

* Go to the page you want to by clicking the red frame.

Page Guide-----	P1
Company Introduction -----	P2

Lights

Ring Lights SBS-RL series -----	P3 ~P8
Bar Lights SBS-BL series -----	P9 ~P11
Coaxial Lights SBS-CL series -----	P12 ~P13
Back Lights SBS-BAL series -----	P14 ~P16
Dome Lights SBS-DL series -----	P17 ~P18
Collimated Coaxial Lights SBS-CCL series -----	P19 ~P20
Flat Dome Lights SBS-FDL series -----	P21 ~P22
Low Angle Ring Lights SBS-RLLA series -----	P23 ~P24
Square Lights SBS-SQL series -----	P25 ~P27
Uniformity Ring Lights SBS-RLU series -----	P28 ~P30
Square Dome Lights SBS-SDL series -----	P31 ~P32
Angle Square Lights SBS-ASL series -----	P33 ~P34
Spot Lights SBS-SPL series -----	P35 ~P36
Line Scan Lights SBS-LSL series -----	P37 ~P38
High Illuminance Line Scan Lights SBS-LSLHI/LSLHIL series -----	P39 ~P40
Oblique Line Line Scan Lights SBS-LSLX series -----	P41 ~P42
High Power Line Scan Tunnel Lights SBS-TULHP series -----	P43 ~P44

Controller

Analog Controller-----	P45 ~P47
Digital Controller-----	P48 ~P51
Controller For Line Scan Lights-----	P52 ~P55
Overdrive Digital Controller-----	P56 ~P59
Mini Controller-----	P60 ~P61

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 making contributions 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-solving ability 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 effort to support them. With such core idea entrenched 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.

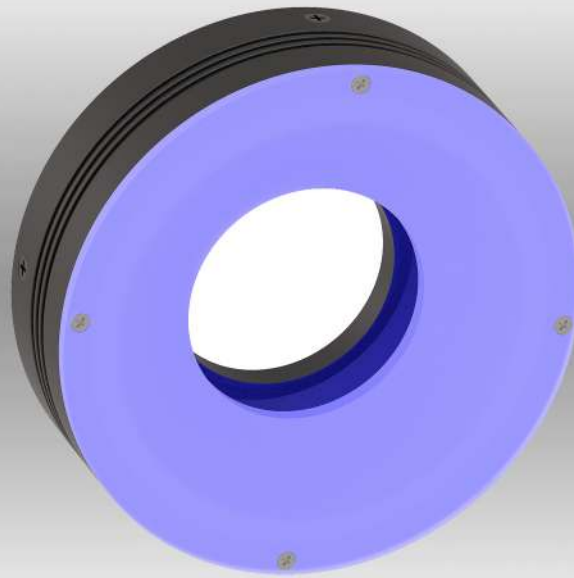
2. Camera modules

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.

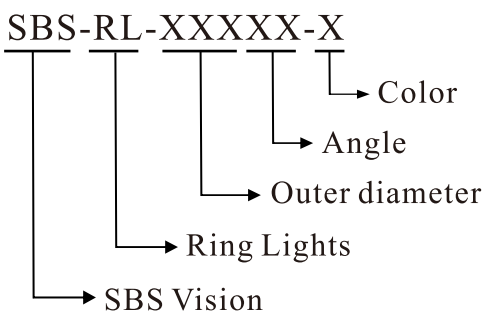
We will make our contributions to build a more creative and smarter world together with our customers and suppliers



Products Features

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

Model Description



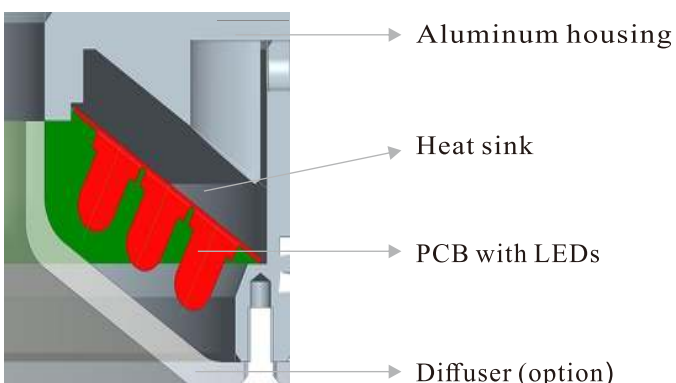
Applications the light be used for

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

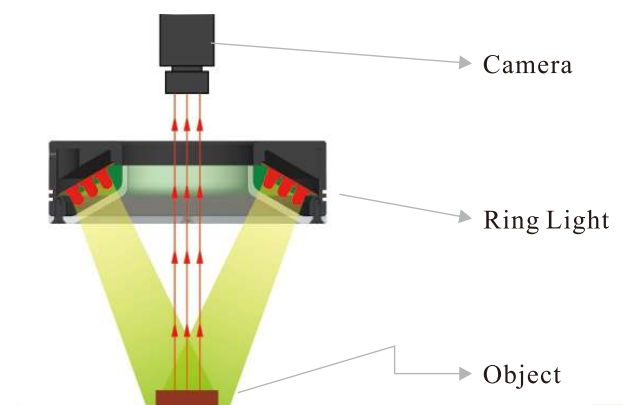
Customization

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

Structure



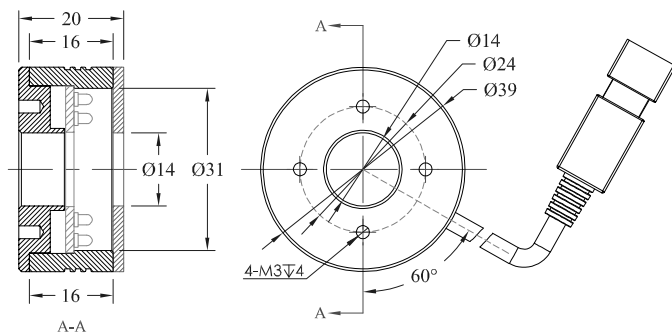
Components



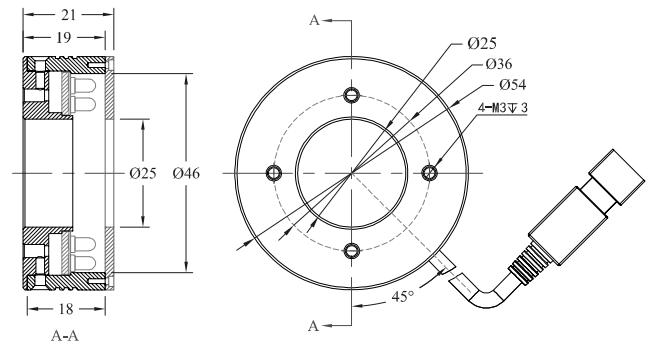
Parameter

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	

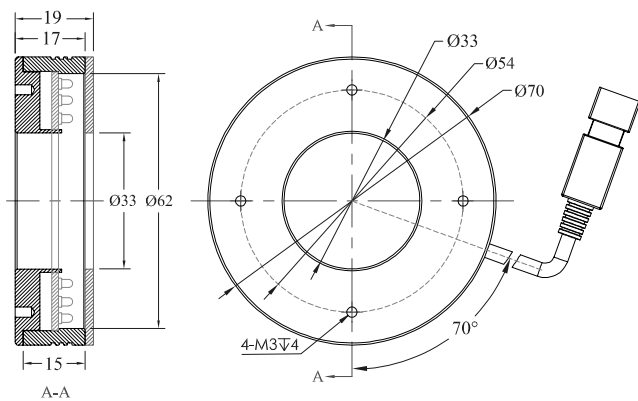
Dimensions (mm)



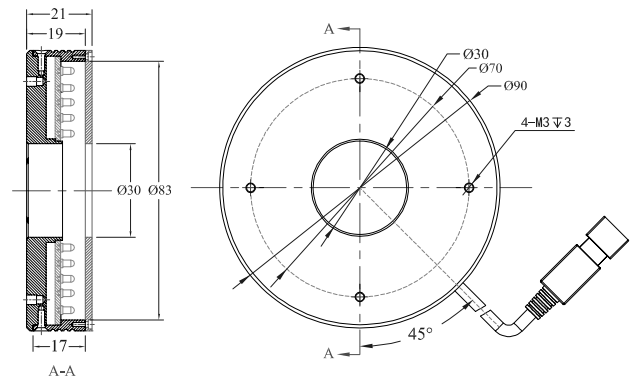
SBS-RL3900-X



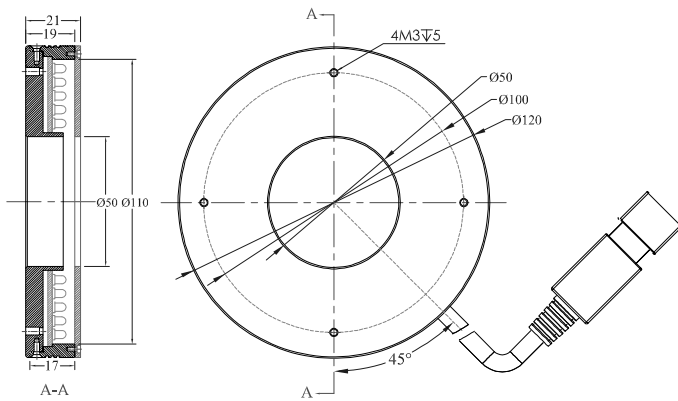
SBS-RL5400-X



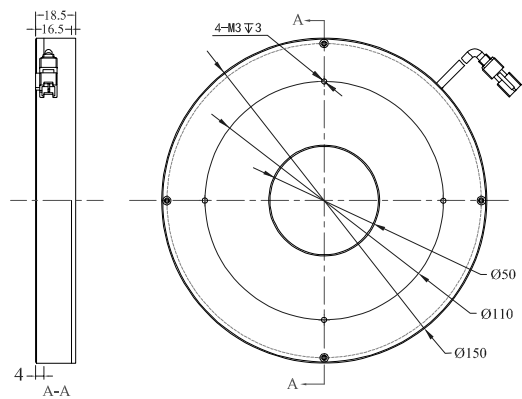
SBS-RL7000-X



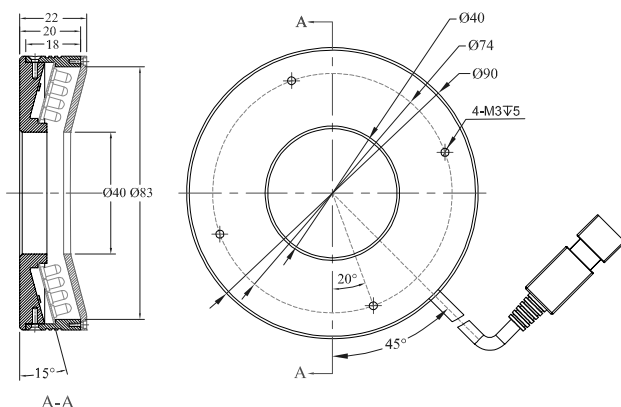
SBS-RL9000-X



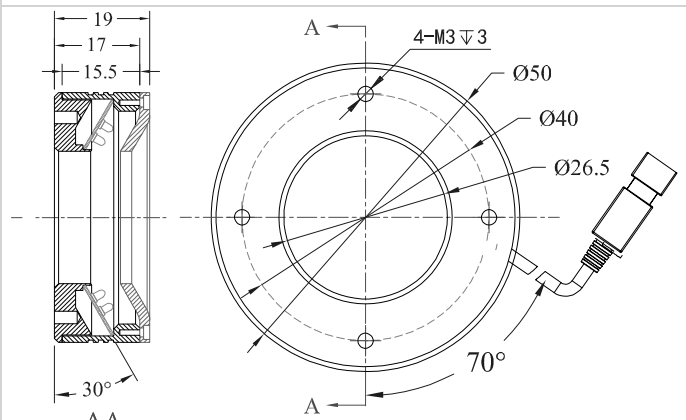
SBS-RL12000-X



SBS-RL15000-X

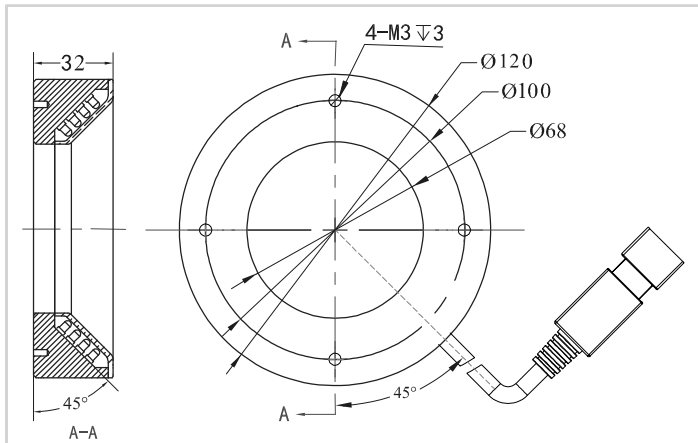


SBS-RL9015-X

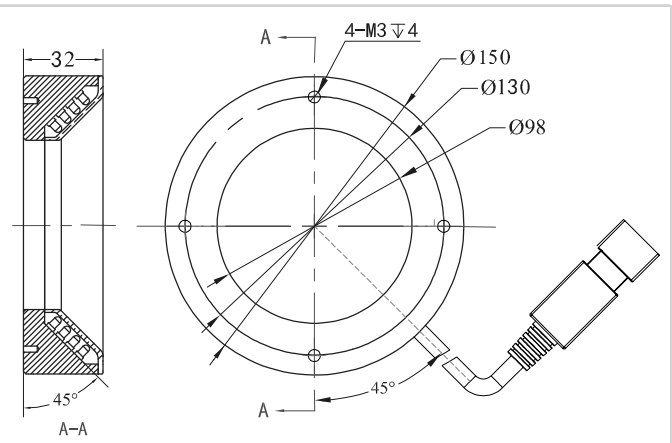


SBS-RL5030-X

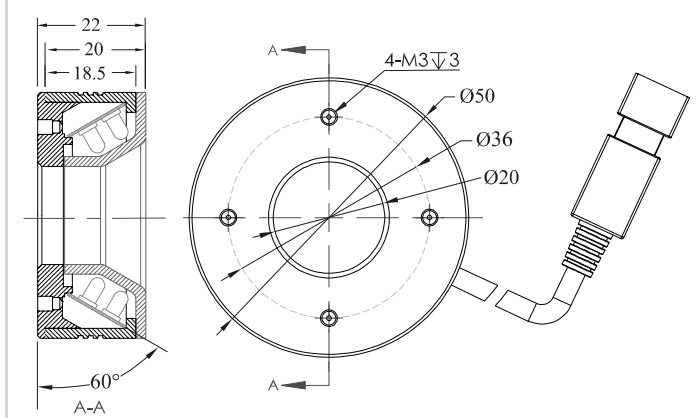
SBS-RL7030-X	SBS-RL9030-X
SBS-RL12030-X	SBS-RL15030-X
SBS-RL18030-X	SBS-RL5045-X
SBS-RL7045-X	SBS-RL9045-X



