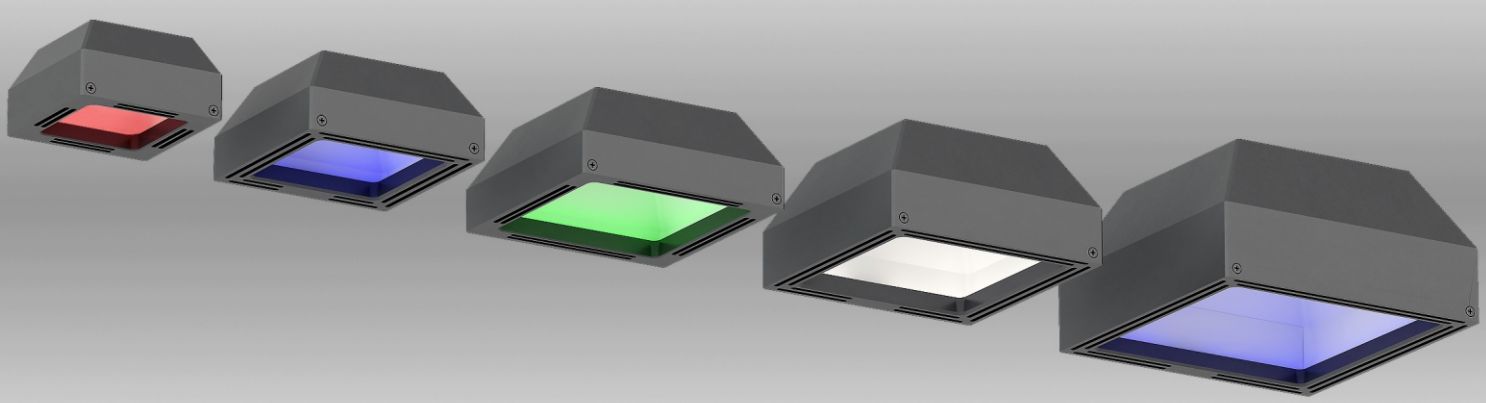
SBS-RLU series

	
SBS-RLU160	SBS-RLU210

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SBS
vision solution

Square Dome Lights SBS-SDL series



Products Features

- Compared with other Lights, it has a larger emitting surface under the same outline dimension.
- The light makes diffuse reflection on the stepped surface, than emitting on the surface of the object smoothly and uniformly.

Applications the light be used for

- Wires defects inspection.
- IC Pin's flatness inspection.
- Bottle mouth scratches inspection
- Character defects inspection.
- Chamfer inspection of square machining parts.

Customization

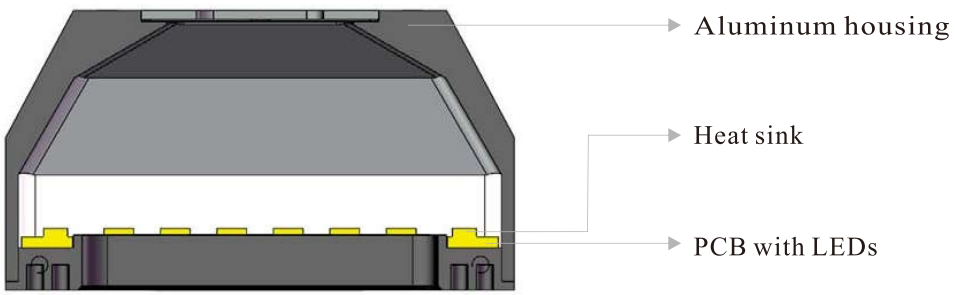
- Dimensions
- Power
- Color
- Cable length
- Connector
- Mounting

Model Description

SBS-SDL-XXX-X

- SBS-SDL-XXX-X → Color
- SBS-SDL-XXX → Side Length
- SBS-SDL → Square Dome Lights
- SBS → SBS Vision

Structure

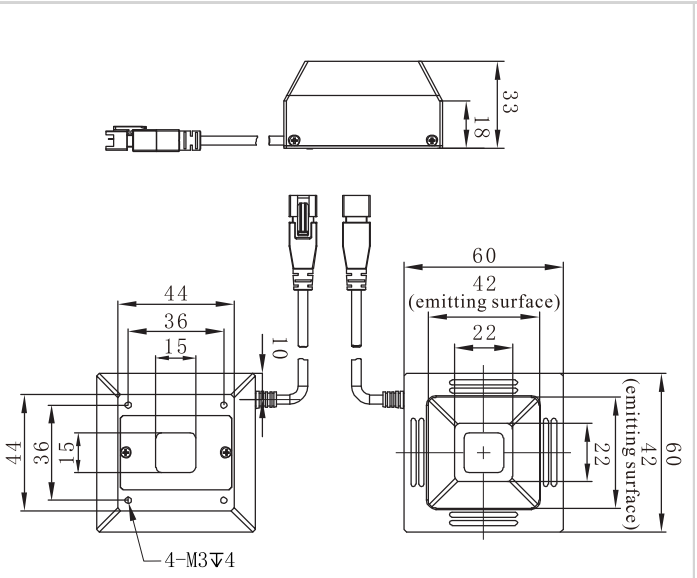


Back to P1

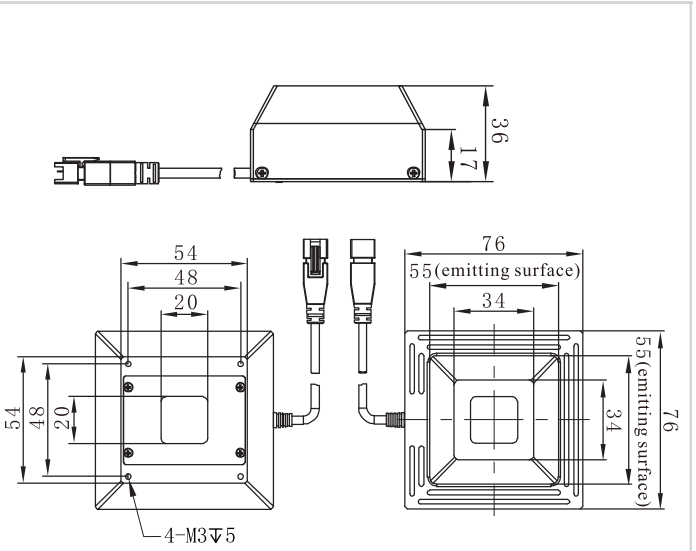
Parameter

Item	Model	Power consumpiton Red Color	Power consumpiton (W,B,G)	Option	Extension cable	Recommended Controller
1	SBS-SDL60	24V/4.5W	24V/5.8W	Diffuser	1m/3m/5m	SBS-AC24XX-X (Analog controller) SBS-DC24XX-X (Digital controller) SBS-ODC48XX-X (Strobe controller)
2	SBS-SDL76	24V/5.5W	24V/7.2W	Diffuser	1m/3m/5m	
3	SBS-SDL97	24V/6.3W	24V/8.2W	Diffuser	1m/3m/5m	
4	SBS-SDL121	24V/8.5W	24V/11.0W	Diffuser	1m/3m/5m	

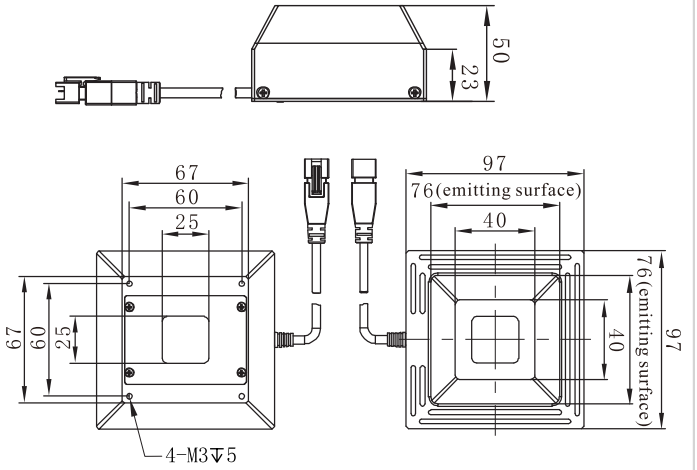
Dimensions(mm)



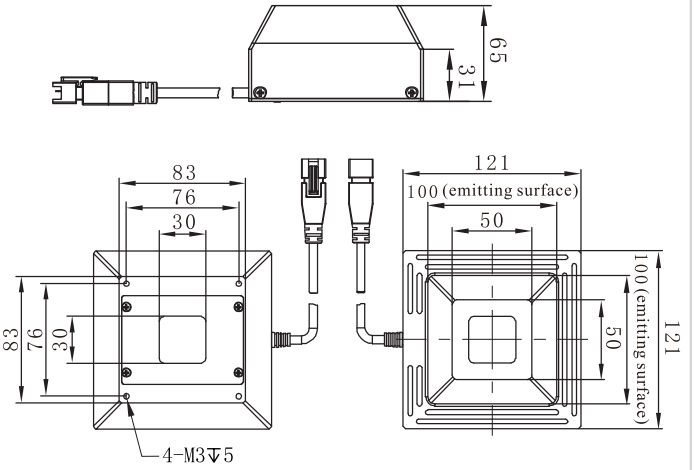
SBS-SDL60



SBS-SDL76



SBS-SDL97

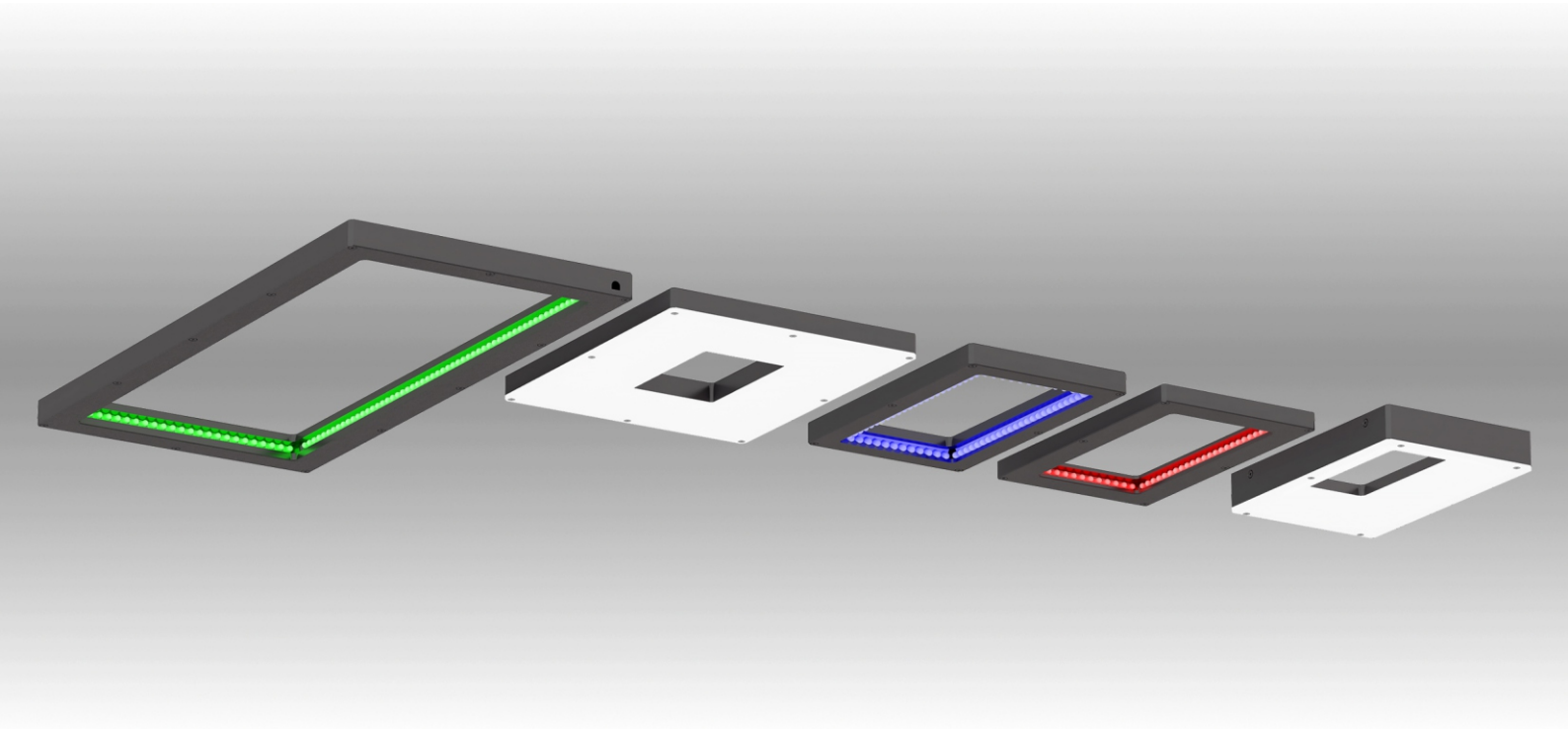


SBS-SDL121

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vision solution

Angle Square Lights SBS-ASL series



Products Features

- Different illuminating angles, different colors combination, shadowless.
- With diffuser, higher uniformity.
- Compact.

Applications the light be used for

- Semiconductors defects inspection like IC.
- PCB defects inspection.
- Package, surface inspection.
- Label inspection.