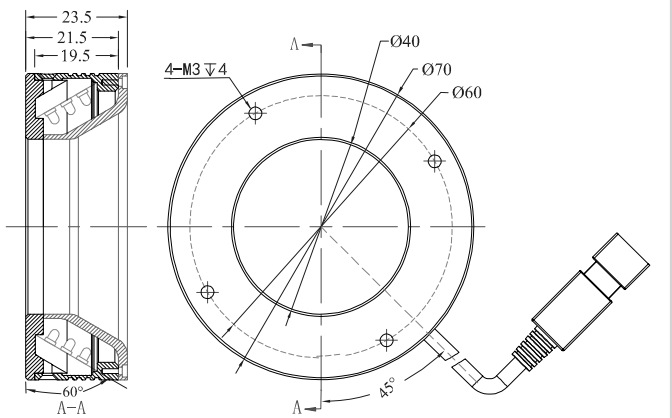
SBS-RL12045-X



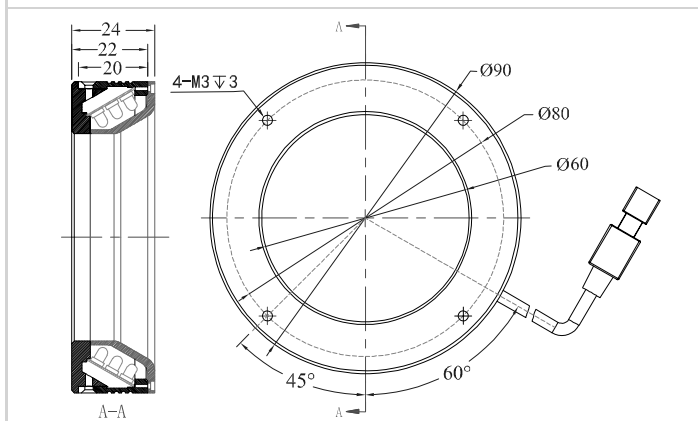
SBS-RL15045-X



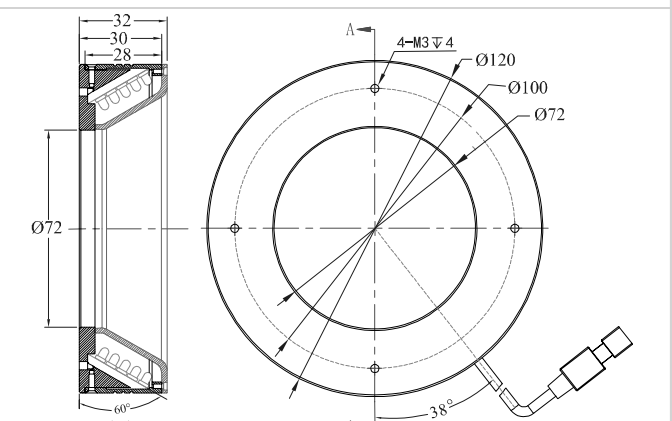
SBS-RL5060-X



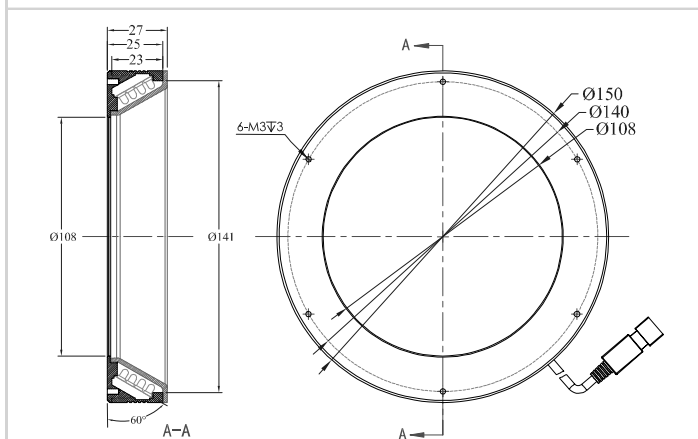
SBS-RL7060-X



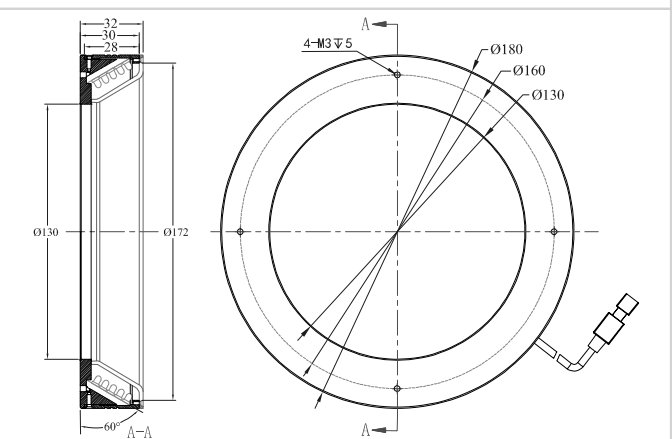
SBS-RL9060-X



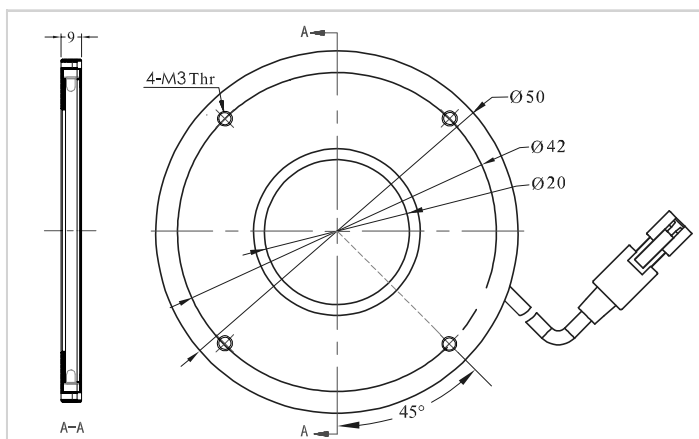
SBS-RL12060-X



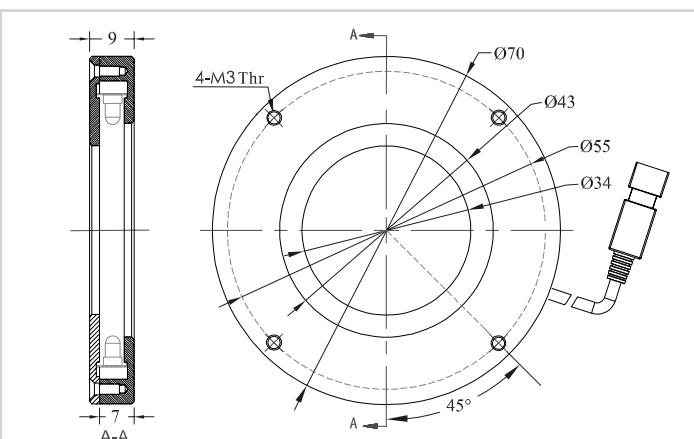
SBS-RL15060-X



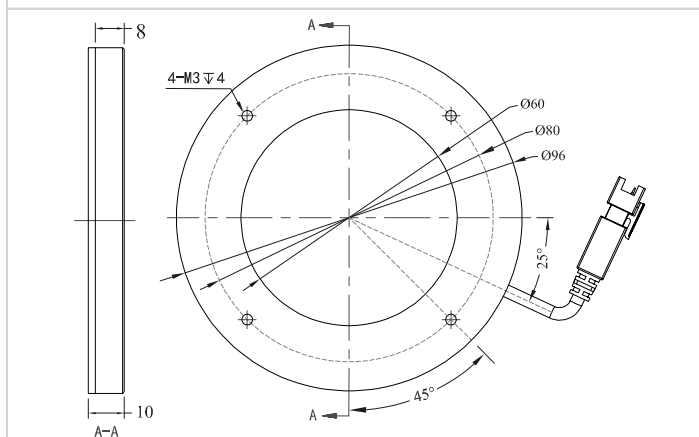
SBS-RL18060-X



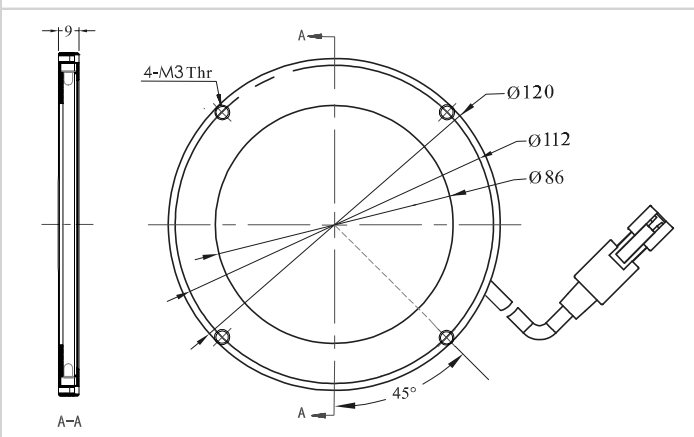
SBS-RL5090-X



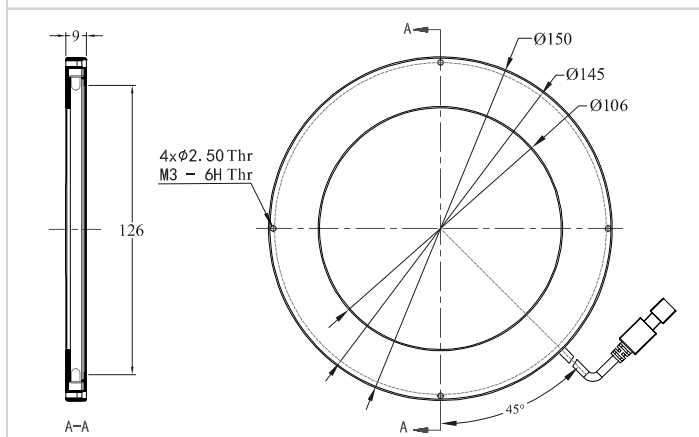
SBS-RL7090-X



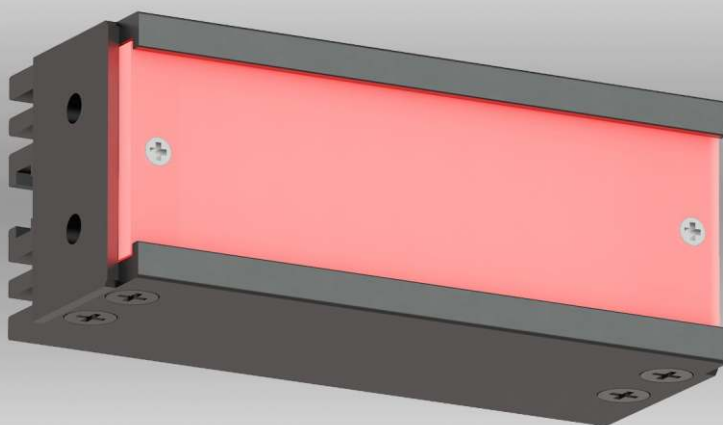
SBS-RL9690-X



SBS-RL12090-X



SBS-RL15090-X



Products Features

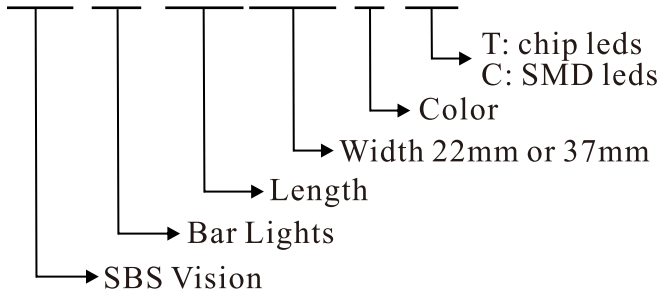
- ▶ Various lengths from mm to m.
- ▶ Lights can be combined freely.

Applications the light be used for

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

Model Description

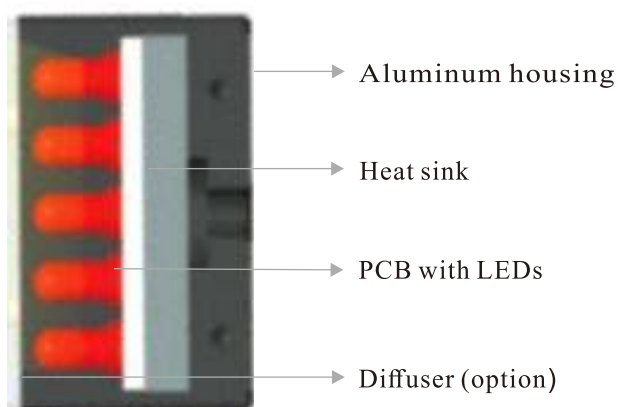
SBS-BL-XXX22/37-X-T/C



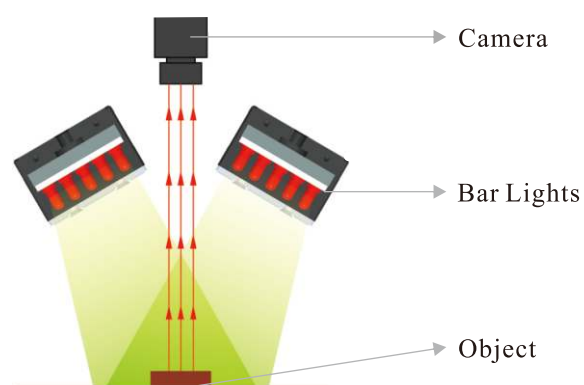
Customization

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

Structure



Components



Dimensions (mm)

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

Parameter

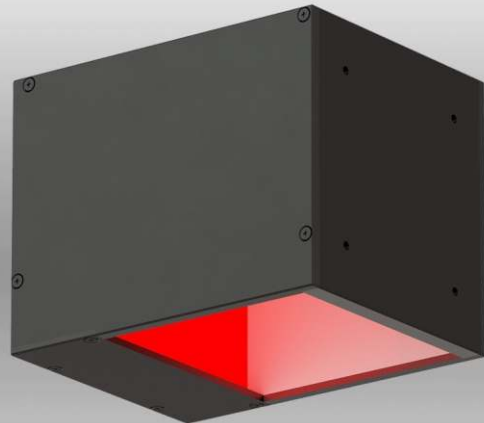
Item	Model	Power consumpiton Red Color	Power consumpiton (W,B,G)	Dimension L*W*H (mm)	Illumination size L*W (mm)	Option	Recommended Controller
1	SBS-BL5622-X-T/C	24V/0.72W	24V/1.08W	56*22*22	44*16	Diffuser	SBS-AC24XX-X (Analog controller) SBS-DC24XX-X (Digital controller) SBS-ODC48XX-X (Strobe controller)
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	

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	



Products Features

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

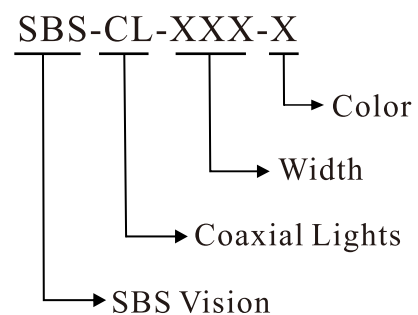
Customization

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

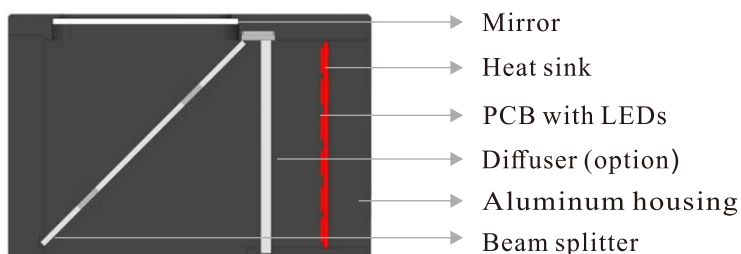
Applications the light be used for

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

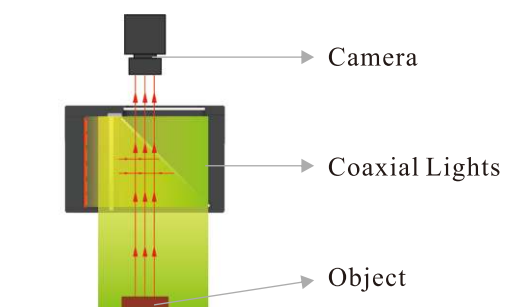
Model Description



Structure



Components

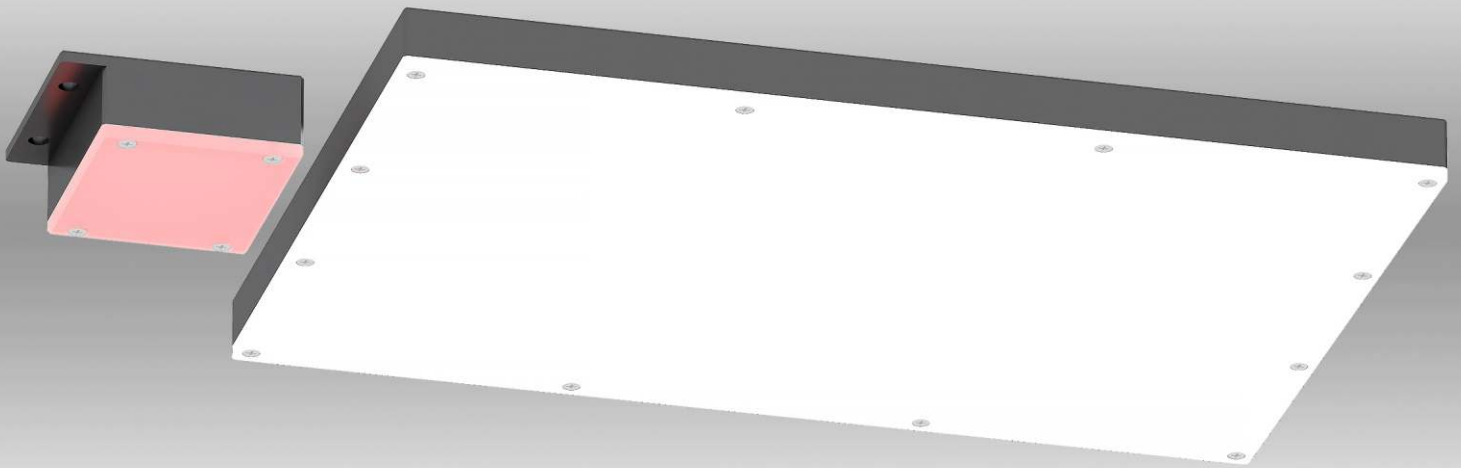


Parameter

Item	Model	Power consumpition Red Color	Power consumpition (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



Products Features

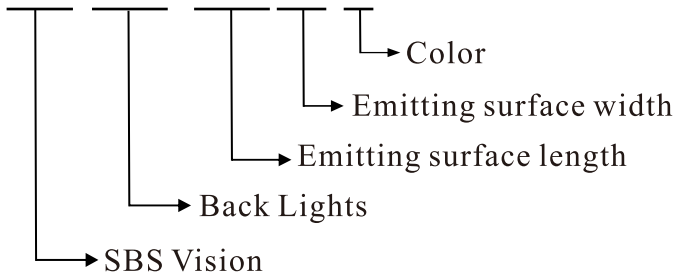
- ▶ High uniformity.
- ▶ Adding intensifying film, intensity can be increased by 20%~50%.
- ▶ Usually, be used for profile inspection.

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

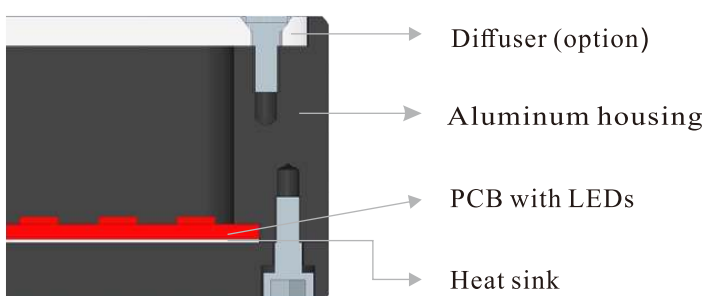
SBS-BAL-XXXXX-X



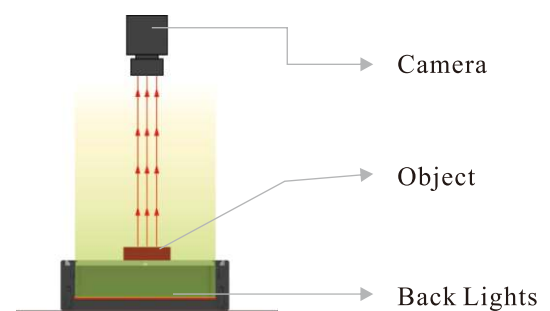
Customization

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

Structure



Components

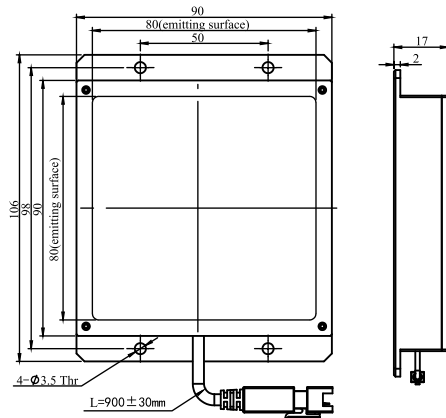


Parameter

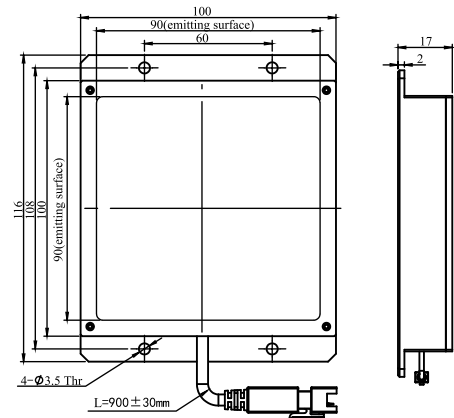
Item	Model	Power consumpiton Red Color	Power consumpiton (W,B,G)	Option	Extension cable	Recommended Controller
1	SBS-BAL2828-X	24V/1.0W	24V/1.58W	Diffuser	1m/3m/5m	SBS-AC24XX-X (Analog controller) SBS-DC24XX-X (Digital controller) SBS-ODC48XX-X (Strobe controller)
2	SBS-BAL3325-X	24V/0.86W	24V/1.44W	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)

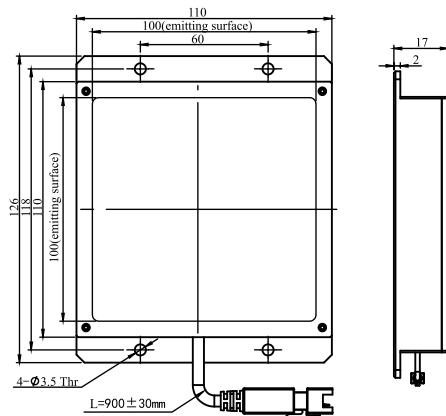
SBS-BAL2828-X	SBS-BAL3325-X
SBS-BAL5450-X	SBS-BAL7070-X



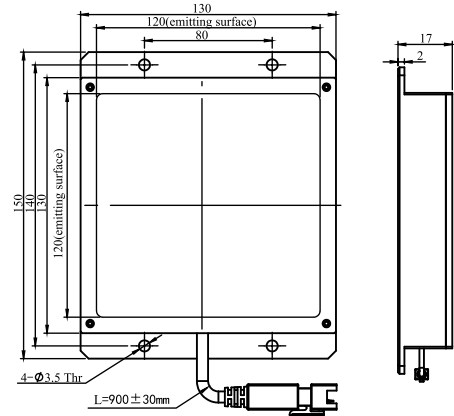
SBS-BAL8080-X



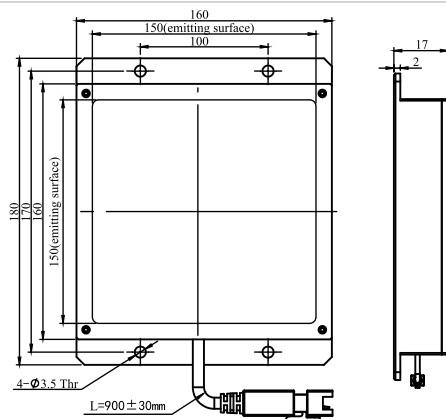
SBS-BAL9090-X



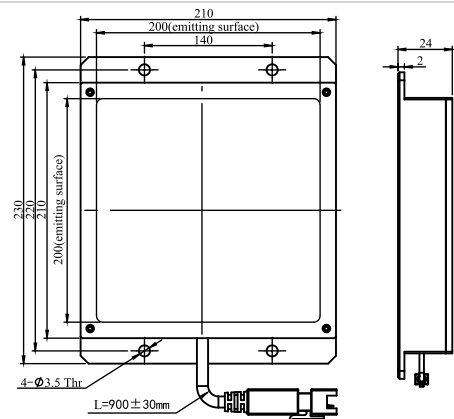
SBS-BAL100100-X



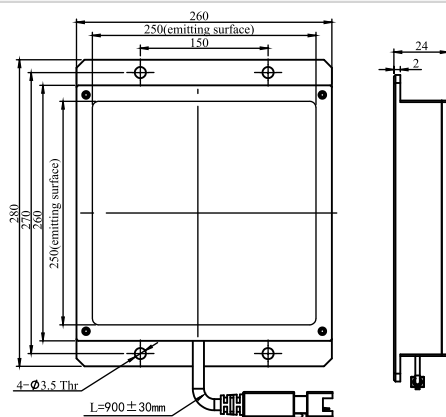
SBS-BAL120120-X



SBS-BAL150150-X



SBS-BAL200200-X



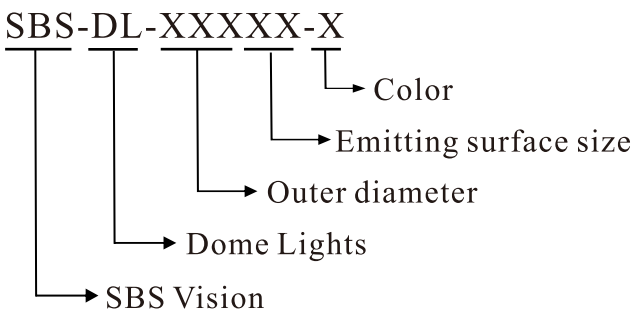
SBS-BAL250250-X



Products Features

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

Model Description



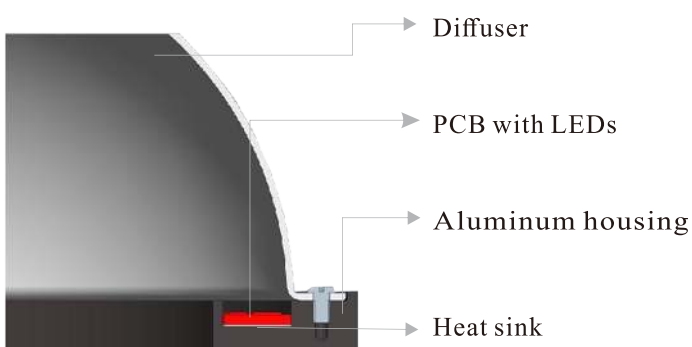
Applications the light be used for

- 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.