Model Description

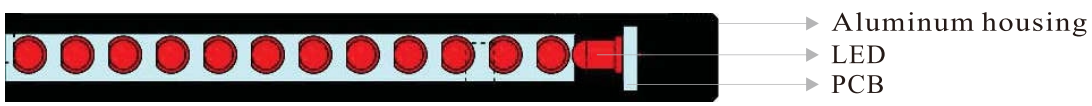
SBS-ASL-XXXXXAXX-X

- Color
- Angle
- Width
- Length
- Angle Square Lights
- SBS Vision

Customization

- Dimensions
- Power
- Color
- Cable length
- Connector
- Mounting

Structure

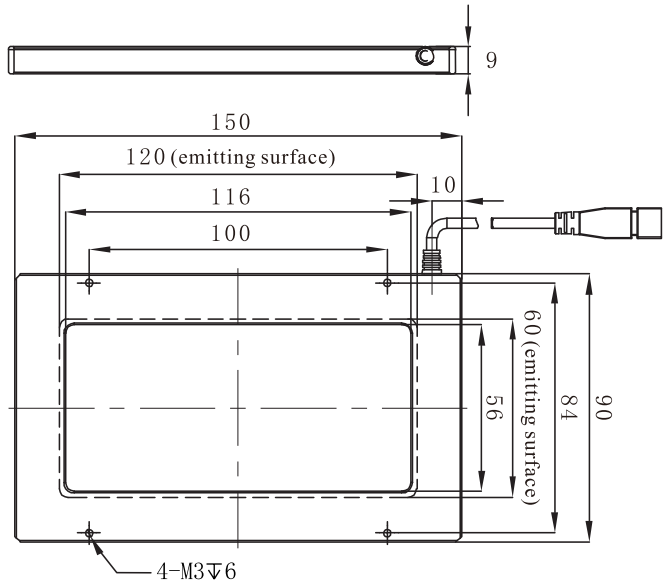


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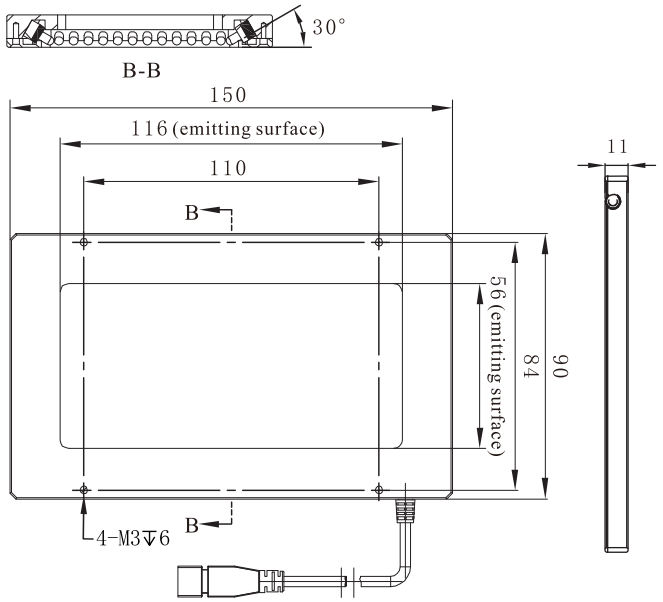
Parameter

Item	Model	Power consumpiton Red Color	Power consumpiton (W,B,G)	Option	Extension cable	Recommended Controller
1	SBS-ASL15090A00	24V/1.7W	24V/2.3W	Diffuser	1m/3m/5m	SBS-AC24XX-X (Analog controller) SBS-DC24XX-X (Digital controller) SBS-ODC48XX-X (Strobe controller)
2	SBS-ASL15090A30	24V/1.7W	24V/2.3W	Diffuser	1m/3m/5m	
3	SBS-ASL13888A60	24V/5.4W	24V/8.4W	Diffuser	1m/3m/5m	
4	SBS-ASL160135A90	24V/13.6W	24V/17.2W	Diffuser	1m/3m/5m	

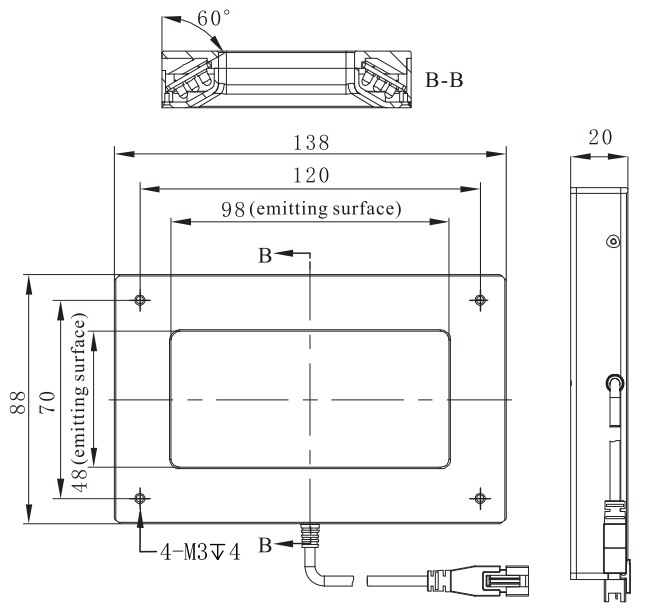
Dimensions(mm)



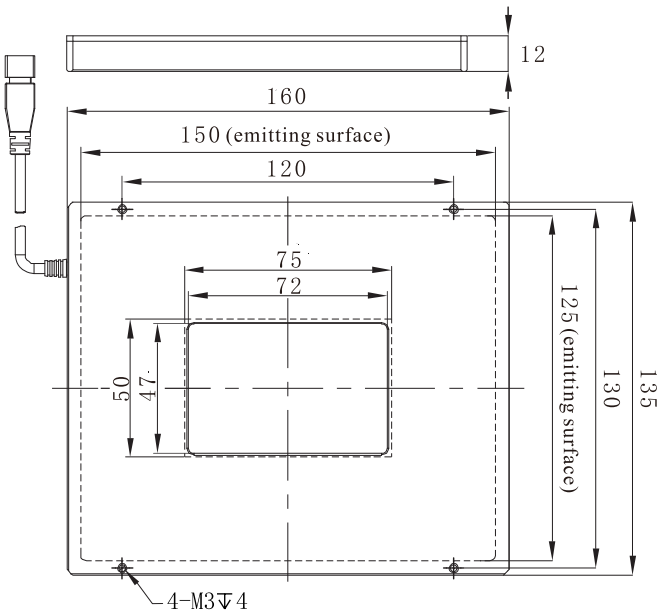
SBS-ASL15090A00



SBS-ASL15090A30



SBS-ASL13888A60



SBS-ASL160135A90

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vision solution

Spot Lights SBS-SPL series



Products Features

- ▶ Using special optical lens design to increase the intensity.
- ▶ Compatible with telecentric lens to get good image result.

Applications the light be used for

- ● IC character inspection.
- ● Mark points positioning.
- ● LED wafer inspection machine.

Model Description

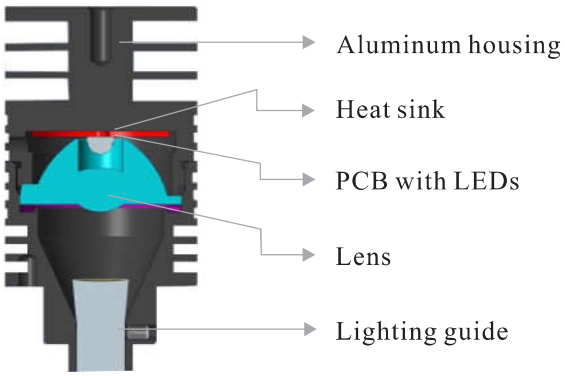
SBS-SPL-XXXX-X

- SBS-SPL-XXXX-X → Color
- SBS-SPL-XXXX-X → Power
- SBS-SPL-XXXX-X → Input voltage
- SBS-SPL-XXXX-X → Spot Lights
- SBS-SPL-XXXX-X → SBS Vision

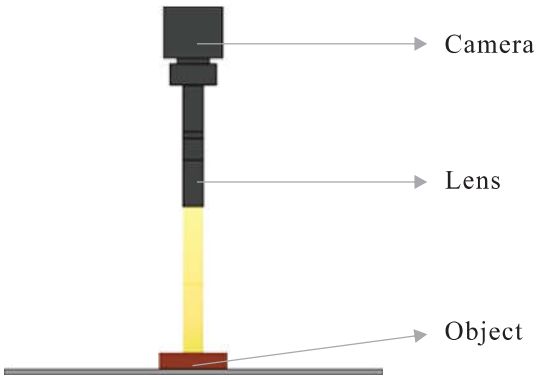
Customization

● Dimensions ● Color ● Power ● Mounting
● Cable length

Structure



Components

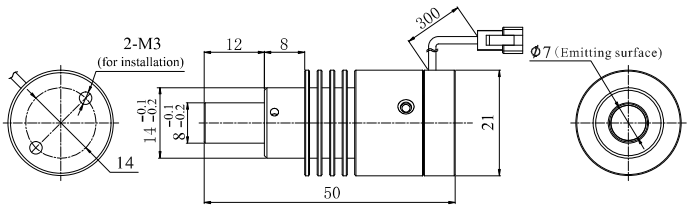


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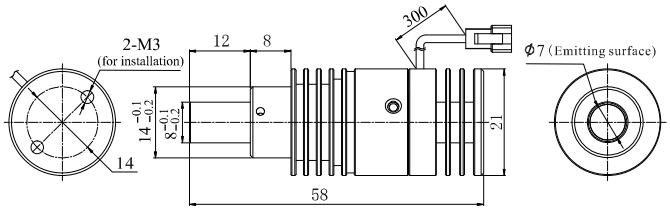
Parameter

Item	Model	Power consumption Red Color	Power consumption (W,B,G)	Option	Extension cable	Recommended Controller
1	SBS-SPL0501	5V/1.0W	5V/1.0W	Diffuser	1m/3m/5m	SBS-AC5 (Analog Controller) SBS-DC5 (Digital Controller)
2	SBS-SPL0503	5V/3.0W	5V/3.0W	Diffuser	1m/3m/5m	

Dimensions(mm)



SBS-SPL0501

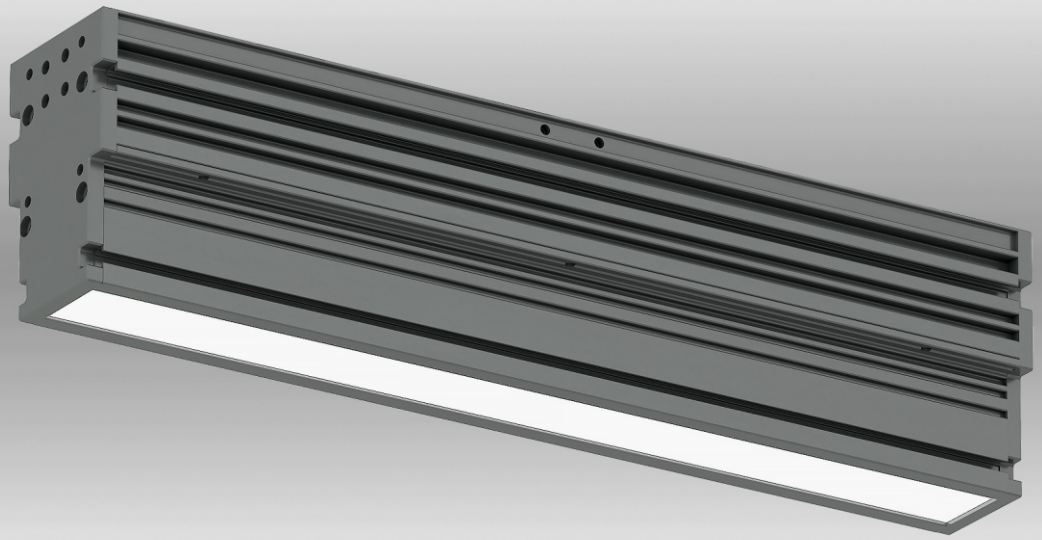


SBS-SPL0503

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vision solution

Line Scan Lights SBS-LSL series



Products Features

- Special optical structure design.
- Natural cooling
- The focused light bring good image result of line scan application.

Applications the light be used for

- Printing material defects inspection.
- LCD surface defects inspection.
- PCB solder joint and defects inspection.
- Lithium battery surface defects inspection .
- Box selection in the logistic industry.

Model Description

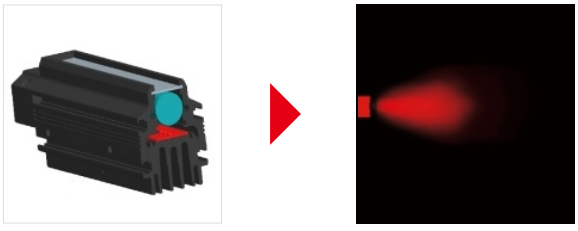
SBS-LSL-XXX-X

- SBS Vision
- Line Scan Lights
- Emitting surface length
- Color

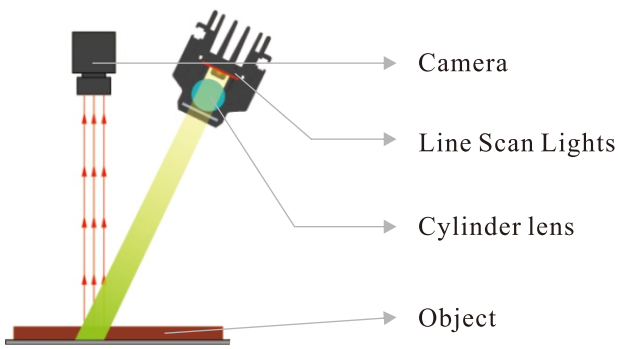
Customization

- Length
- Mounting
- Cable length
- Power
- Color

Standard Line Scan Lights Illumination



Components

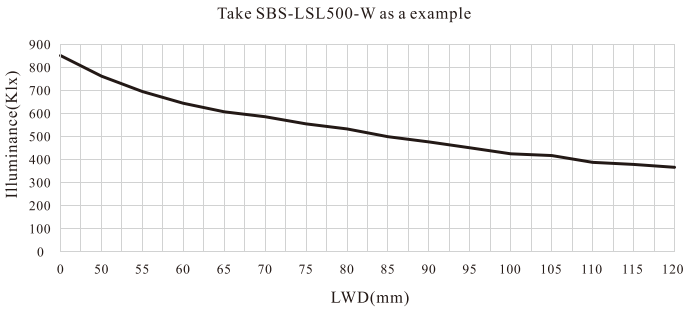


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Parameter

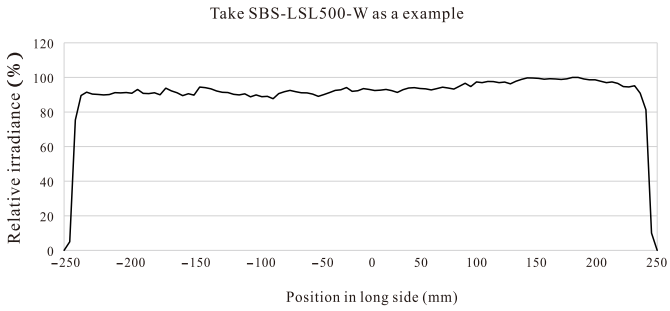
Item	Model	Power consumpiton White Color	LWD (mm)	Emitting surface (mm)	Dimension（L*W*H) (mm)	Recommended Controller
1	SBS-LSL100	48V/14.5W	50~120	100*25	120*50*65	SBS-DCHP48-X
2	SBS-LSL200	48V/27.5W	50~120	200*25	220*50*65	
3	SBS-LSL300	48V/37.5W	50~120	300*25	320*50*65	
4	SBS-LSL400	48V/48.0W	50~120	400*25	420*50*65	
5	SBS-LSL500	48V/58.5W	50~120	500*25	520*50*65	
6	SBS-LSL600	48V/69.0W	50~120	600*25	620*50*65	
7	SBS-LSL700	48V/77.5W	50~120	700*25	720*50*65	
8	SBS-LSL800	48V/86.0W	50~120	800*25	820*50*65	
9	SBS-LSL900	48V/94.5W	50~120	900*25	920*50*65	
10	SBS-LSL1000	48V/103.0W	50~120	1000*25	1020*50*65	
11	SBS-LSL1100	48V/111.5W	50~120	1100*25	1120*50*65	
12	SBS-LSL1200	48V/119.5W	50~120	1200*25	1220*50*65	

LWD VS Illuminance



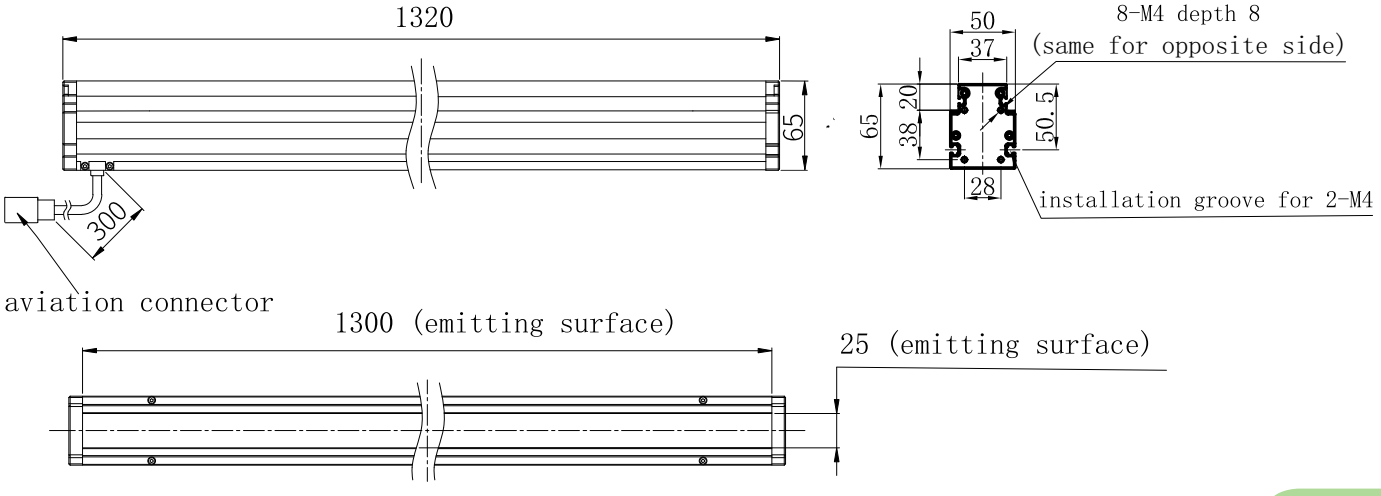
Measure value at 100% intensity in each LWD, results may vary.