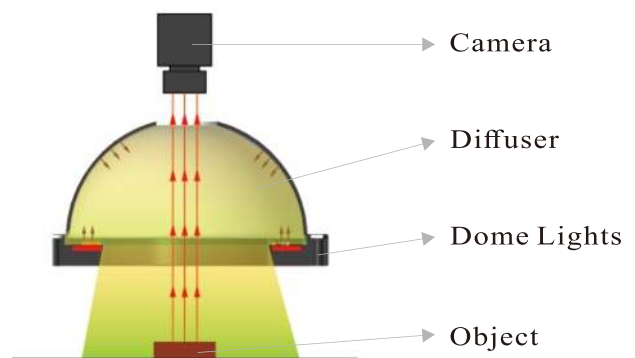
Customization

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

Structure



Components

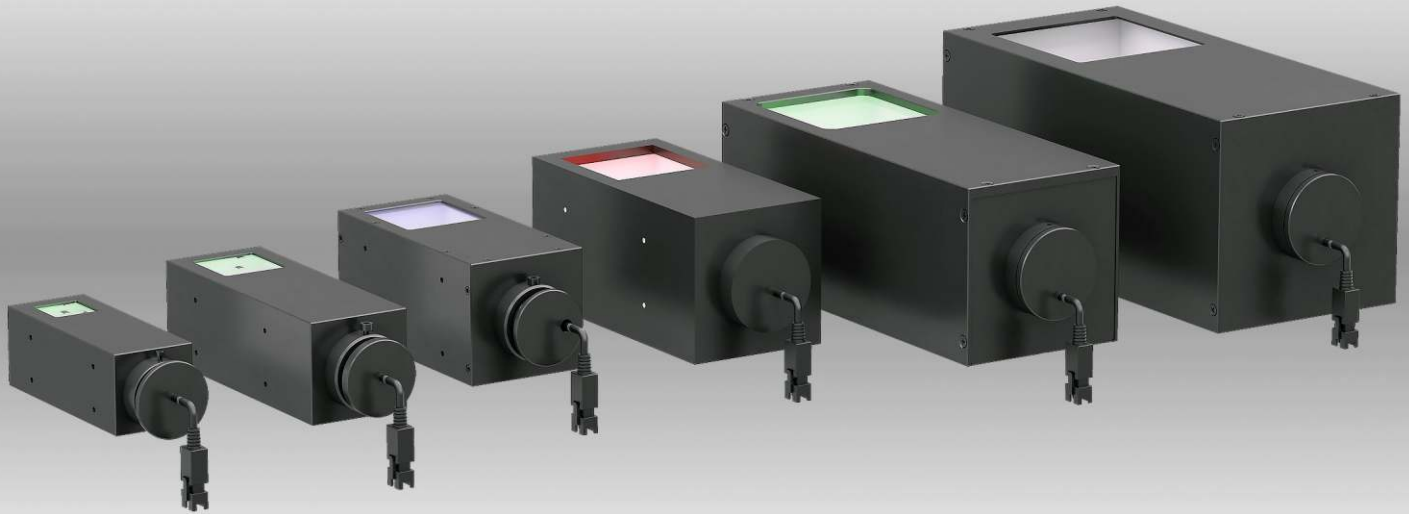


Parameter

Item	Model	Power consumpition Red Color	Power consumpition (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



Products Features

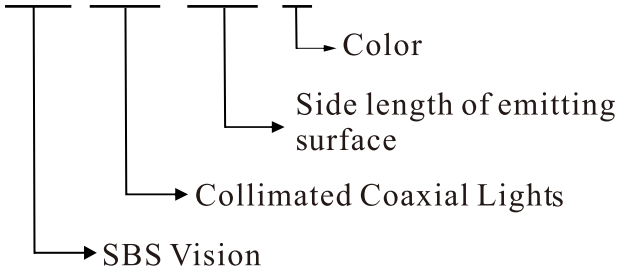
- ▶ Using high power LEDs.
- ▶ Using special lens module to make light be parallel.
- ▶ Suitable for defects inspection of reflective surface and laser mark.

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 characters inspection.
- Minor scratch inspection for Ipad, Ipod and Iphone.

Model Description

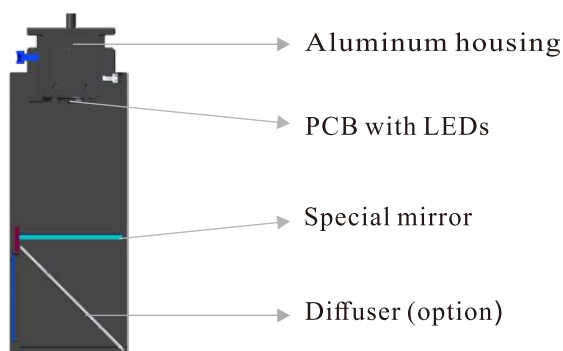
SBS-CCL-XXX-X



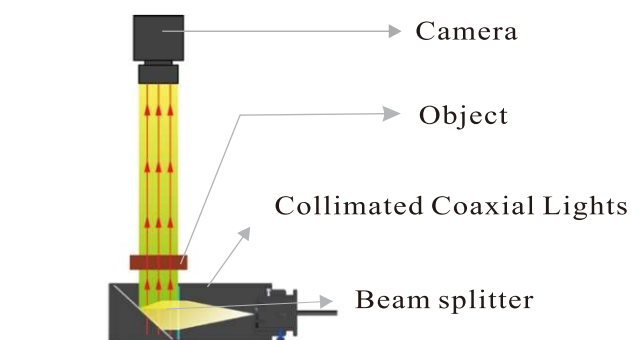
Customization

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

Structure



Components

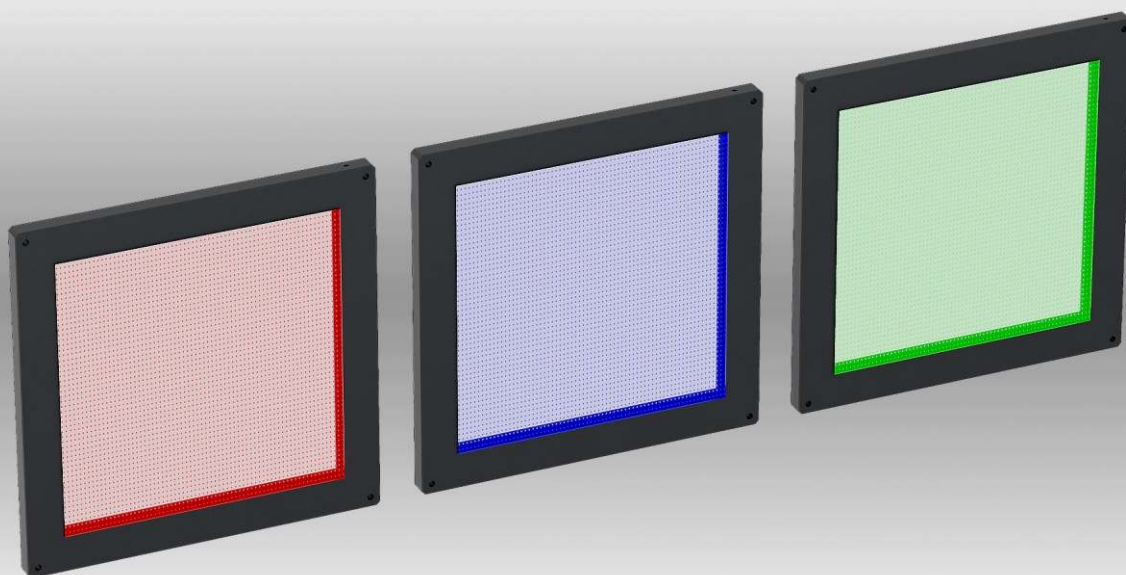


Parameter

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



Products Features

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

Customization

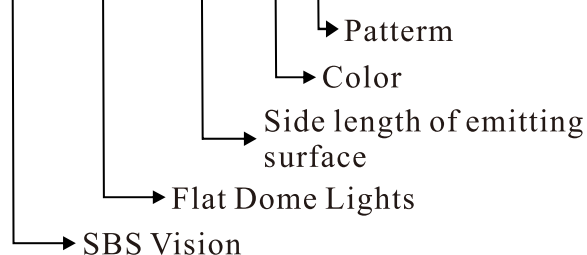
- Pattern
- Color
- Connector
- Cable length
- Power
- Mounting
- Dimensions

Applications the light be used for

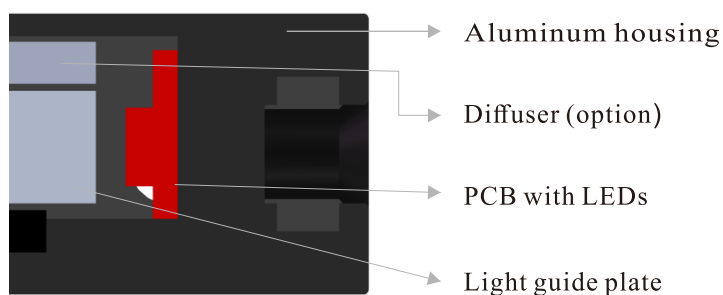
- Defects inspection of a little reflective metal.
- Characters inspection of arc surface.
- Pin inspection of electronic components.
- Surface inspection of packing bag and film.

Model Description

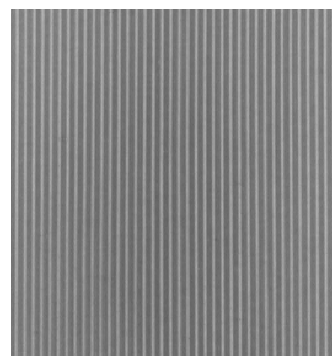
SBS-FDL-XXX-X-X



Structure



Line Pattern



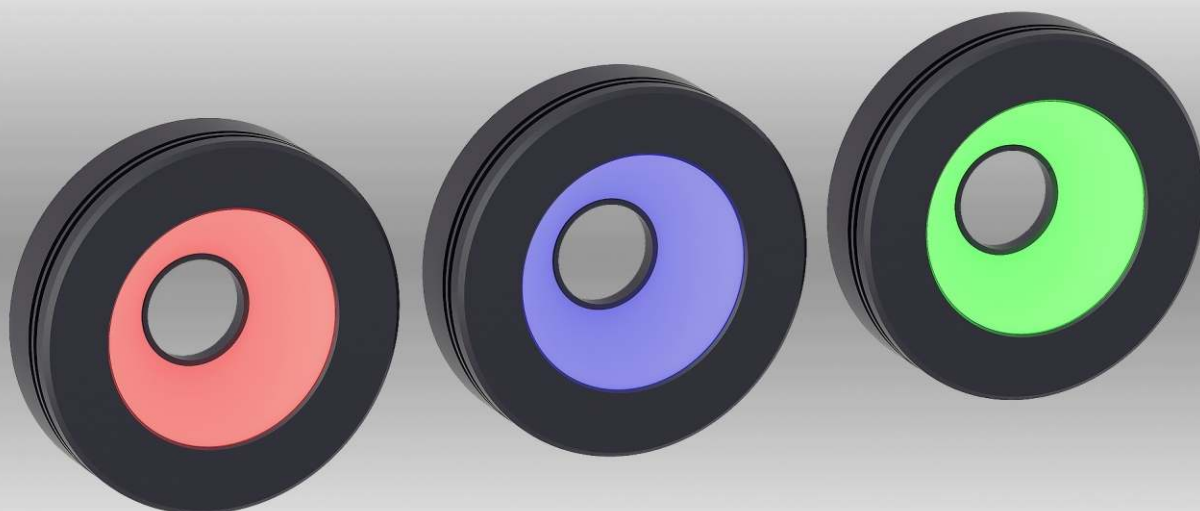
Parameter

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	

Low Angle Ring Lights SBS-RLLA series

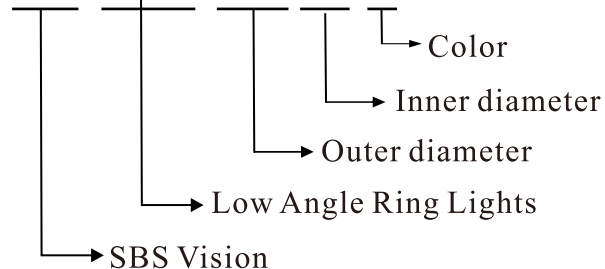


Products Features

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

Model Description

SBS-RLLA-XXXXX-X



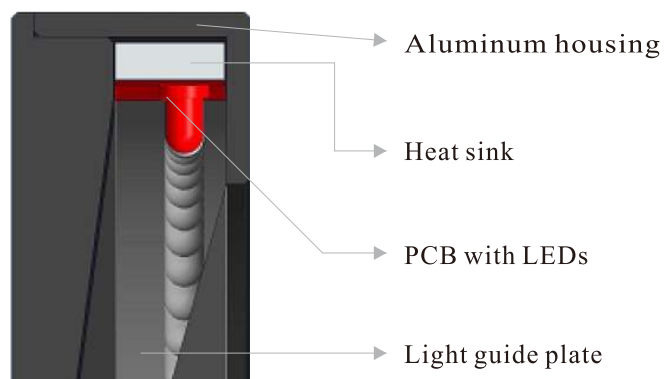
Applications the light be used for

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

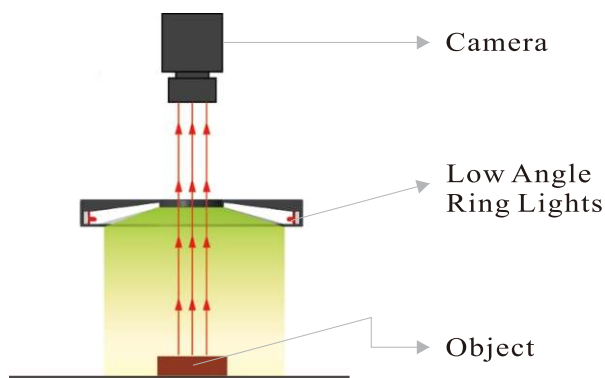
Customization

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

Structure



Components

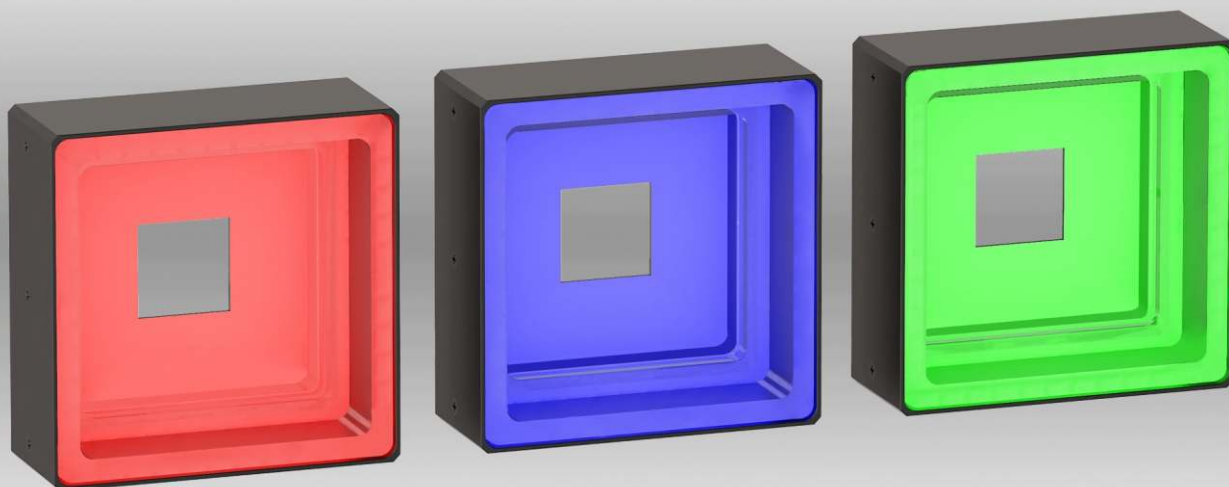


Parameter

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)

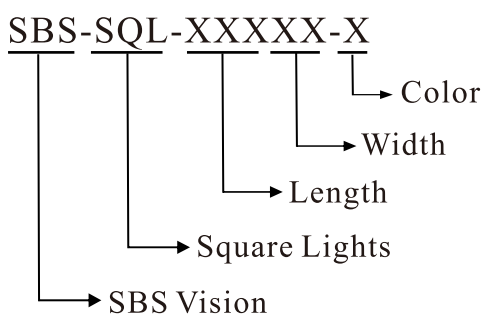
SBS-RLLA6018	SBS-RLLA7420
SBS-RLLA11644	SBS-RLLA16044



Products Features

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

Model Description



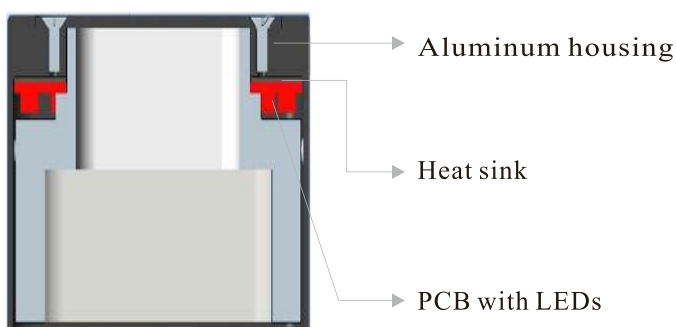
Applications the light be used for

- 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.

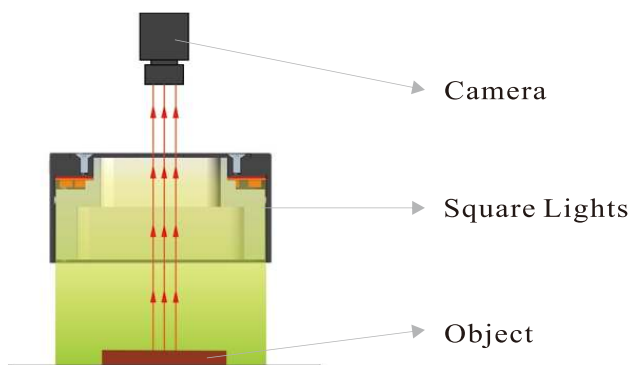
Customization

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

Structure



Components

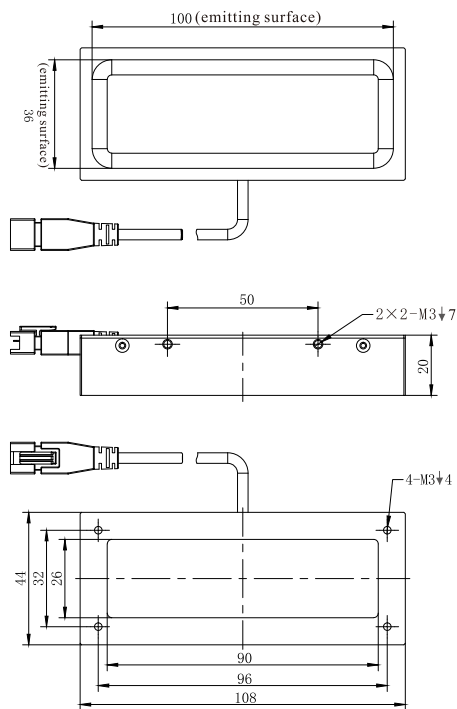


Parameter

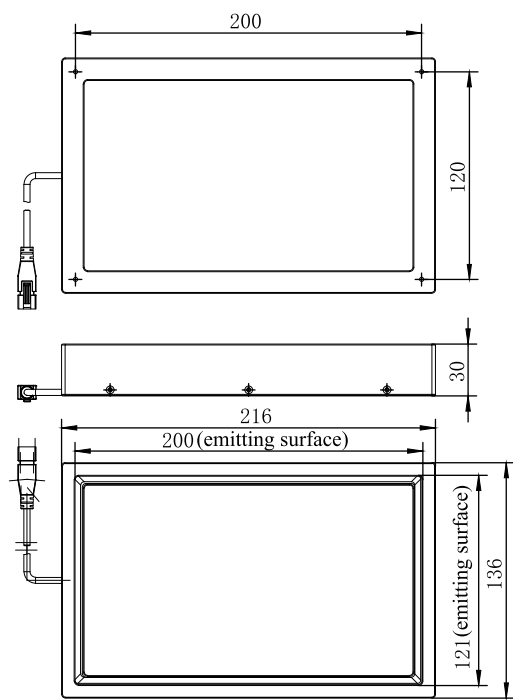
Item	Model	Power consumption Red Color	Power consumption (W,B,G)	Option	Extension cable	Recommended Controller
1	SBS-SQL4848	24V/1.6W	24V/2.1W	Diffuser	1m/3m/5m	SBS-AC24XX-X (Analog controller) SBS-DC24XX-X (Digital controller) SBS-ODC48XX-X (Strobe controller)
2	SBS-SQL7575	24V/2.1W	24V/3.1W	Diffuser	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)

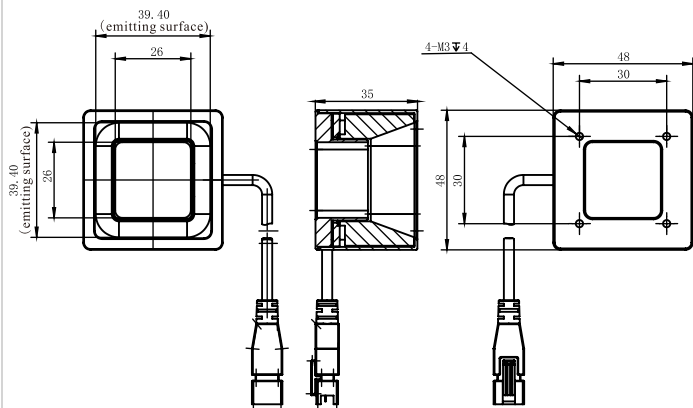
SBS-SQL4848	SBS-SQL7575
SBS-SQL9696	SBS-SQL120120



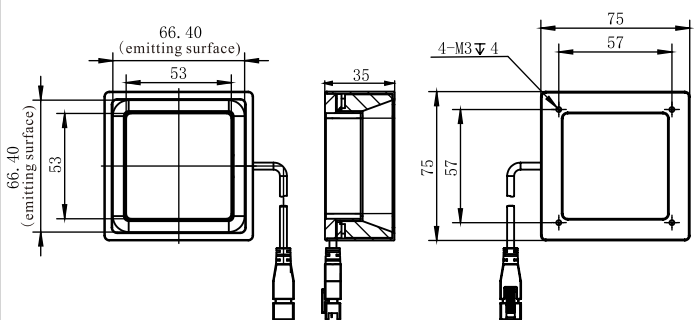
SBS-SQL10844



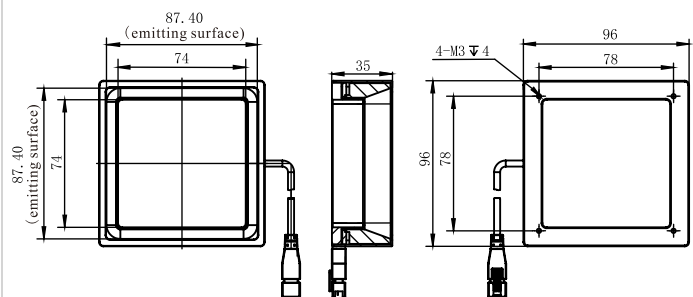
SBS-SQL216316



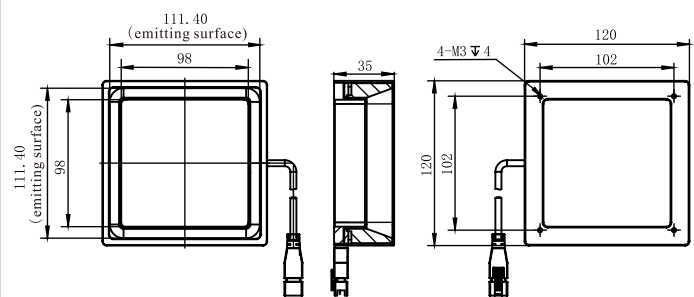
SBS-SQL2-4848



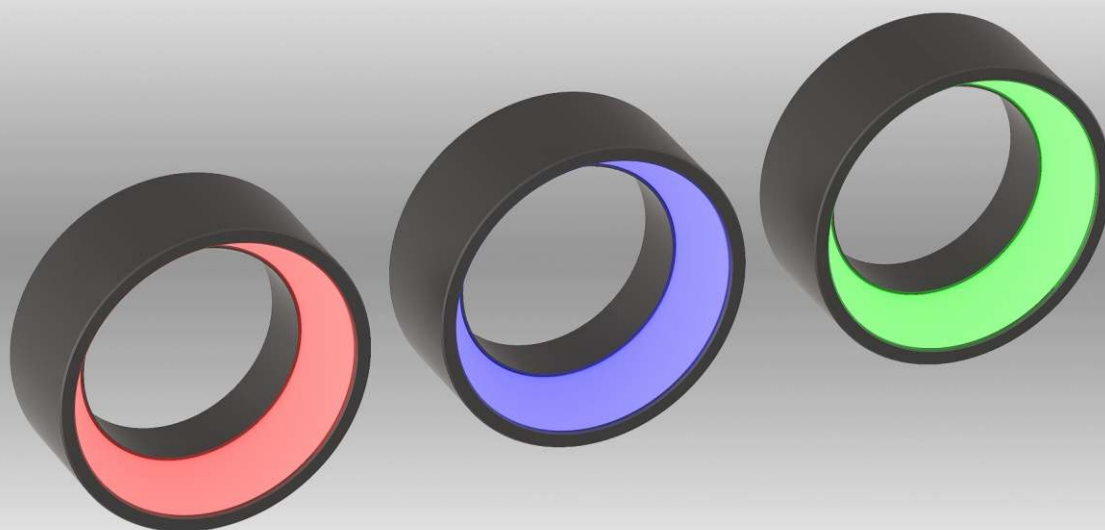
SBS-SQL2-7575



SBS-SQL2-9696



SBS-SQL2-120120

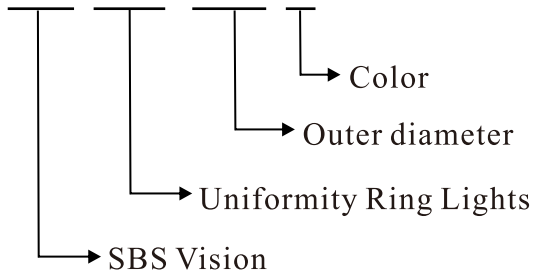


Products Features

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

Model Description

SBS-RLU-XXX-X



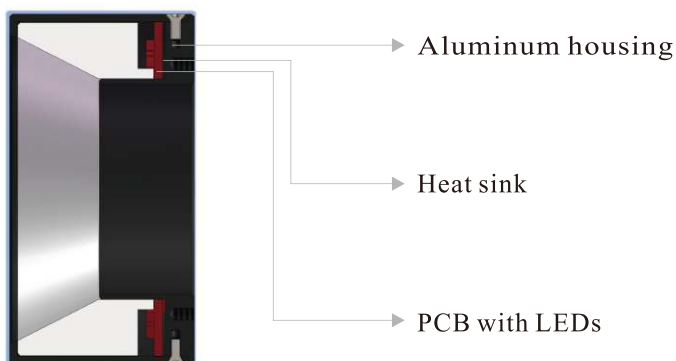
Applications the light be used for

- 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.