Uniformity



Measure value at 100% intensity in the LWD of 100mm, results may vary.

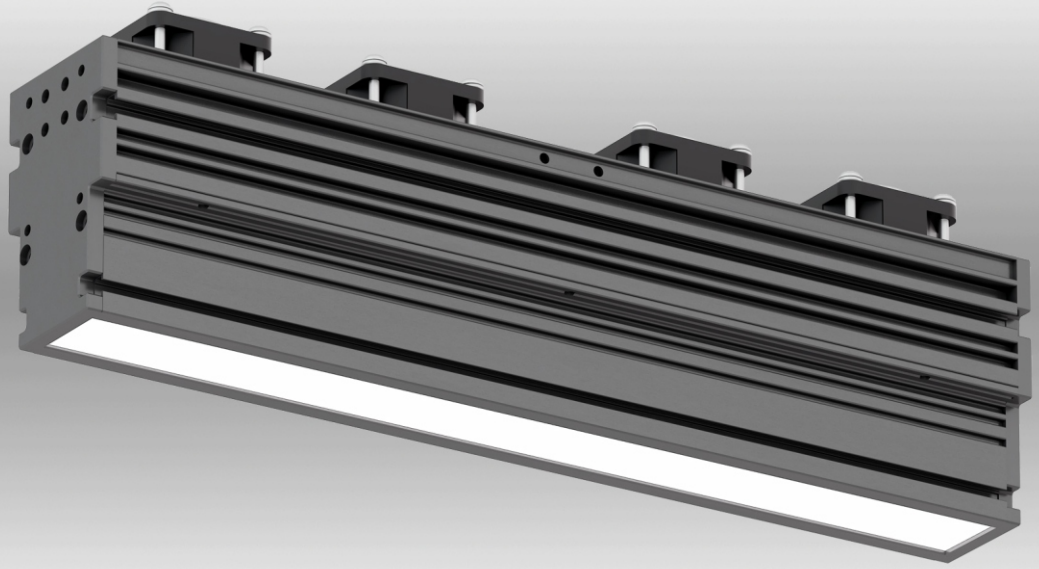
Dimensions(mm)



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SBS vision solution

High Illuminance Line Scan Lights SBS-LSLHI series



Products Features

- ▶ Using high power LEDs.
- ▶ LWD can be 50~200mm.
- ▶ Illuminance can be three million lux.

Applications the light be used for

- ● Printing material defects inspection.
- ● LCD surface defects inspection.
- ● PCB solder joint and defects inspection.
- ● Parts at the bottom of the car defects inspection.

Model Description

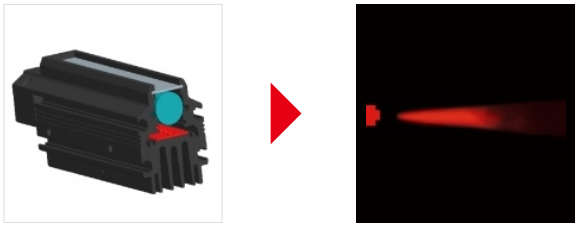
SBS-LSLHI-XXX-X

- SBS-LSLHI-XXX-X → Color
- SBS-LSLHI-XXX-X → Emitting surface length
- SBS-LSLHI → High Illuminance Line Scan Lights
- SBS → SBS Vision

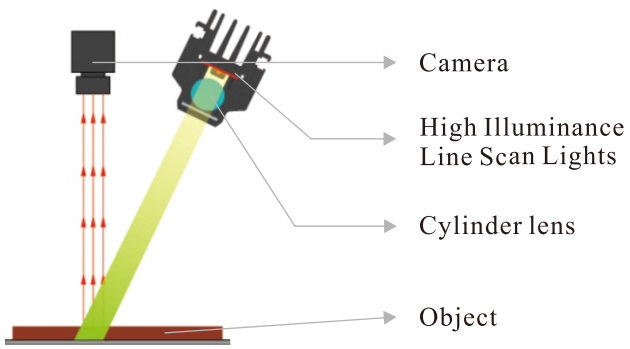
Customization

- ● Length
- ● Mounting
- ● Cable length
- ● Power
- ● Color

Standard Line Scan Lights Illumination



Components

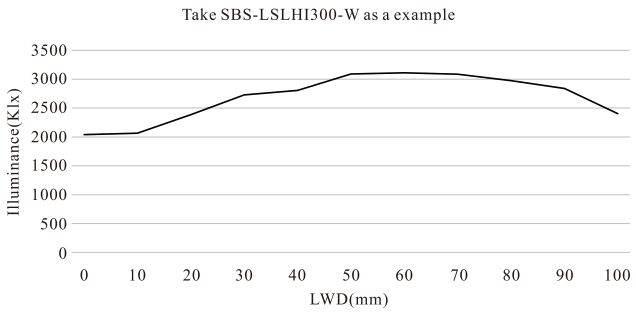


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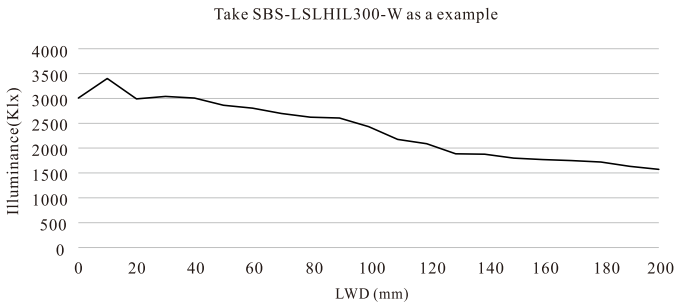
Parameter

Item	Model	Power consumpiton White Color	WD (mm)	Emitting surface (mm)	Dimension（L*W*H) (mm)	Recommended Controller
1	SBS-LSLHI300	48V/110.2W	50~100	300*25	310*50*88	SBS-DCHP48-X
2	SBS-LSLHIL300	48V/110.2W	100~200	300*25	310*50*88	

LWD VS Illuminance

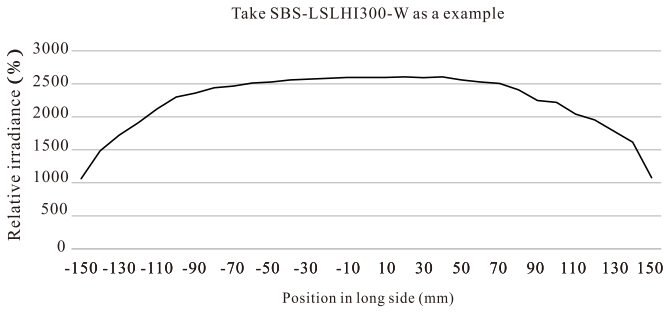


Measure value at 100% intensity in each LWD, results may vary.

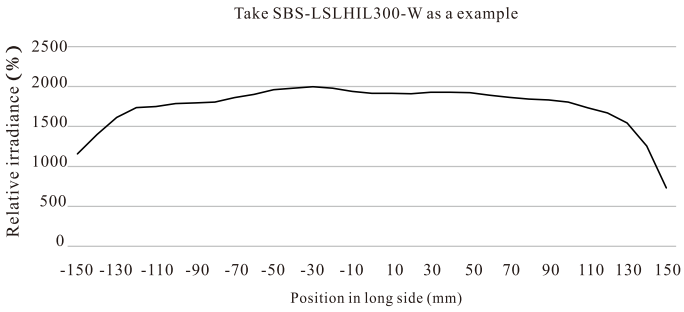


Measure value at 100% intensity in each LWD, results may vary.

Uniformity

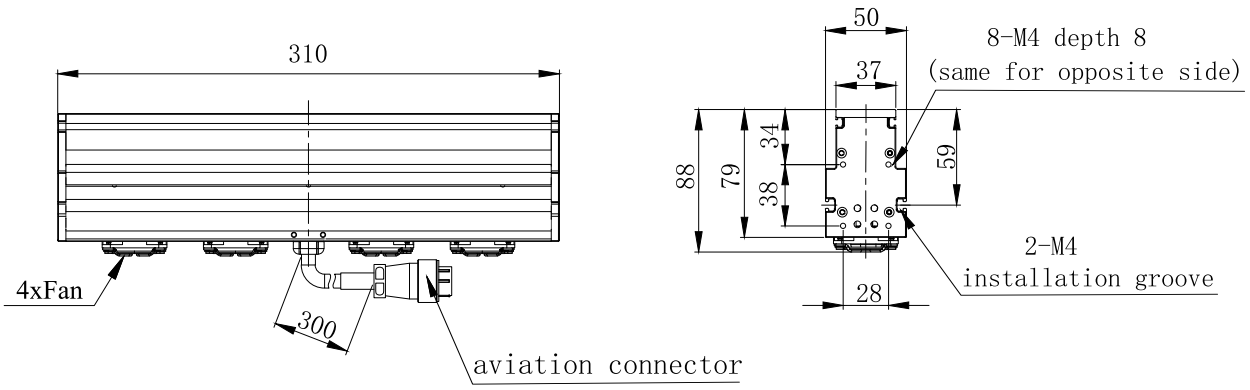


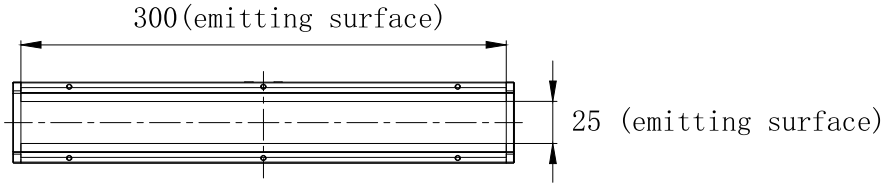
Measure value at 100% intensity in the LWD of 100mm, results may vary.



Measure value at 100% intensity in the LWD of 100mm, results may vary.

Dimensions(mm)

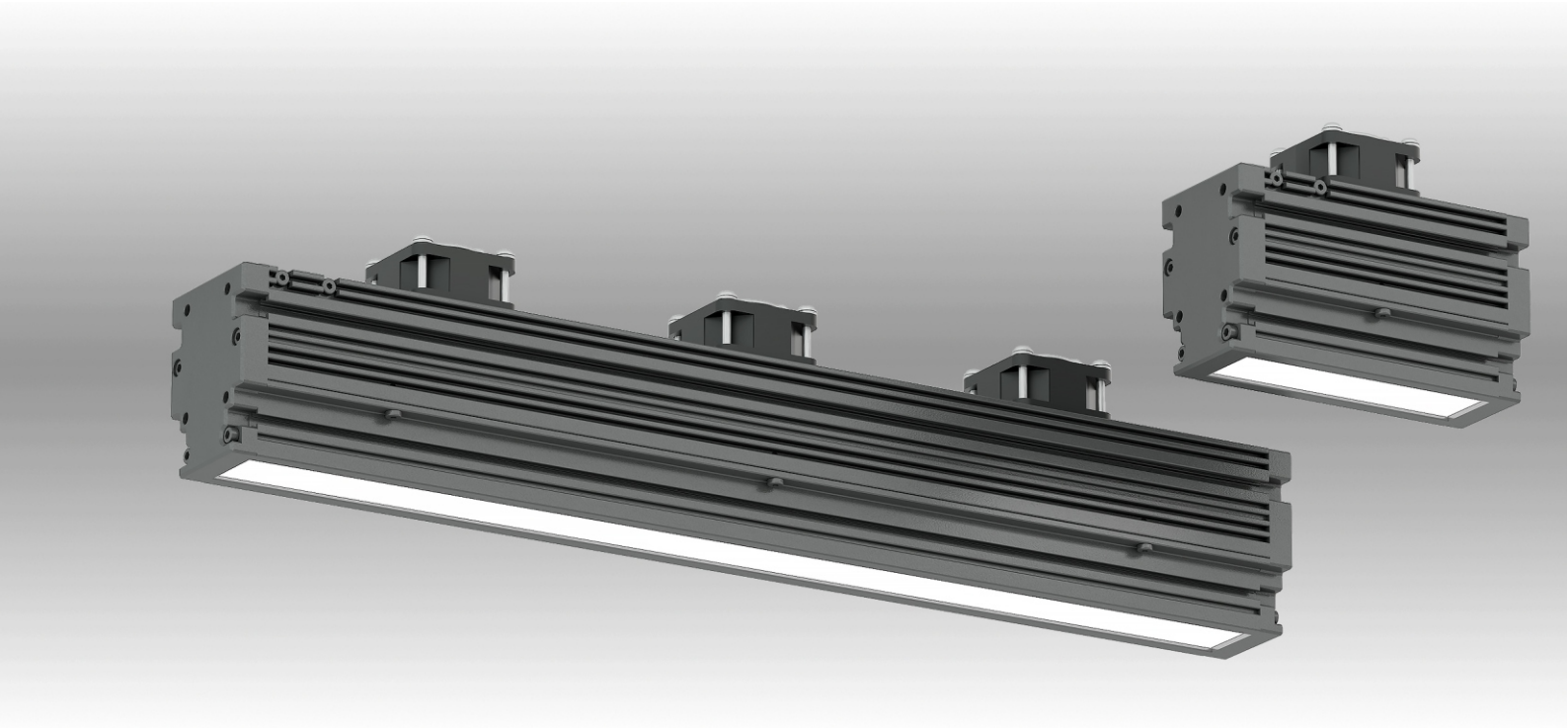




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vision solution

Oblique Line Line Scan Lights SBS-LSLX series



Products Features

- ▶ Special optical structure design.
- ▶ Oblique line illuminating.
- ▶ Can get ideal image results for the various scratches inspection application.