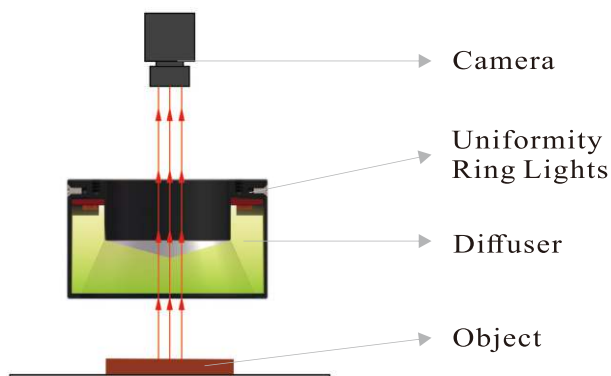
Customization

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

Structure



Components

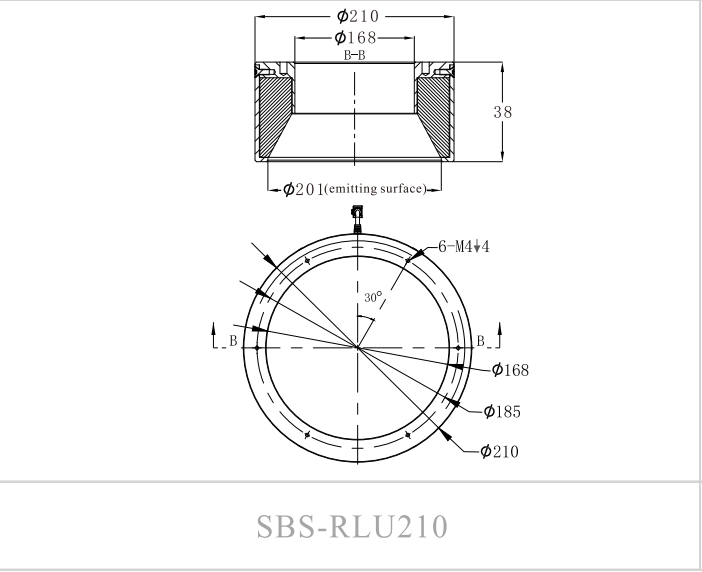
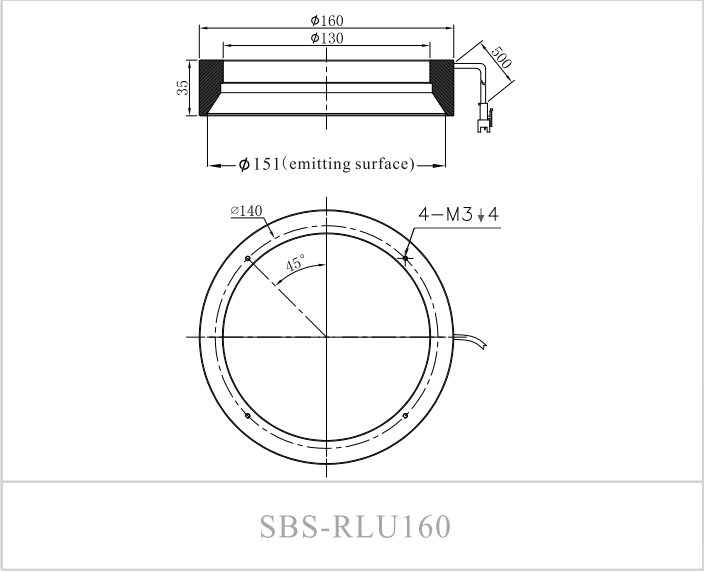


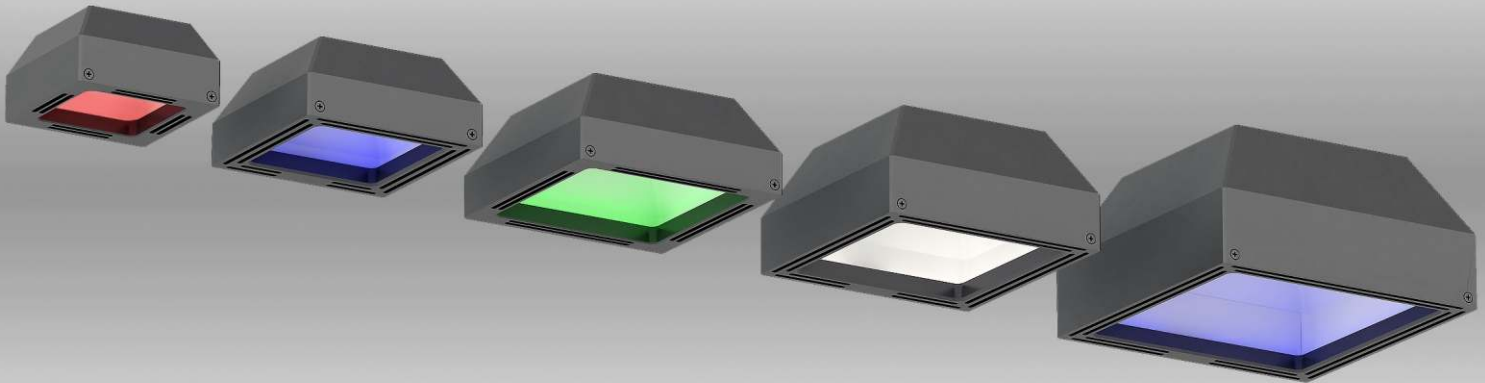
Parameter

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





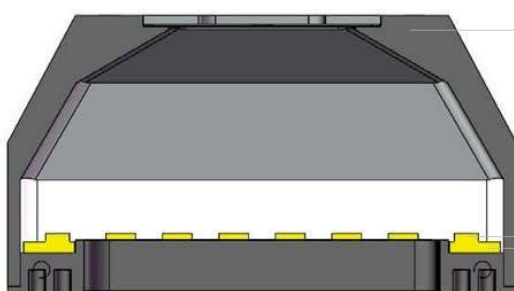
Products Features

- ▶ 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.

Customization

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

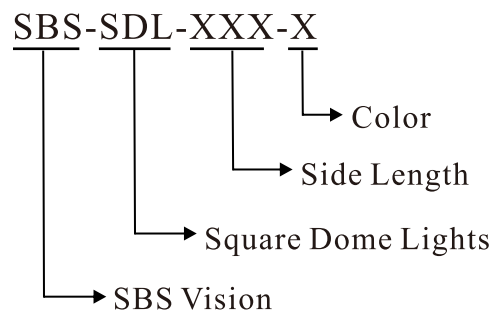
Structure



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.

Model Description

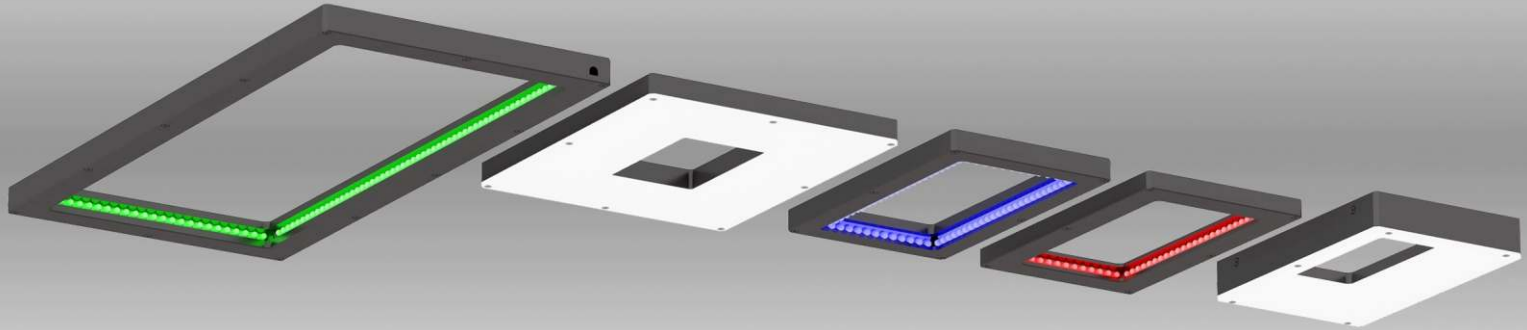


Parameter

Item	Model	Power consumpton Red Color	Power consumpton (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



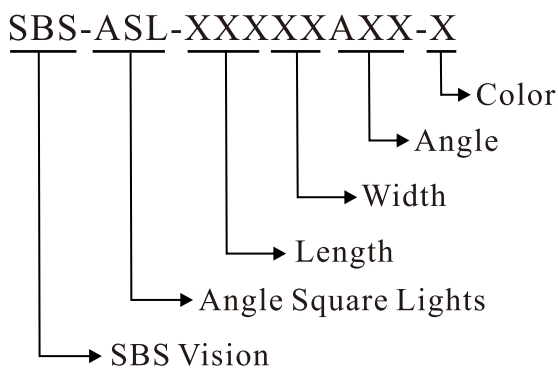
Products Features

- ▶ 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.

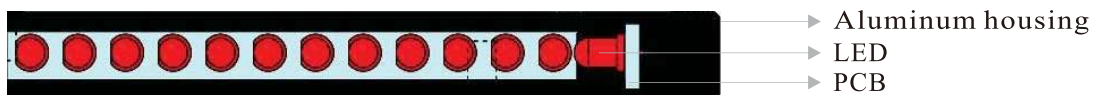
Model Description



Customization

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

Structure

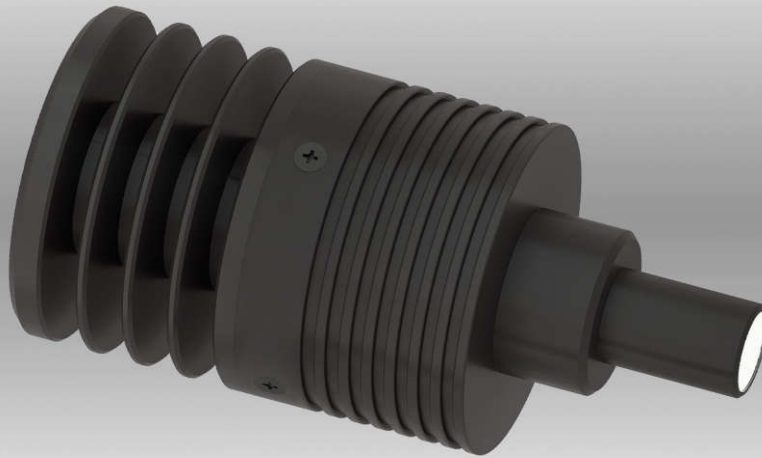


Parameter

Item	Model	Power consumpition Red Color	Power consumpition (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



Products Features

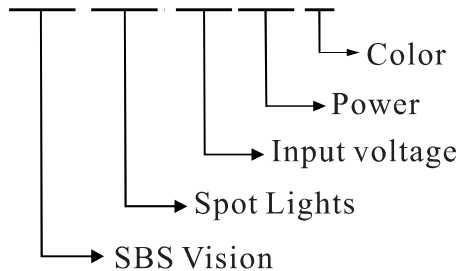
- ▶ Using special optical lens design to increase the intensity.
- ▶ Compatible with telecentric lens to get good image result.

Applications the light be used for

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

Model Description

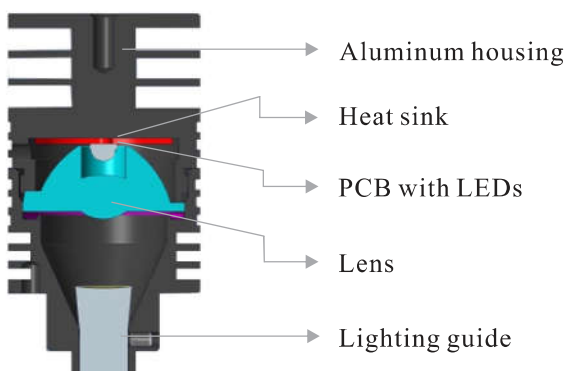
SBS-SPL-XXXX-X



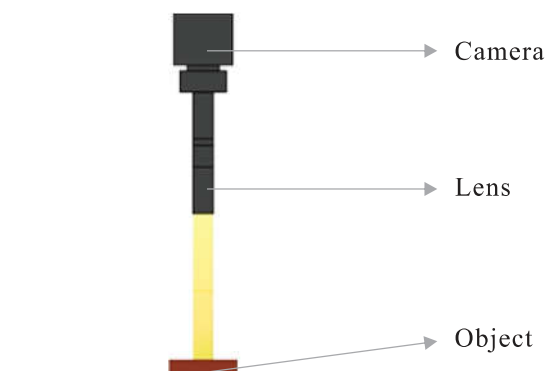
Customization

- Dimensions
- Color
- Power
- Mounting
- Cable length

Structure



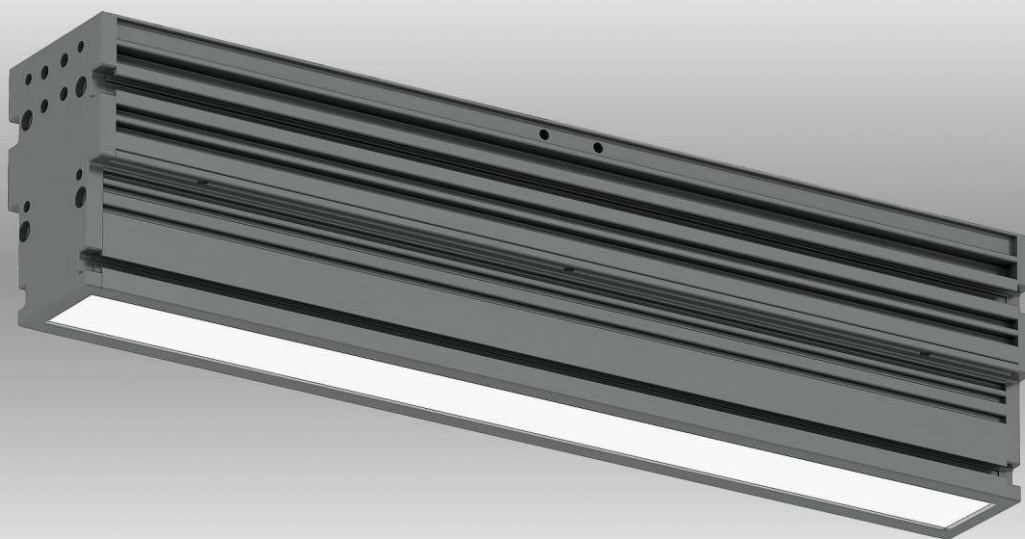
Components



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)
2	SBS-SPL0503	5V/3.0W	5V/3.0W	Diffuser	1m/3m/5m	SBS-DC5 (Digital Controller)

Technical drawings of the SBS-SPL0501 and SBS-SPL0503 sensors. The drawings show the side view and the emitting surface (Ø7) for both models. The dimensions are as follows:

- SBS-SPL0501:**
 - Side view dimensions: 12, 8, 50, 21, 14, 300.
 - Top view dimensions: 14, 300.
 - Mounting holes: 2-M3 (for installation).
- SBS-SPL0503:**
 - Side view dimensions: 12, 8, 58, 21, 14, 300.
 - Top view dimensions: 14, 300.
 - Mounting holes: 2-M3 (for installation).

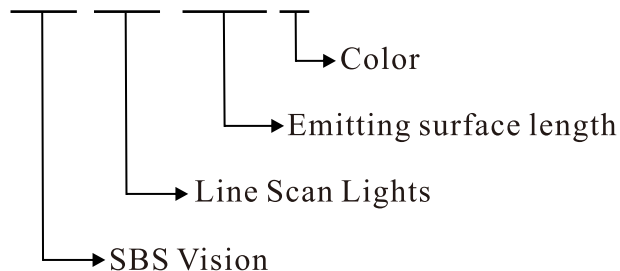


Products Features

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

Model Description

SBS-LSL-XXX-X



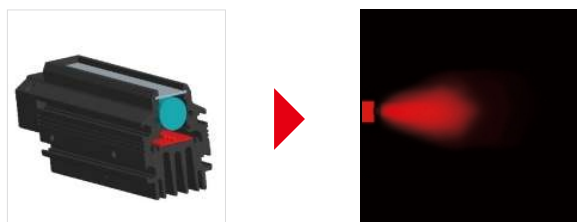
Applications the light be used for

- 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.