Applications the light be used for

- ● Film scratches inspection.
- ● Glass panel surface defects inspection.

Customization

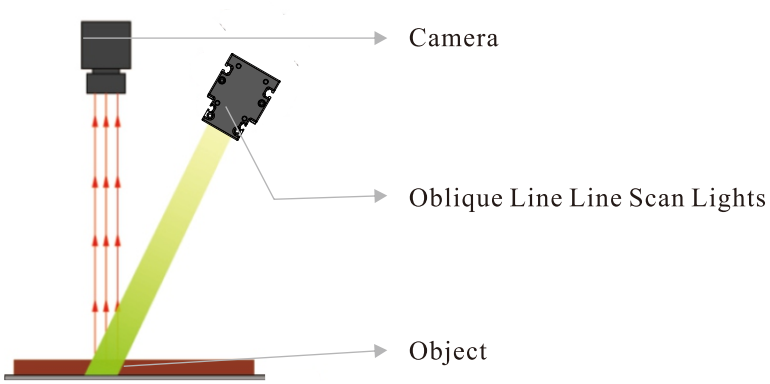
- ● Length
- ● Mounting
- ● Cable length
- ● Power
- ● Color

Model Description

SBS-LSLX-XXX-X

- SBS-LSLX-XXX-X → Color
- SBS-LSLX-XXX-X → Emitting surface length
- SBS-LSLX-XXX-X → Oblique Line Line Scan Lights
- SBS-LSLX-XXX-X → SBS Vision

Components

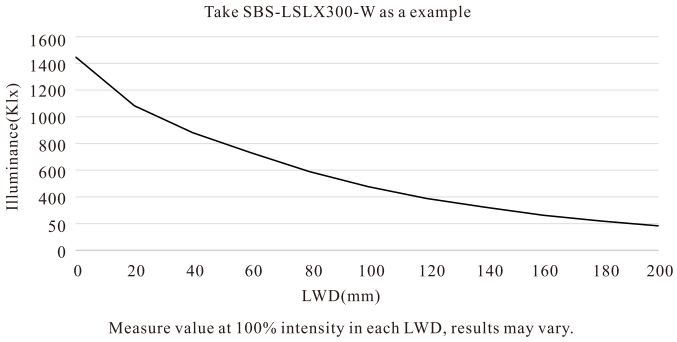


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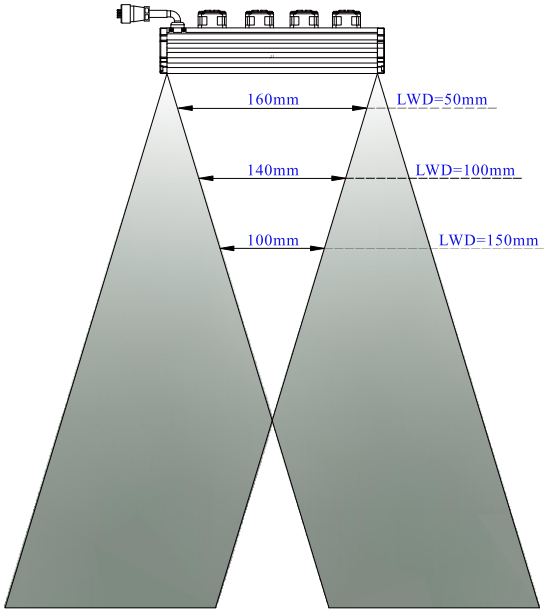
Parameter

Item	Model	Power consumpiton White Color	WD (mm)	Emitting surface (mm)	Dimension（L*W*H) (mm)	Recommended Controller
1	SBS-LSLX100	48V/29.0W	10~20	100*25	120*50*90	SBS-DCHP48-X
2	SBS-LSLX200	48V/54.0W	20~35	200*25	220*50*90	
3	SBS-LSLX300	48V/76.0W	35~50	300*25	320*50*90	
4	SBS-LSLX400	48V/96.0W	50~60	400*25	420*50*90	

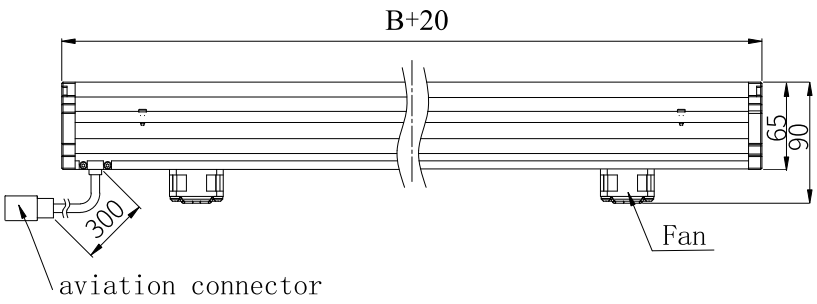
LWD VS Illuminance

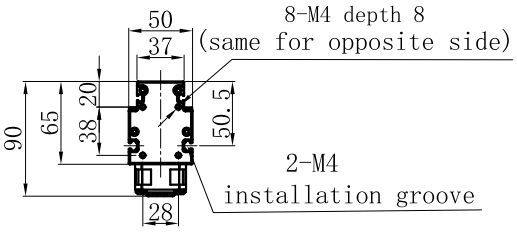


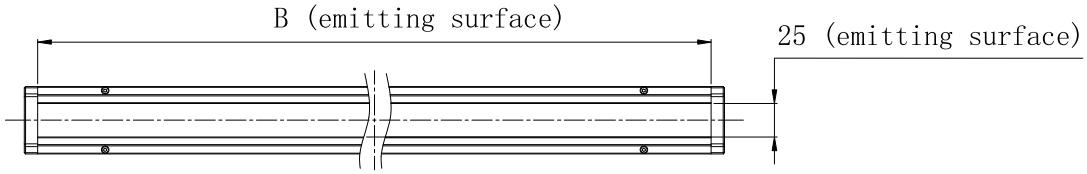
Measure value at 100% intensity in each LWD, results may vary.



Dimensions(mm)



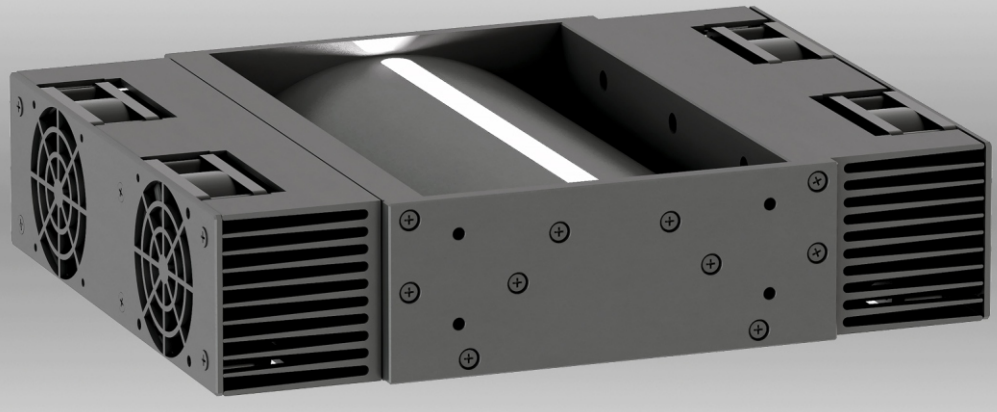




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vision solution

High Power Line ScanTunnel Lights SBS-TULHP series



Products Features

- ▶ High intensity.
- ▶ Special optical structure design.
- ▶ High uniformity.

Applications the light be used for

- ● Packaging inspection.
- ● PCB defects inspection.
- ● Fabric appearance inspection.
- ● Film surface defects inspection.

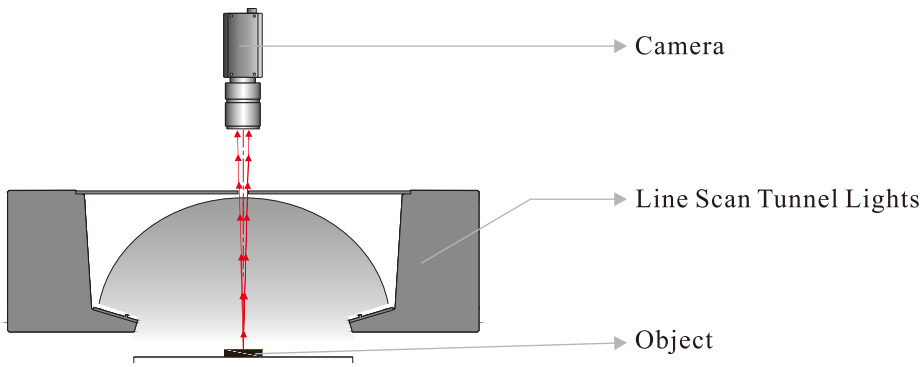
Customization

- ● Dimensions ● Power ● Color
- ● Cable length ● Mounting

SBS-TULHP-XXX-X

- Color
- View Window Length
- High Power Line Scan Tunnel Lights
- SBS Vision

Components

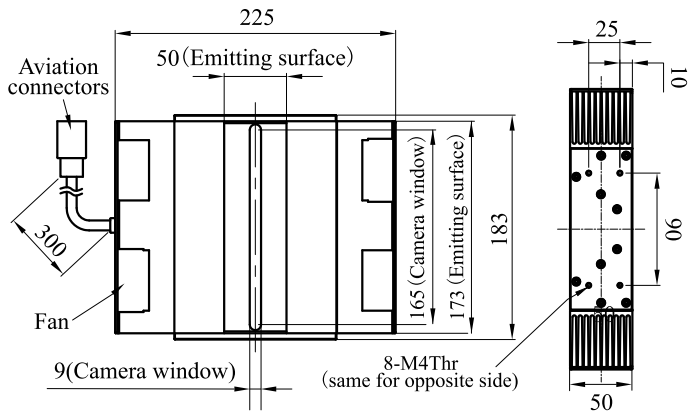


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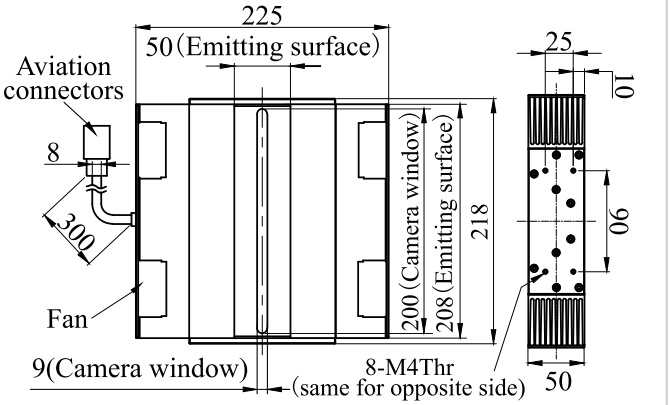
Parameter

Item / No.	Model	Power consumpiton White Color	WD (mm)	View Window (mm)	Dimension L*W*H) (mm)	Recommended Controller
1	SBS-TULHP17350	48V/288.0W	15~20	240*6	266*244*88	SBS-DCHP48-X
2	SBS-TULHP20850	48V/400.0W	15~20	290*6	316*244*88	
3	SBS-TULHP29050	48V/500.0W	15~20	390*6	416*244*88	

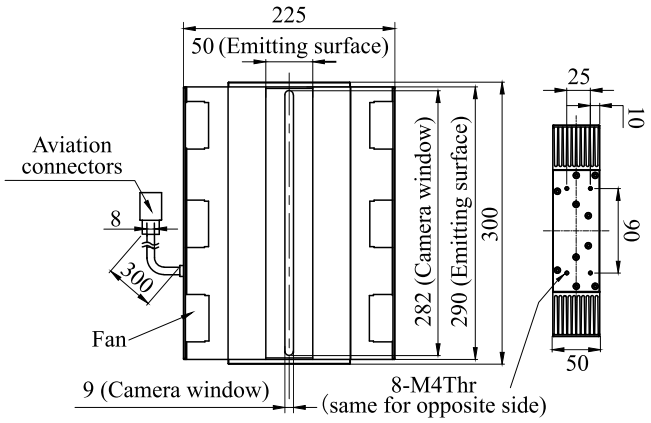
Dimensions(mm)



SBS-TULHP17350



SBS-TULHP20850



SBS-TULHP29050

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SBS
vision solution

Analog Controller





Products Features

- Intensity can be adjusted without level limited..
- Provide the power to the LED lights, camera, PLC etc.
- High power, fast speed, stablitiy, small size, easy operation, with over current and short protection.
- Provide stable power to compatible with the speed over 1/10000.
- Flexiable outsourcing trigger, with continuous on/ off status,

Model Description

SBS-AC-XX-XX-X

- SBS Vision
- AC: Analog Controller
- Output Voltage
- Power
- CHs

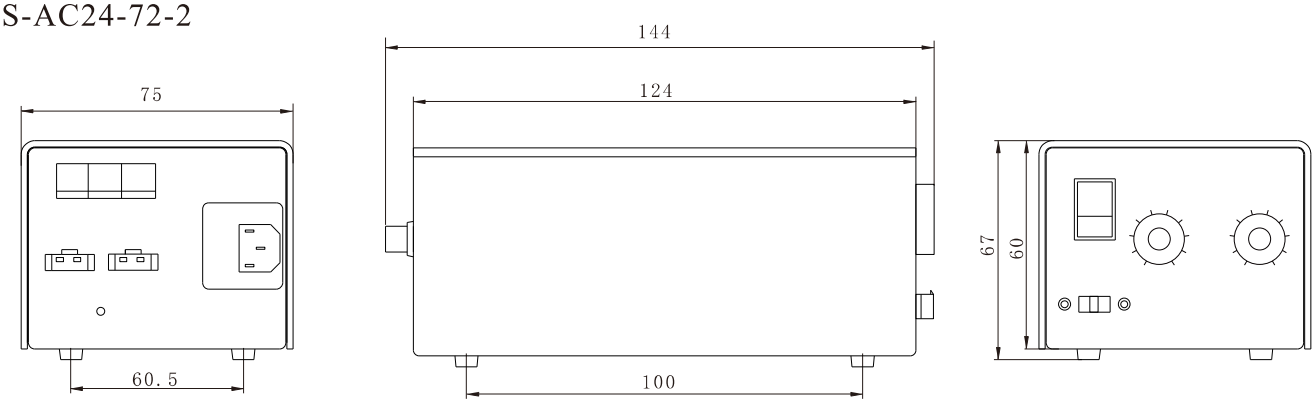
Parameter

Item \ Model	SBS-AC24-72-2	SBS-AC24-72-4	SBS-AC24-124-4	SBS-AC5-15-2
Output way	constant voltage			
Intensity adjust	manual operation			
Input voltage	AC100-240V 50/60HZ			
Channels	2	4	4	2
Output voltage/current	24V, 1A (single max 1A)	24V, 2.5A (single max 2.5A)	24V, 5A (single max 1.5A)	5V, 3A (single max 1.5A)
Output power	72W	72W	124W	15W
Output connector	SM 03V-BC			
Trigger voltage input	5V-24V			
Trigger delay	less than 1.5ms			
Usage environment	temperature: 0–40℃ humidity: 20-85% RH (not frozen)			
Storage environment	temperature: 0–40℃ humidity: 20-85% RH (not frozen)			
Cooling way	Natural cooling	Fan cooling	Fan cooling	Fan cooling

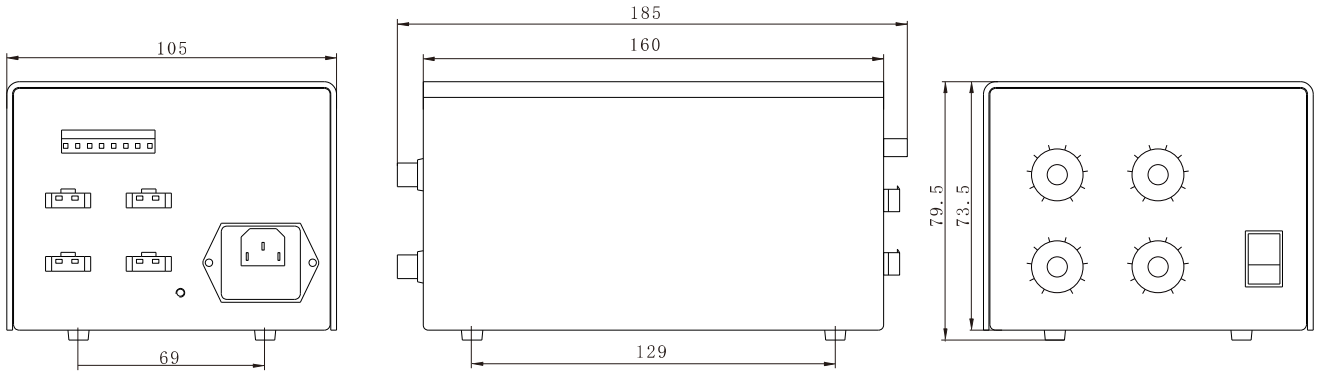
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Dimensions(mm)

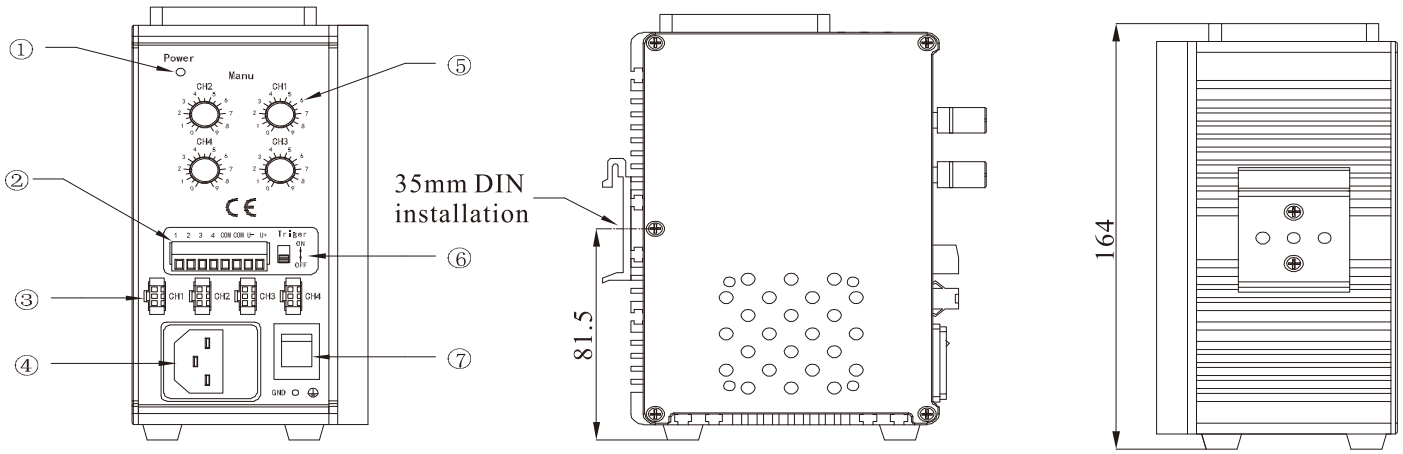
SBS-AC24-72-2

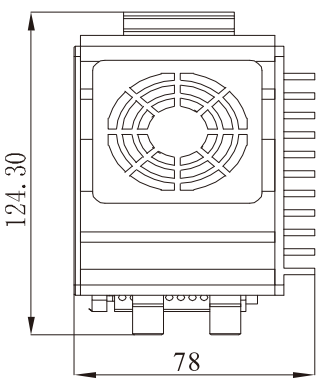


SBS-AC24-72-4



SBS-AC24-124-4





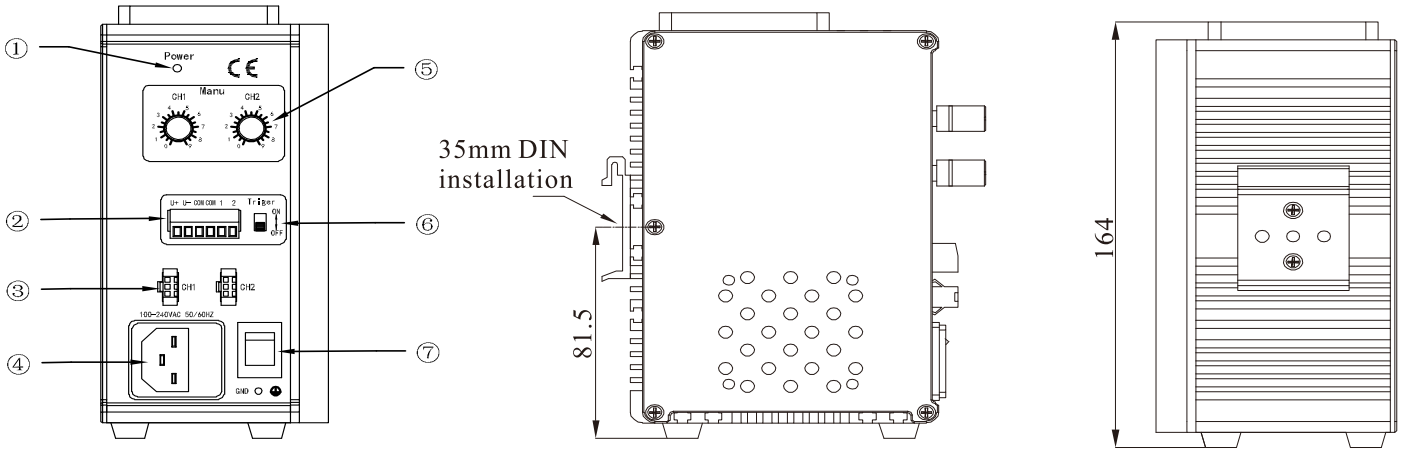
①	Power indicator (the LED is green when it is input power)
②	Outsourcing trigger connector (COM is the trigger connector, it can be input plus or minus, TR1 to TR4 is related with CH1 to CH4,U+24V, U- 0V)
③	Output connector (from channel 1 to channel 4, pin one is plus, pin 3 is minus)
④	AC power input (input 100-240VAC)
⑤	Intensity adjust set key
⑥	Constant on or off switch key
⑦	Power bottom

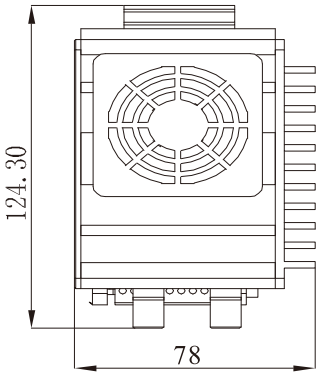
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vision solution

Analog Controller

SBS-AC5-15-2





①	Power indicator (the LED is green when it is input power)
②	Outsourcing trigger connector (COM is the trigger connector, it can be input plus or minus, TR1 to TR2 is related with CH1 to CH2, U+24V, U- 0V)
③	Output connector (from channel 1 to channel 2, pin one is plus, pin 3 is minus)
④	AC power input (input 100-240VAC)
⑤	Intensity adjust set key
⑥	Constant on or off switch key
⑦	Power bottom

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Digit Controller



Products Features

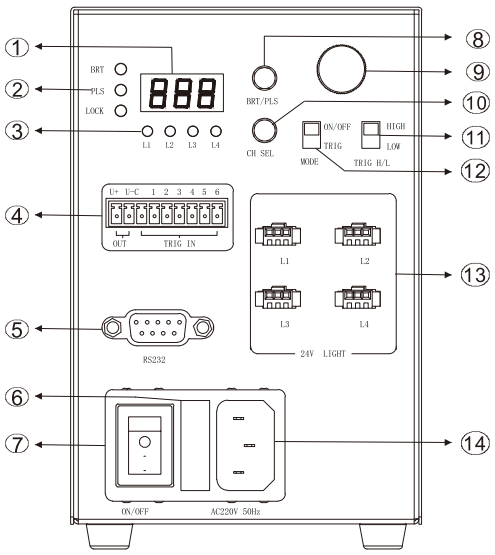
- RS-232/EIA-485communication.
- PMW control, short trig response time.
- Channels can be controlled individually, communication command can be combined by one code or series of codes.
- External trig signal can control the Light ON/OFF and the time of lighting.
- The intensity can be adjusted by the button in the panel and it also can be adjusted via PLC or other machine vision devices.

Model Description

SBS-DCV-XX-XX-X

- SBS-DCV-XX-XX-X → CHs
- SBS-DCV-XX-XX-X → Power
- SBS-DCV-XX-XX-X → Voltage
- SBS-DCV-XX-XX-X → DCV: Digital Controller
- SBS-DCV-XX-XX-X → SBS Vision

Panel description



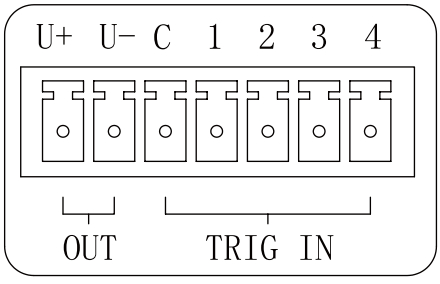
No.	Keys	Description
①	Digital screen	\
②	Function indicator lamp	BRT:intensity level adjust; PLS:strobe time; LOCK: lock
③	Channel indicator lamp	CH1~CH4/CH1~CH6
④	External trigger connector	\
⑤	Communication connector	RS-232/EIA-485
⑥	Fuse	\
⑦	ON/OFF switch	ON/OFF
⑧	Mode select key	BRT:intensity level adjust; PLS:strobe time setting ; PWM frequency setting by pressing 3 seconds continuously
⑨	Data adjust button	\
⑩	Channel select key	Select channel; lock the interface by pressing 3 seconds continuously
⑪	Trigger mode switch key	HIGH: rising edge trigger (high level); LOW: falling edge trigger (low level);
⑫	Continuous/strobe mode switch key	ON/OFF: continuous mode; TRIG: strobe mode
⑬	Connector for Light	24V input Light
⑭	AC power plug	AC100~240V/50~60Hz

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Parameter

Item	Description	
Model	SBS-DCV24-60-4/6	SBS-DCV24-150-4/6
Lighting states	Continuous/Strobe	
Intensity adjust method	PWM control/ lighting time control	
Drive mode	Constant voltage	
Communication	RS-232/EIA-485	
Channel	4/6 channels	4/6 channels
Max output current of single channel	2.5A	3A
Total output power	60W	150W
Input voltage	AC100~240V	
Trigger input voltage	DC5~24V	
Output voltage	DC24V	
Lighting trigger delay	Not more than 1us	
Strobe lighting time	0~999ms	
Intensity level	0~255	
Weight (kg)	0.8	
PMW frequency	C-0 is 62.5KHz, C-1 is 125KHz, C-2 is 250KHz, C- 3 is 500KHz It can be setted via Panel or software.	
Error detection display	It shows"OCP"	
Over current protection	It will be started when the output current is over 107% and it shows "OCP" It will recover by restarting the ON/OFF switch	
Usage environment	Temperature: -10～50°C humidity: 20～85%RH (not frozen)	
Storage environment	Temperature: -20～60°C humidity: 20～85%RH (not frozen)	
Cooling way	Natural cooling	Fan cooling

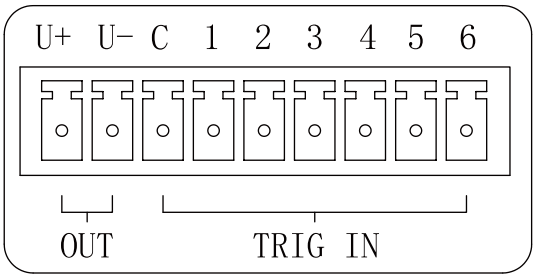
Connector



Pin	Description	
C	Common	polarity-free, bipolar transmission
1	Trigger input for CH1	
2	Trigger input for CH2	
3	Trigger input for CH3	
4	Trigger input for CH4	
U+	5v/200mA output	output +
U-		output -

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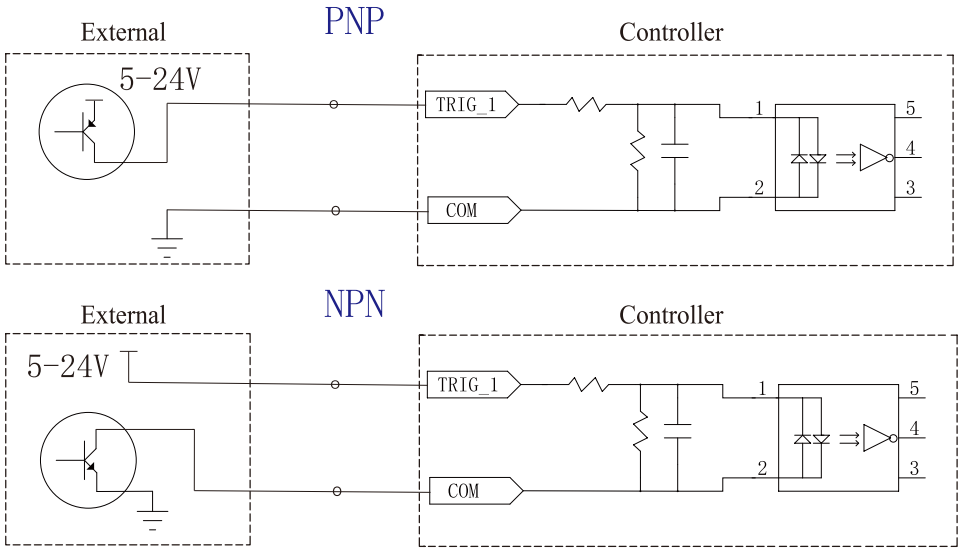
vision solution Digital Controller



Pin	Description	
C	Common	polarity-free, bipolar transmission
1	Trigger input for CH1	
2	Trigger input for CH2	
3	Trigger input for CH3	
4	Trigger input for CH4	
5	Trigger input for CH5	
6	Trigger input for CH6	
U+	5v/200mA output	output +
U-		output -