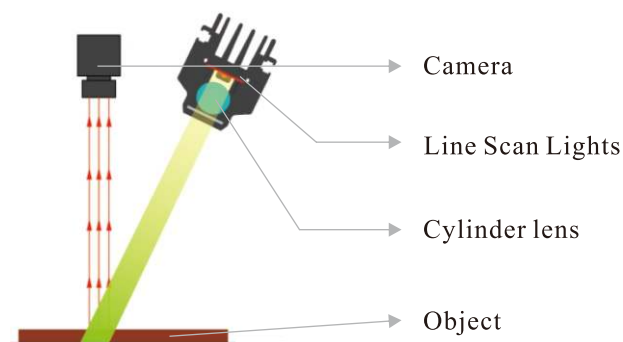
Customization

- Length
- Mounting
- Cable length
- Power
- Color

Standard Line Scan Lights Illumination



Components

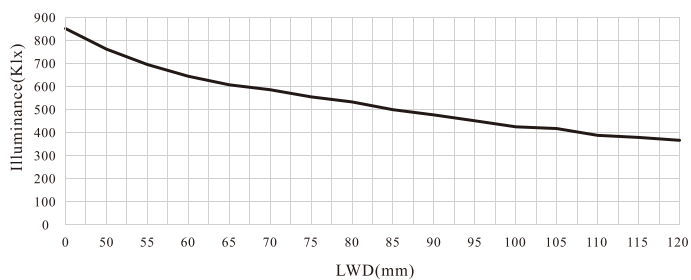


Parameter

Item	Model	Power consumpition 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

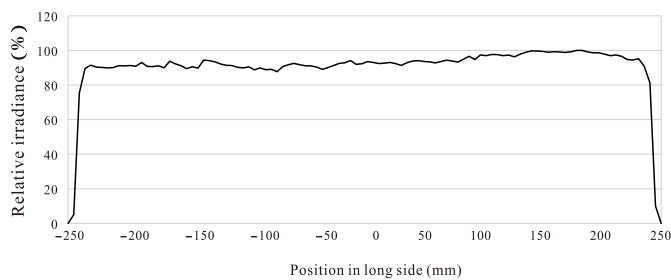
Take SBS-LSL500-W as a example



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

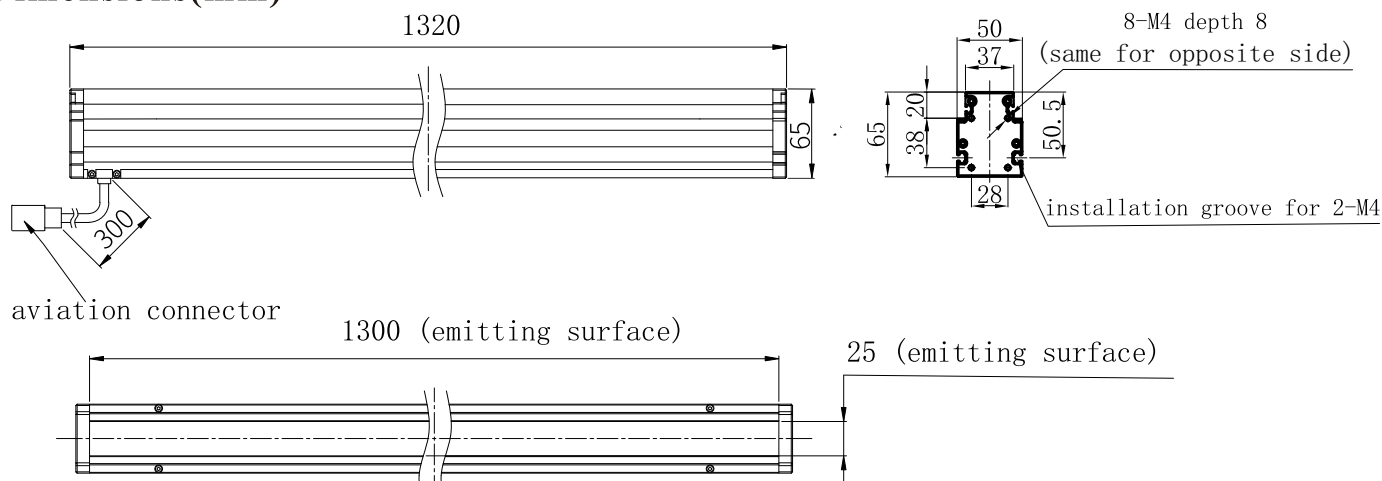
Uniformity

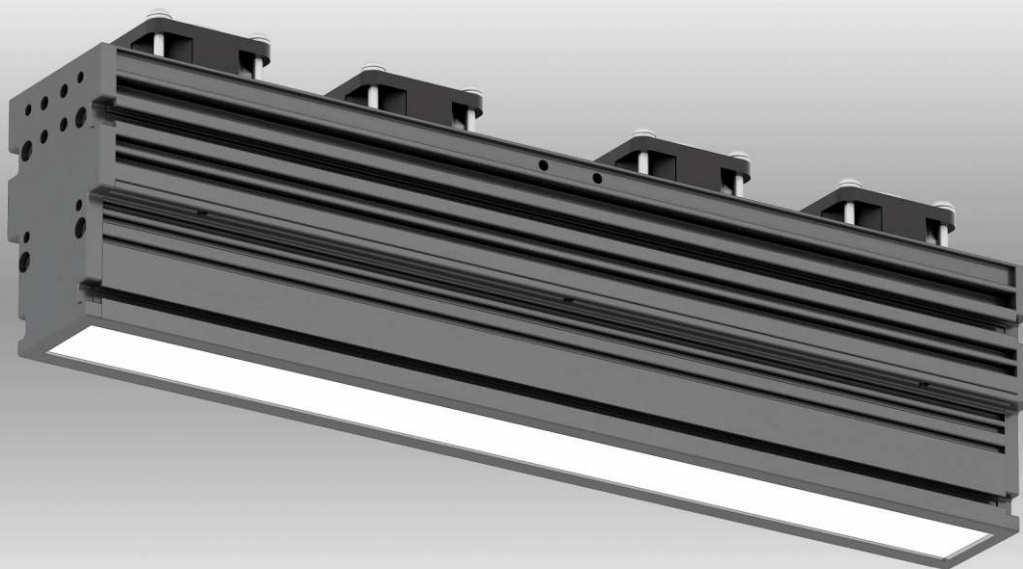
Take SBS-LSL500-W as a example



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

Dimensions(mm)





Products Features

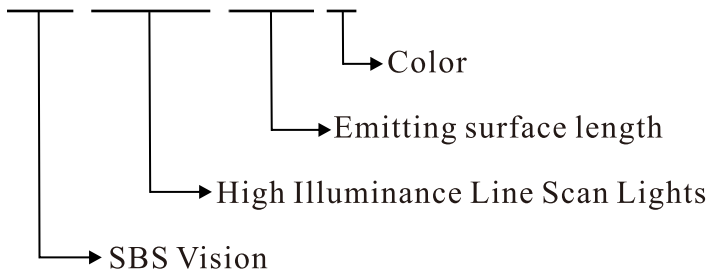
- ▶ Using high power LEDs.
- ▶ LWD can be 50~200mm.
- ▶ Illuminance can be three million lux.

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

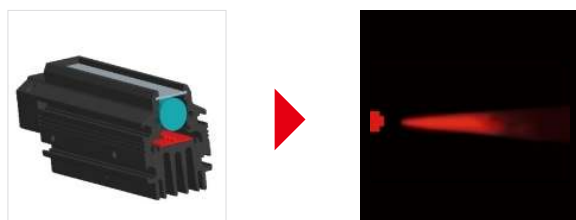
SBS-LSLHI-XXX-X



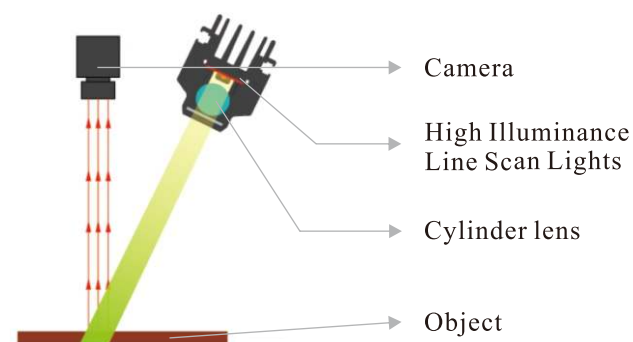
Customization

- Length
- Cable length
- Mounting
- Power
- Color

Standard Line Scan Lights Illumination



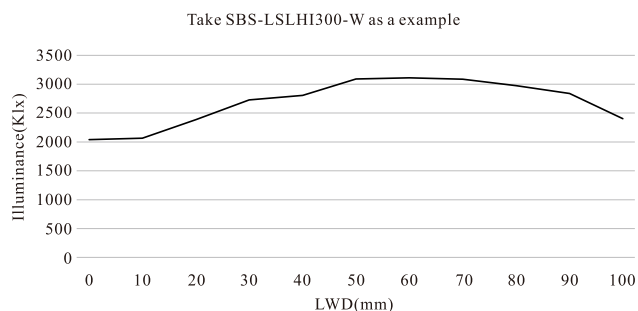
Components



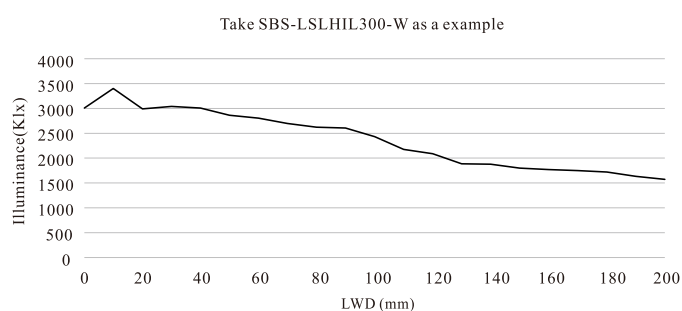
Parameter

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

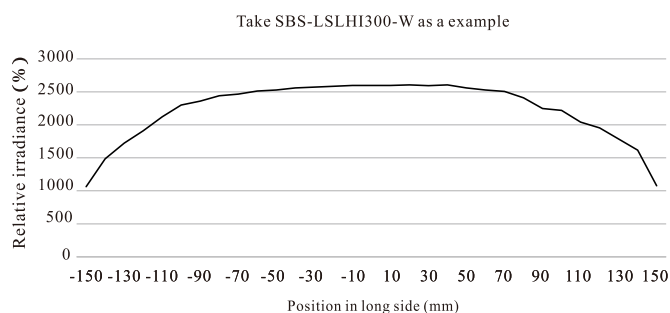


Measure value at 100% intensity in each LWD, results may vary.

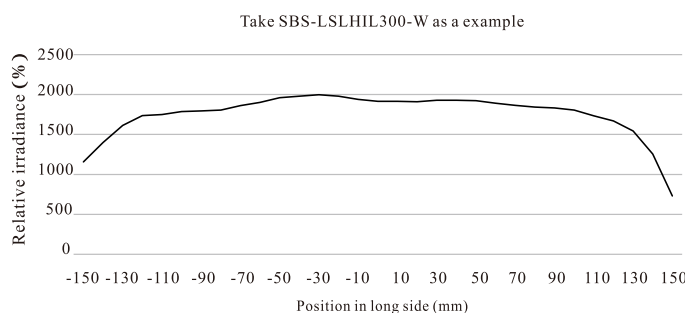


Measure value at 100% intensity in each LWD, results may vary.

Uniformity

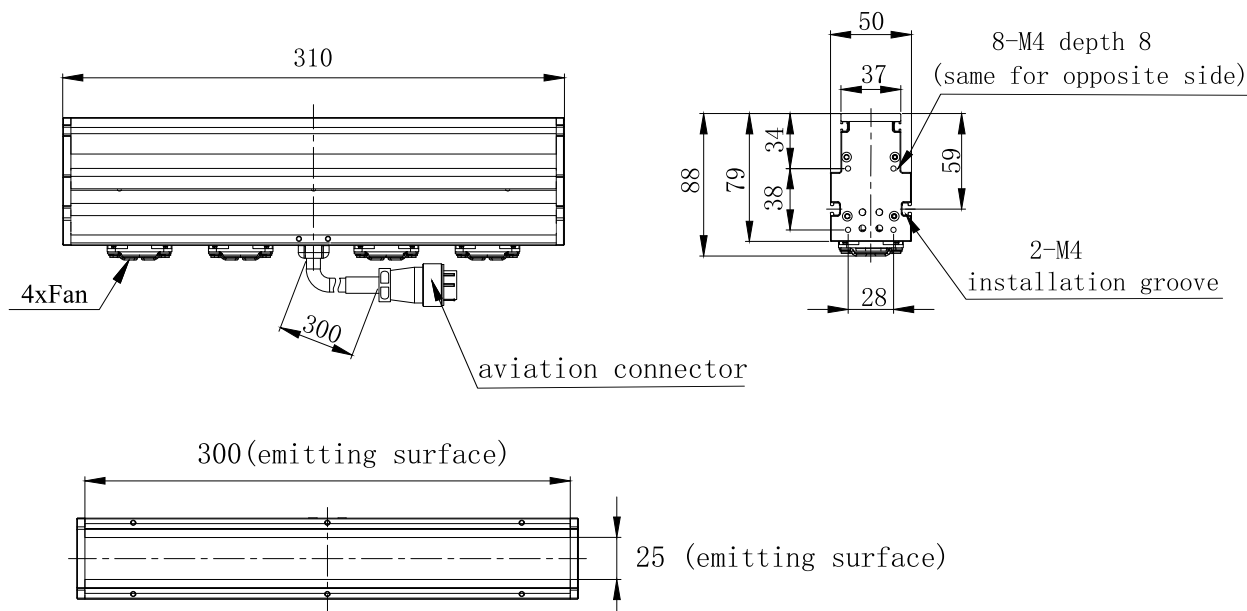


Measure value at 100% intensity in the LWD of 100mm, results may vary.