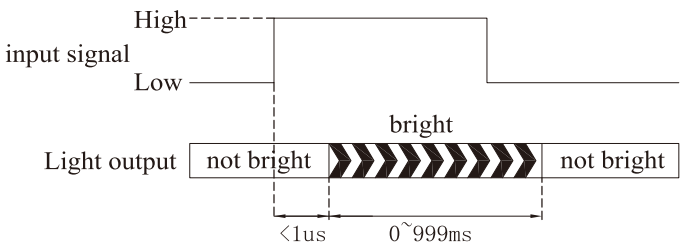
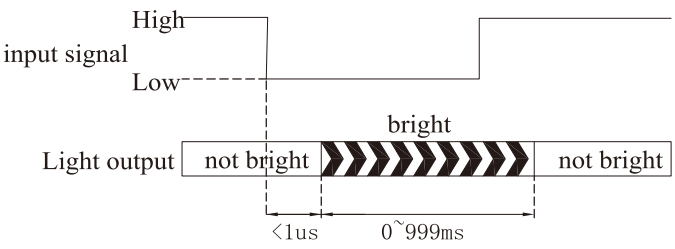
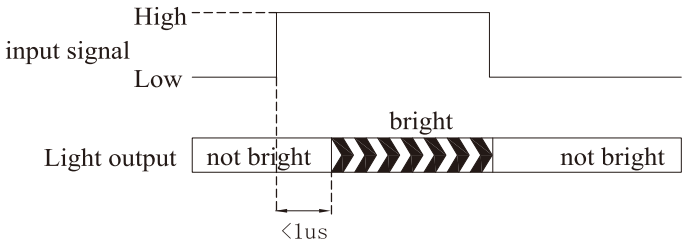
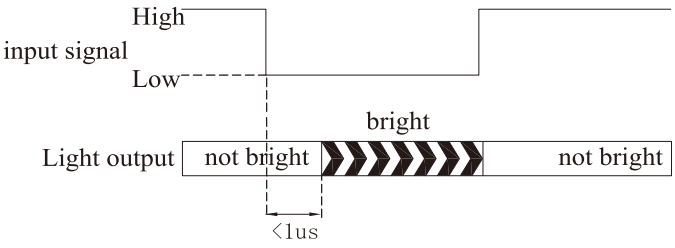
Control mode and lighting mode

Trigger input method (take L1 as a example)



The external trigger for the controller can't use the high mechanical switch like relay as trigger driving.

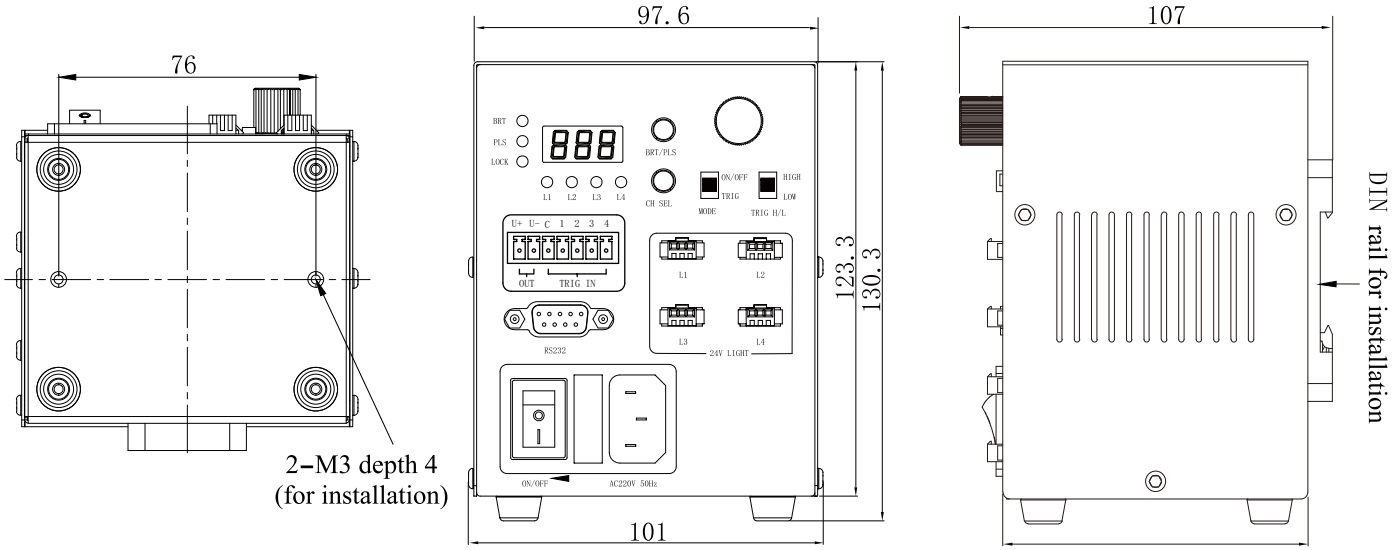
Control mode

Trigger mode to HIGH	Trigger mode to LOW
(TRIG) rising edge trigger	(TRIG) falling edge trigger
	
(ON/OFF) high level	(ON/OFF) low level
	

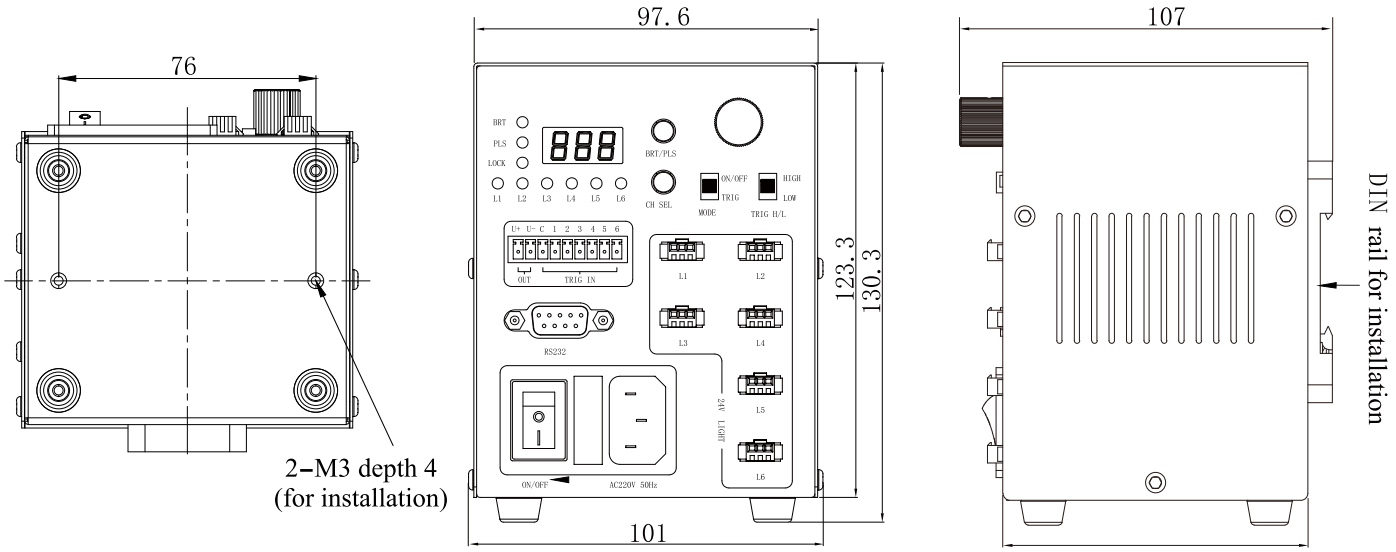
Back to P1

Dimensions (mm)

SBS-DCV24-60-4/SBS-DCV24-150-4



SBS-DCV24-60-6/SBS-DCV24-150-6



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Controller For Line Scan Lights



Products Features

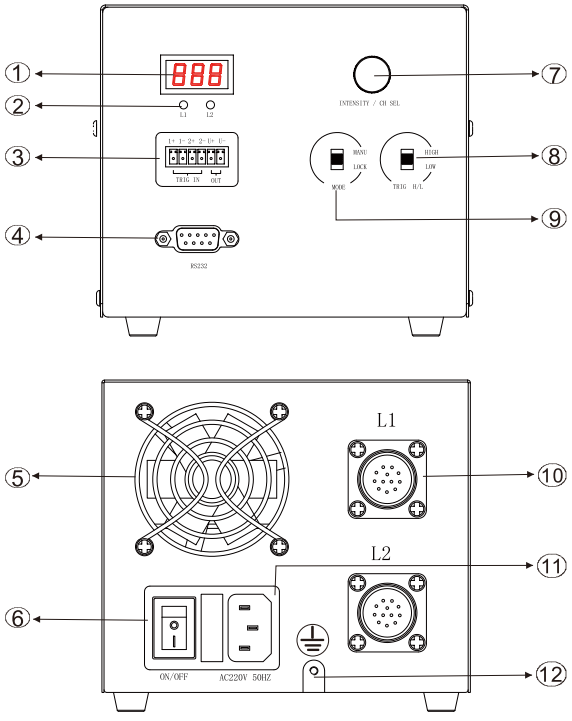
- Channels can be controlled individually, communication command can be combined by one code or series of codes.
- The intensity can be adjusted by the button in the panel and it also can be adjusted via PLC or other machine vision devices.
- It can recognize the rated power of the Line Scan Light automatically and output the related current.
- External trigger is available, RS- 232 and EIA-485 communication.
- To light up the Line Scan Light via constant current, 48V output voltage.

Model Description

SBS-DCHP-XX-XX-X

- CHs
- Power
- Voltage
- DCHP: Digital Controller for Line Scan Lights
- SBS Vision

Panel description



No.	Keys	Description
①	Digital screen	\
②	Channel indicator Lamp	L1/L2 channel switch display
③	External trigger connector	\
④	Communication connector	RS-232/EIA-485
⑤	Heat release fan	\
⑥	Power switch key	Power turn on or off
⑦	Adjust key	1. Adjust the intensity level; 2. switch L1 to L2 or L2 to L1
⑧	Trigger mode switch key	HIGH: high level trigger; LOW: low level trigger
⑨	Control mode switch key	MANU/LOCK mode
⑩	Connector for Light	48V output voltage
⑪	AC power plug	AC100~240V/50~60Hz
⑫	Ground hole	M3 screw

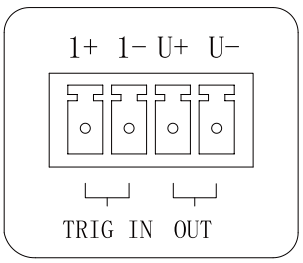
Back to P1

Controller for Line Scan Lights

Parameter

Item	Description		
Model	SBS-DCHP48-135-2	SBS-DCHP48-580-1	SBS-DCHP48-550-2
Lighting states	Continuous		
Intensity adjust method	By adjusting current		
Drive mode	Constant current		
Communication	RS-232/EIA-485		
Channel	2 channels	1 channel	2 channels
Max output power of single channel	135W	580W	270W
Total output power	135W	580W	550W
Lighting up method	Constant current		
Input voltage	AC100~240V		
Trigger input voltage	DC5~24V		
Output voltage	DC48V		
Lighting trigger delay	Not more than 50us		
ID identify	Automatic identify		
ID setting	Setting by software (0-99)		
Heat release fan	Fan will be started up when the temperature of panel is more than 55℃ will be stopped when the temperature is below 45℃,it shows error when the temperature is more than 85℃		
Error detection display	Over temperature protecction of Controller shows "E01" Temperature control fault of Controller shows "E05" Over current protection of Light shows "E02" Over temperature protecction of Light shows "E03" Temperature control fault of Light shows "E04"		
Usage environment	Temperature: -10～50°C humidity: 20～85%RH (not frozen)		
Storage environment	Temperature: -20～60°C humidity: 20～85%RH (not frozen)		

Connector

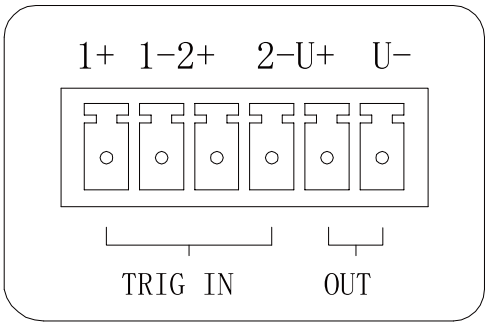


Pin	Definition	
1+	One channel	Trigger +
1-		Trigger -
U+	5V/200mA output	Output +
U-		Output -

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vision solution

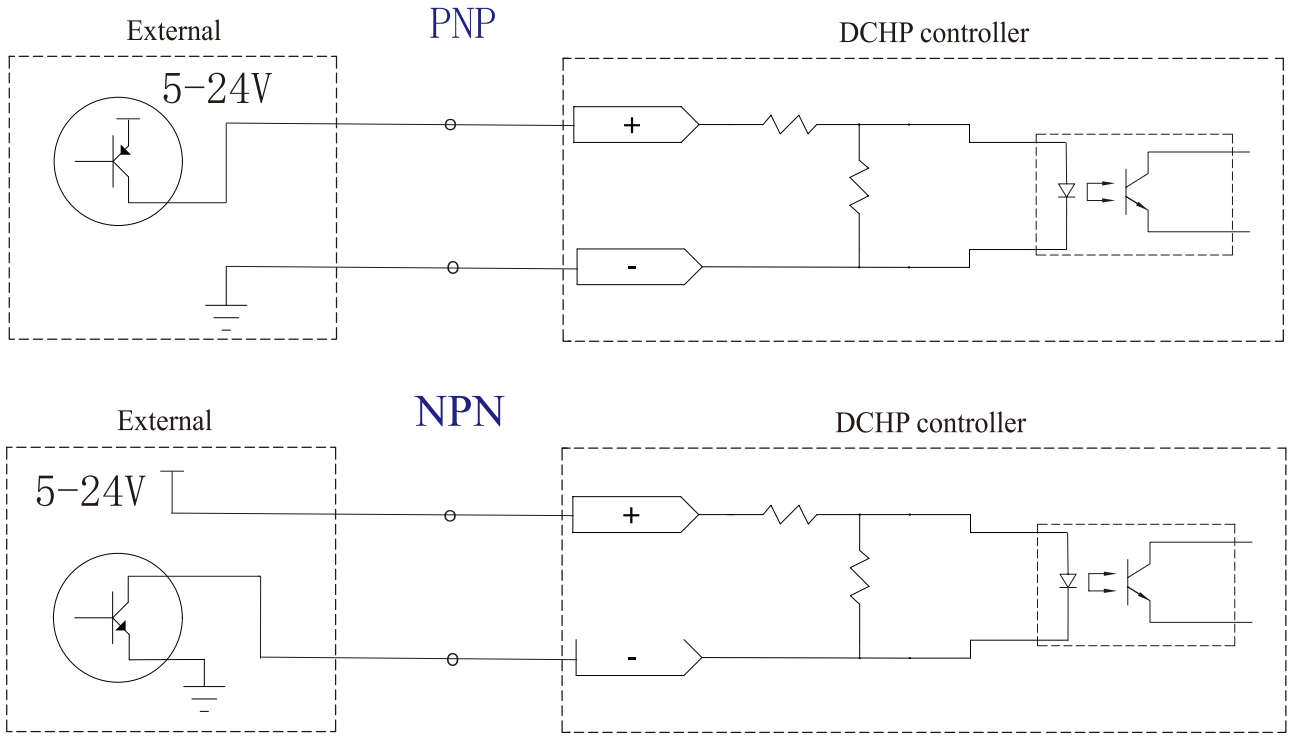
Controller for Line Scan Lights



Pin	Definition	
1+	One channel	Trigger +
1−		Trigger -
2+	Two channels	Trigger +
2−		Trigger -
U+	5V/200mA output	Output +
U−		Output -

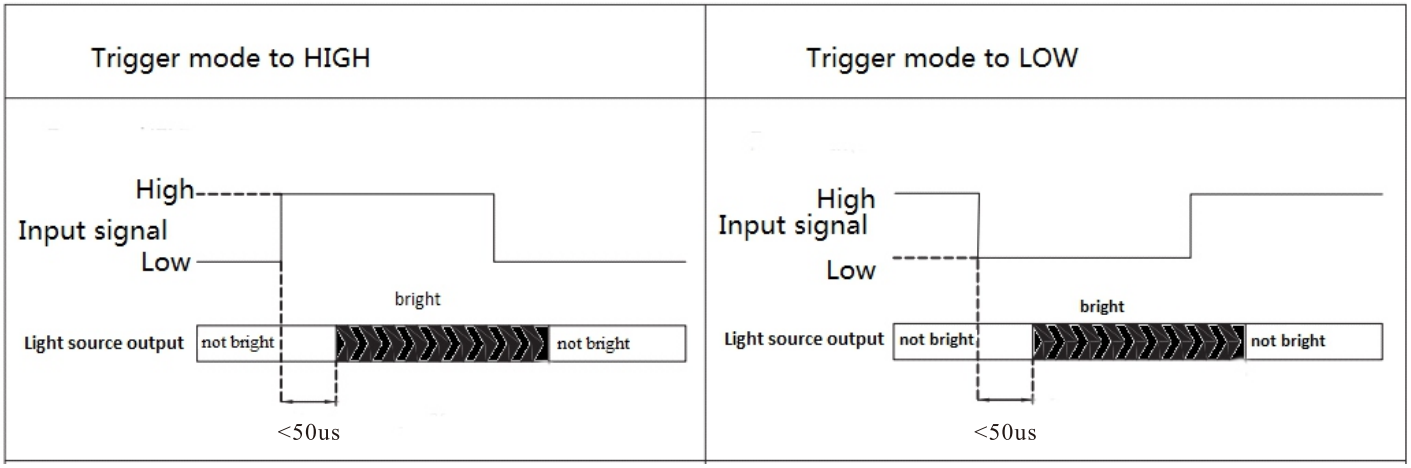
Control mode and lighting mode

Trigger input method



* Switches with strong mechanical characteristics such as relays cannot be used as external actuation of the controller.

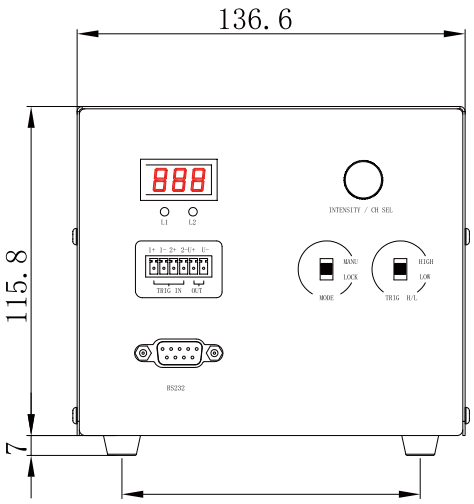
Control mode

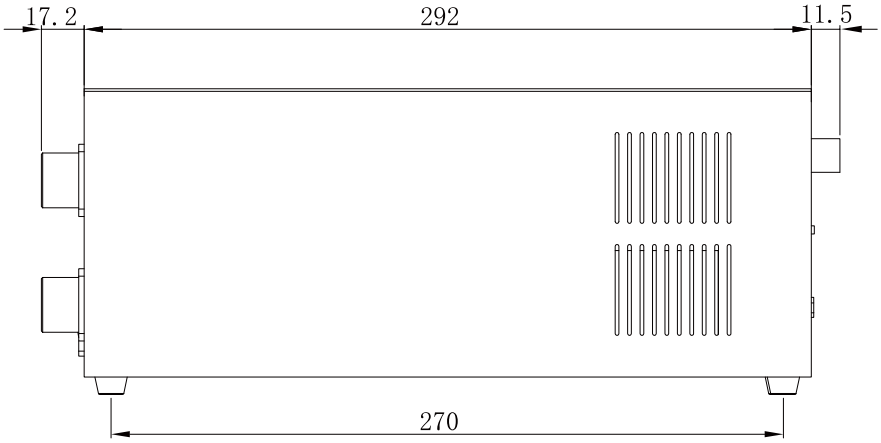


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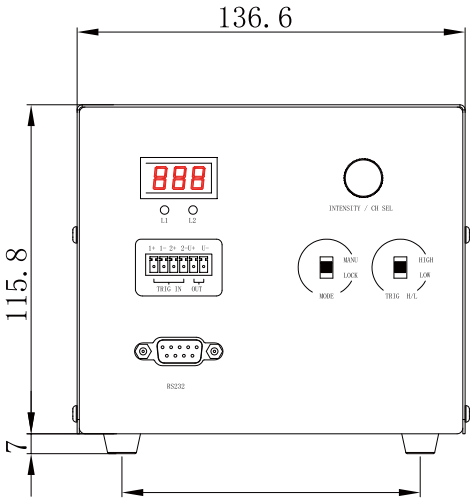
Dimensions (mm)

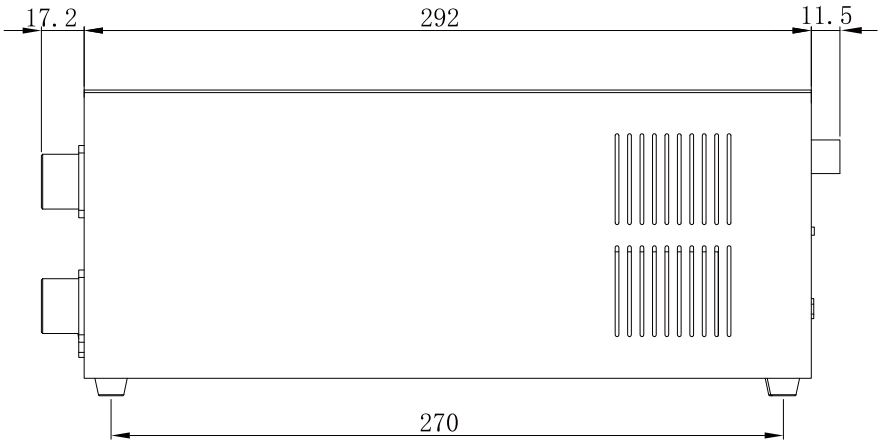
SBS-DCHP48-580-1/SBS-DCHP48-550-2





SBS-DCHP48-135-2





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Overdrive Digital Controller



Products Features

- Overdrive voltage can be 48V, the brightness of the LED Lights can be increased by more than 3 times.
- With outsourcing trigger way, emitting time can be adjusted within 10-999us.
- Adjust the intensity by RS232, DIN or bottom mounting hole installation.
- The trigger delay time of the lighting and the output of the camera can be adjusted within 0-999us.

Model Description

SBS-ODC-XX-XX-X

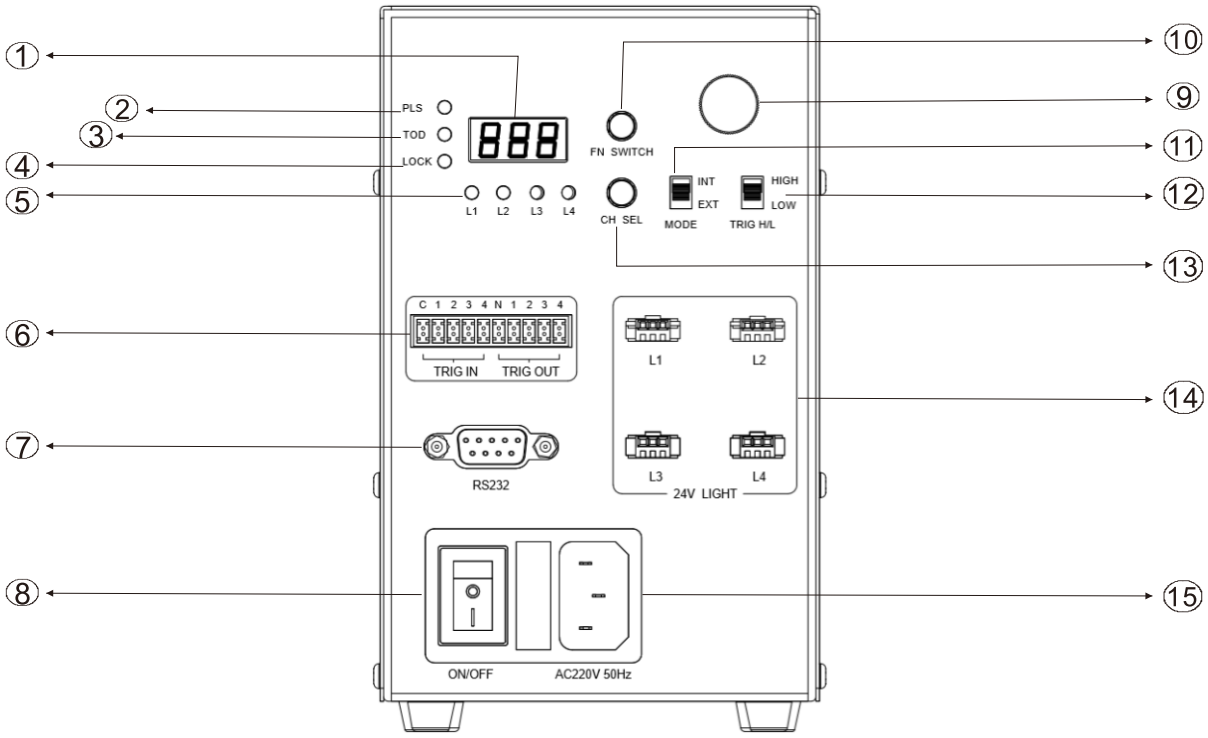
- CHs
- Power
- Voltage
- ODC: Overdrive Digital Controller
- SBS Vision

Parameter

Item \ Model	SBS-ODC48-120-4
Channels	4
Error inspection showing	digtal bar showing with numbers
Over current protection	it works when the output current is more than 107%, and it shows OCP, restart the controller to recover
Input voltage	AC100-240V
Trigger function	bidirectional input, regardless of polarity
Trigger input voltage	DC5-24V
Total output power	120W (total power of 4 channels)
Peak output voltage	DC48V
Peak output current	＜20A (single channel)
Trigger delay	＜1μS
Strobe time	it can be set into 0-999μS
Trigger way	outsourcing trigger way and software trigger way
Usage environment	temperature: -10–50℃ humidity: 20-85% RH (not frozen)
Storage environment	temperature: -20–60℃ humidity: 20-85% RH (not frozen)
Cooling way	Natural cooling

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Panel



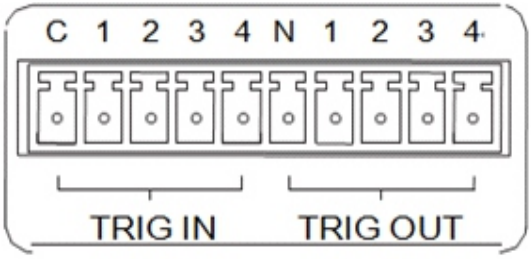
No.	Keys	Function
①	Digital screen	The selected data will be show in the screen（The selected data can be read in the screen）
②	Lighting flash time indicator	The lighting flash time can be set from 0 to 999 level（Press the "FN Switch" key until the lighting flash time indicator light is on）
③	Trigger delay time indicator	The lighting flash time can be set from 0 to 999 level（Press the "FN Switch" key until the lighting trigger time indicator light is on）
④	Lock data indicator	The set data can be locked after setting finished（Press the "FN Switch" key until the lock data indicator light is on）
⑤	Channels from 1 to 4	4 lights can be connected
⑥	Out signal input connector	For connection outside signal
⑦	RS232 connector	Connect with PC
⑧	Power switch key	Power turn on or off
⑨	Data adjust key	Adjust light flash time, trigger delay time, or light on time（turn right or left to adjust the selected data to set）
⑩	Function switch key	Select the light flash time, trigger delay time or light on time （Press "FN Swich" to select which time you want to set, when the "light flash time indicator"and "trigger delay time indicator"is on together, then press it longer to switch to "light on time" set）
⑪	Out signal trigger & internal trigger switch key	Select the trigger way by the signal source（4 sequences sets internal into controller）
⑫	High & low voltage trigger switch key	Select the trigger way by the input voltage （depend on the outside signal input voltage, 0-5V is low voltage trigger, 5V-24V is high voltage trigger）
⑬	Channels switch key	Select Channel from 1 to 4（Select the Channel to adjust the related intensity）
⑭	Lighting connector	4 Channels
⑮	Power input connector	AC100-240V/50~60Hz

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vision solution

Overdrive Digital Controller

Connector

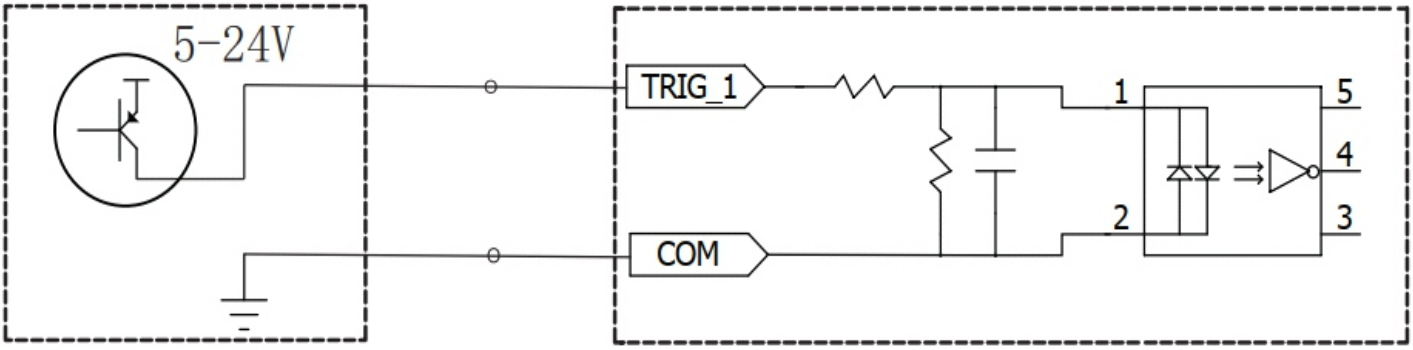


Trigger input is non-polar and support for bidirectional input.
Trigger output has polarity, N represents the output negative pole.
The voltage of the trigger output is 12V,and it can directly trigger the camera to take pictures.

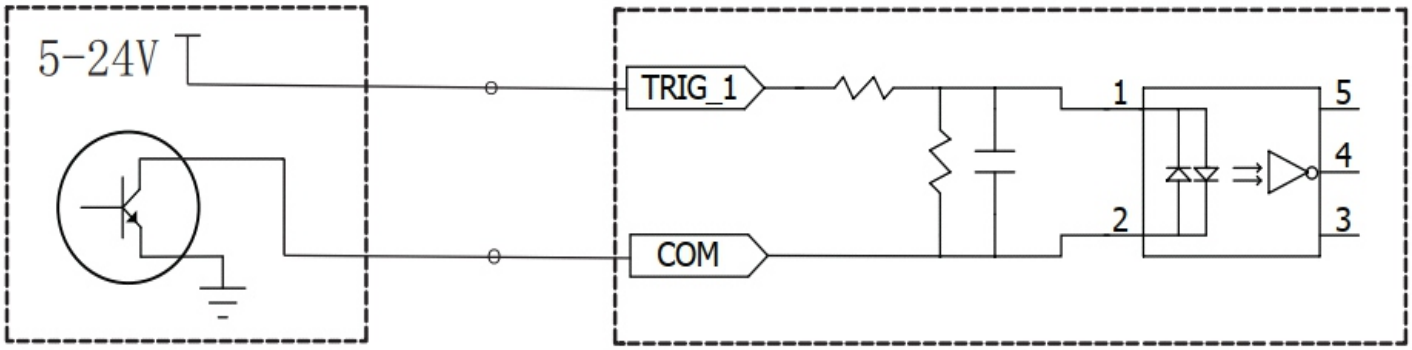
TRIG IN	Wiring definition	TRIG OUT	Wiring definition
C	common port of trigger input	N	common port of trigger output (-)
1	Channel 1 ofrigger input	1	Channel 1 ofrigger output
2	Channel 2 ofrigger input	2	Channel 2 ofrigger output
3	Channel 3 ofrigger input	3	Channel 3 ofrigger output
4	Channel 4 ofrigger input	4	Channel 4 ofrigger output

Trigger Wiring

PNP



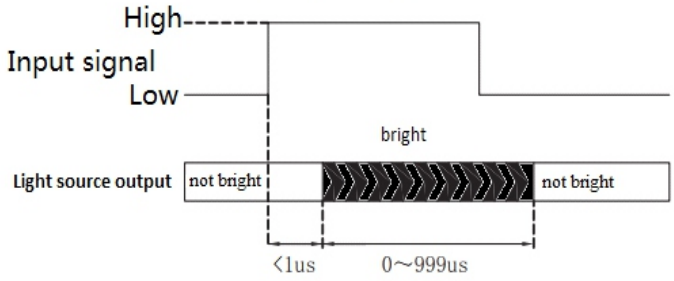
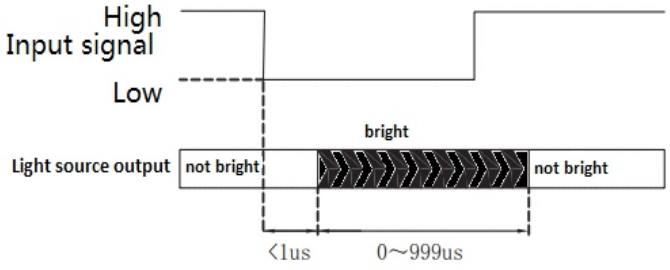
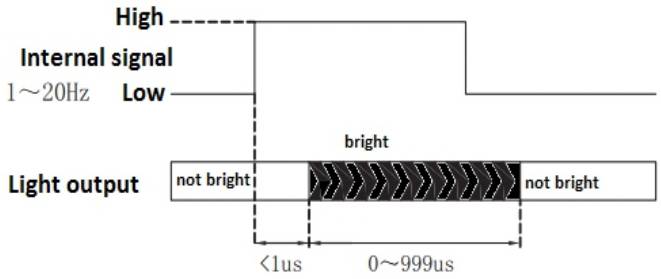
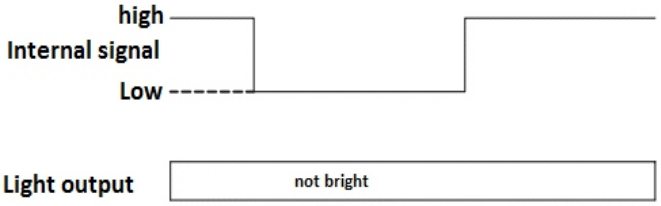
NPN



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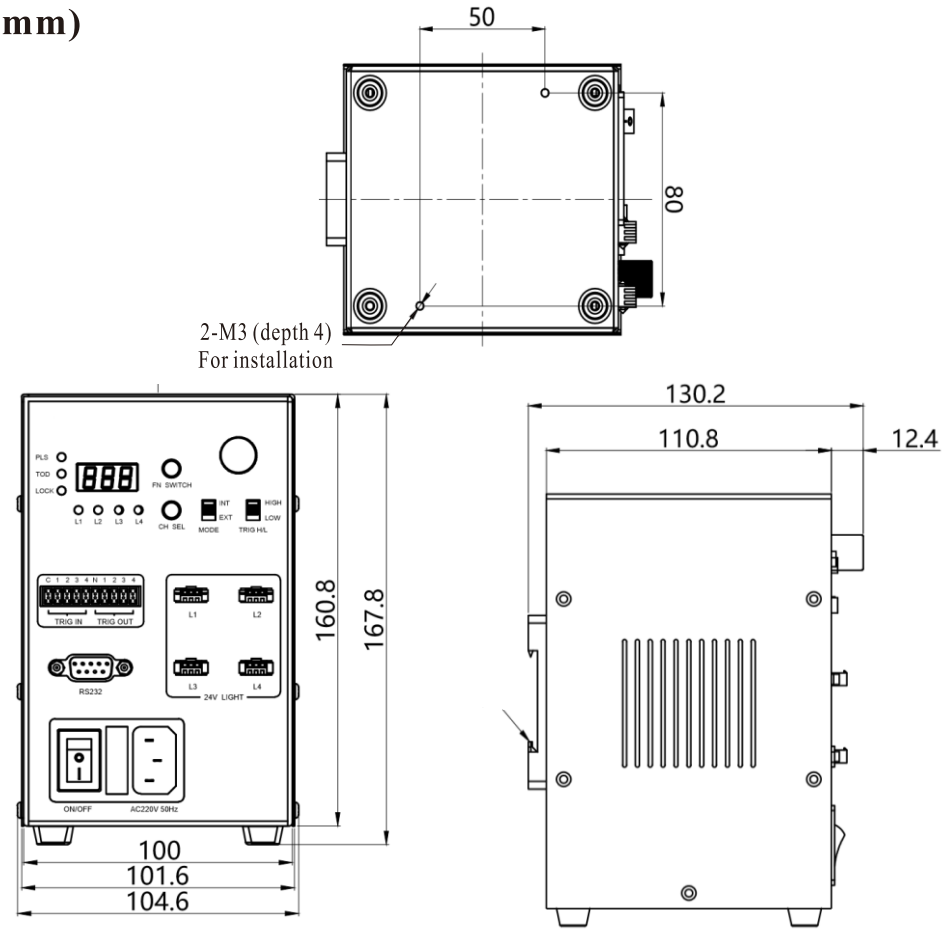
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Control mode selection

Trigger mode to HIGH	Trigger mode to LOW
External(EXT).Rising Edge Triegger Mode	External(EXT).Falling Edge Triegger Mode
	
Internal (INT) trigger mode	**Internal (INT) Light Source Extinction mode**
	

Note:the camera should be set falling edge trigger mode when the controller trigger output function to trigger the camera to take the picture synchronously

Dimensions(mm)



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Mini Controller





Products Features

Mini Digital Controller

- Control the Light remote by integrating with software.
- Each channel can be controlled individually, controlled by hands, another is controlled by RS232 or Ethernet.
- Provide RS232 or Ethernet communication and 0-999 intensity level.
- The trigger function is from outsourcing singnal to turn on or off the light; It can be switched to constant on or off.

Mini Analog Controller

- Flexiable outsourcing trigger, with continuous on/ off status, intensity can be adjusted without level limited.
- Small size, easy operation.

Model Description

SBS-AC/DCM-XX-XX-X

- CHs
- Power
- Voltage
- DCM: Mini Digital Controller
- ACM:Mini Analog Controller
- SBS Vision

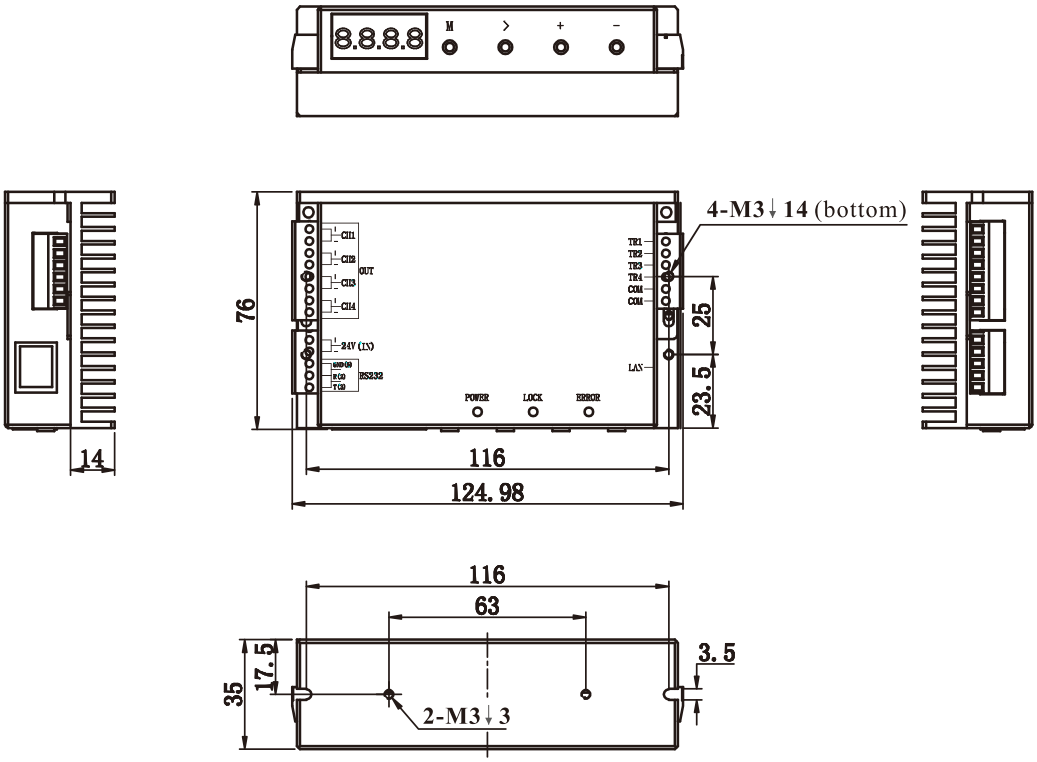
Parameter

Item \ Model	SBS-DCM24-60-4	SBS-ACM24-60-4	Item \ Model	SBS-DCM24-60-4	SBS-ACM24-60-4
Output way	constant voltage		Power	60W	60W
Intensity adjust	manual operation/ RS232/Ethernet	manual operation	Output connector	SM 03V-BC (pin 1 is +, pin 3 is –)	
Input voltage	DC24V		Trigger voltage input	12V-24V (current is 5.6mA)	
Channels	4	4	Trigger delay	Less than 1ms	
Output voltage	24V		Usage environment	temperature: 0–40℃ humidity: 20-85% RH (not frozen)	
Max current output	2.5A (Single CH output max 1.5A)		Storage environment	temperature: -20–60℃ humidity: 20-85% RH (not frozen)	
Cooling way	Nature cooling		NA		

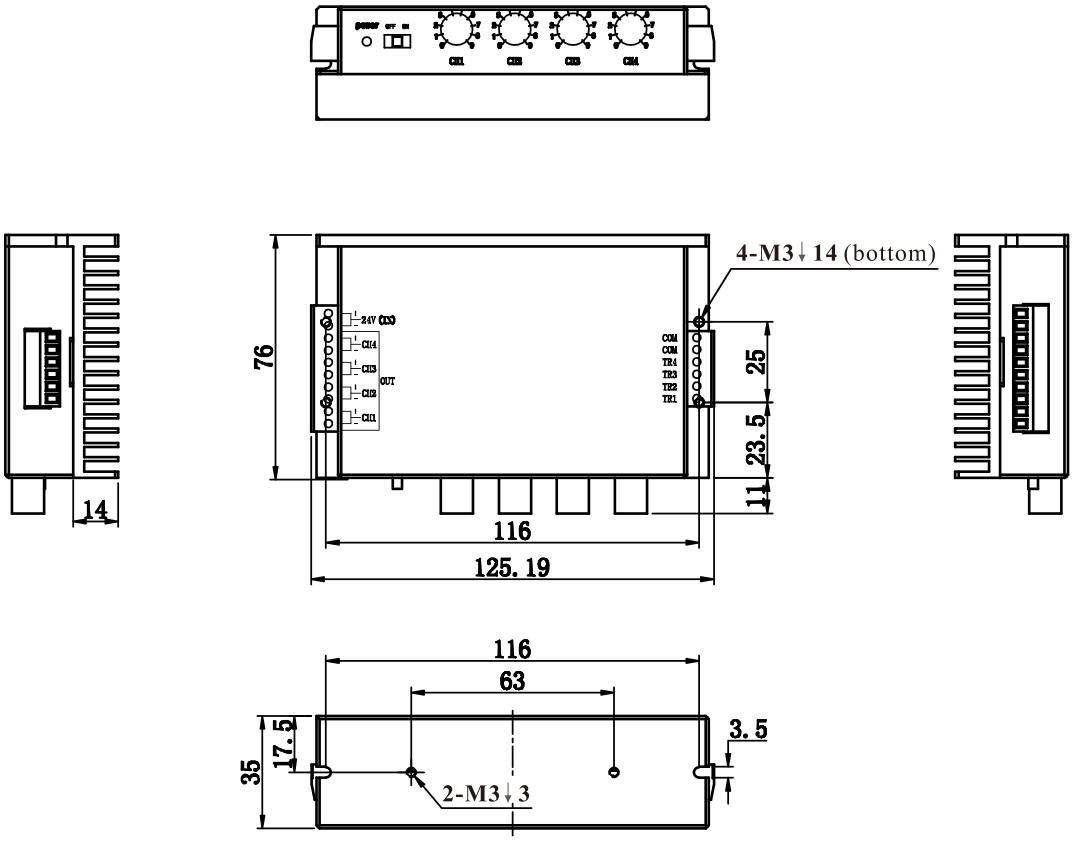
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Dimensions(mm)

Mini Digital Controller (SBS-DCM24-60-4)



Mini Analog Controller (SBS-ACM24-60-4)



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