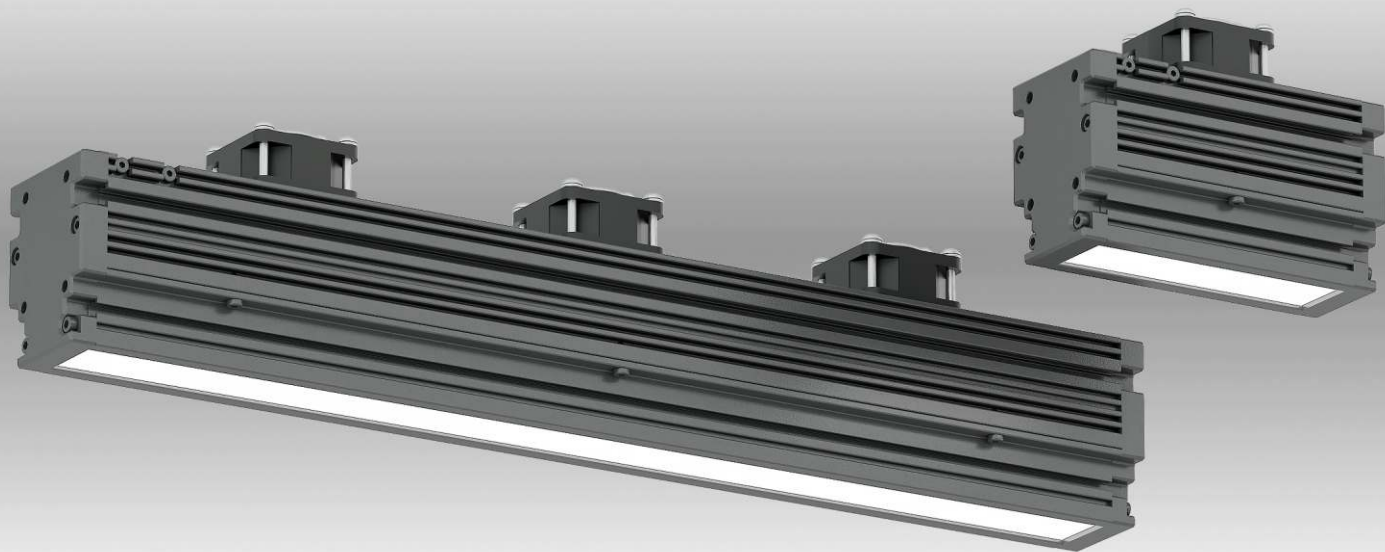


Measure value at 100% intensity in the LWD of 100mm, results may vary.

Dimensions(mm)



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

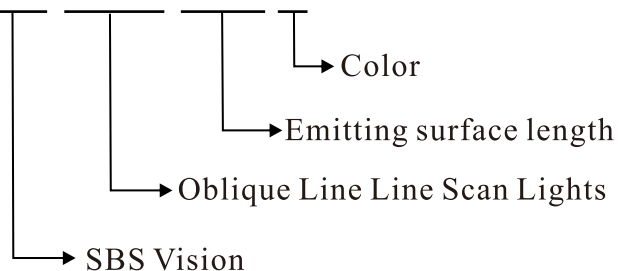
- Film scratches inspection.
- Glass panel surface defects inspection.

Customization

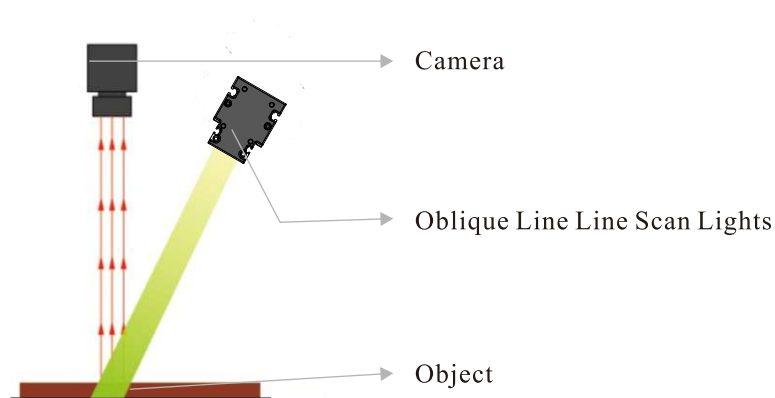
- Length
- Mounting
- Cable length
- Power
- Color

Model Description

SBS-LSLX-XXX-X



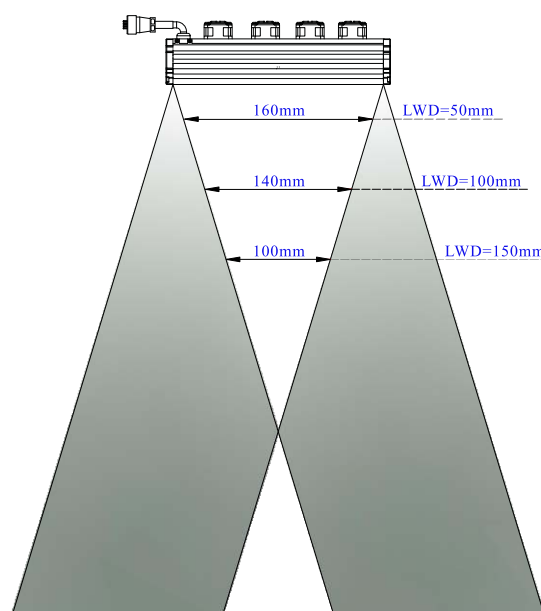
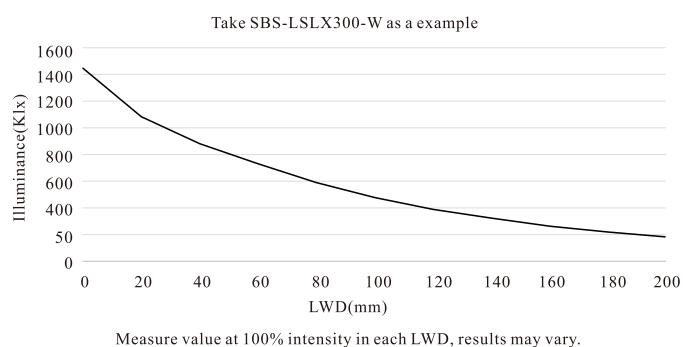
Components



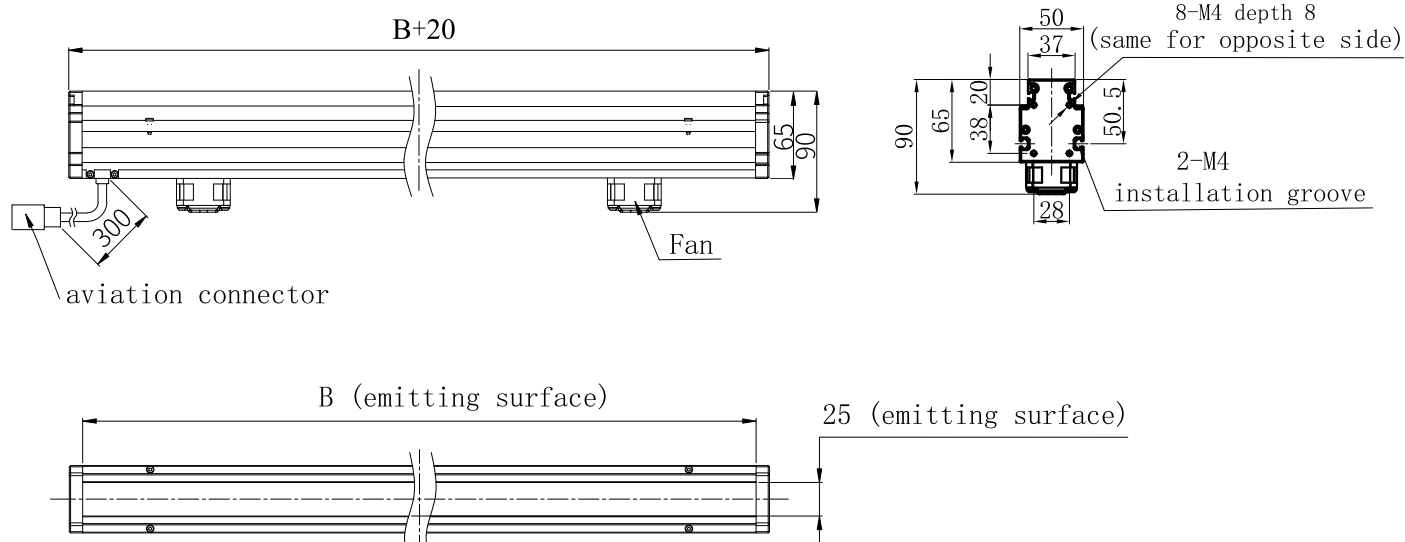
Parameter

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



Dimensions(mm)





Products Features

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

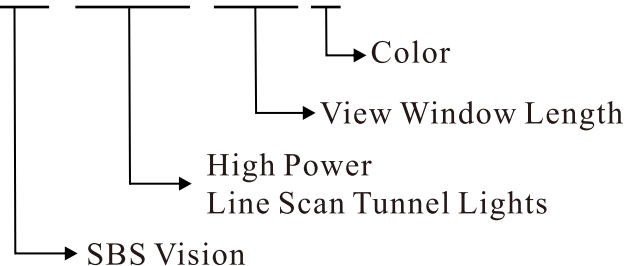
Applications the light be used for

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

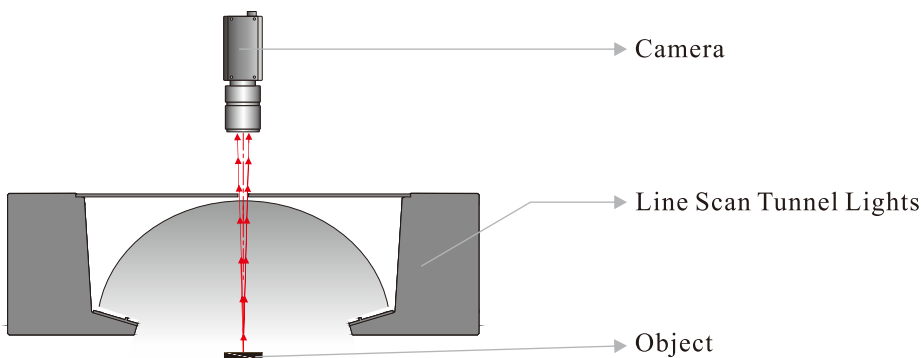
Customization

- Dimensions
- Power
- Color
- Cable length
- Mounting

SBS-TULHP-XXX-X



Components



Parameter

Item No.	Model	Power consumpition 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	

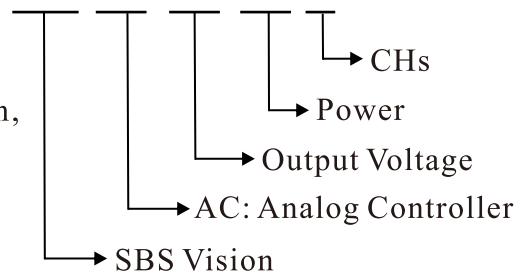


Products Features

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

Model Description

SBS-AC-XX-XX-X

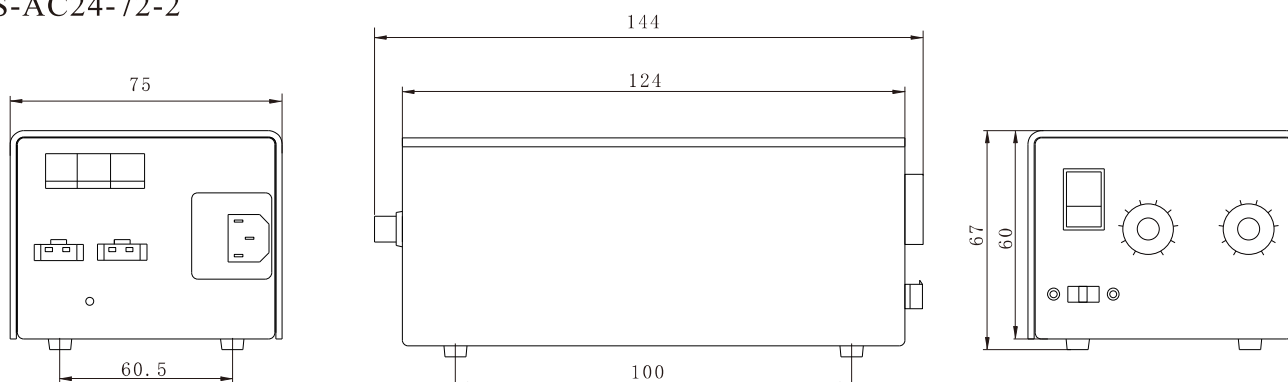


Parameter

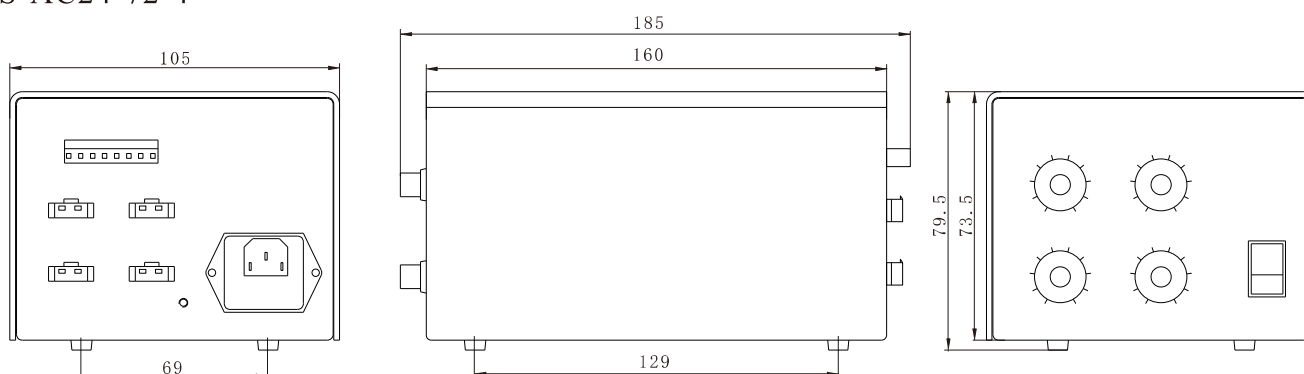
Model Item	SBS-AC24-72-2	SBS-AC24-72-4	SBS-AC24-124-4	SBS-AC5-15-2
Output way	constant voltage			
Intensity adjust	manual operation			
Input voltage	AC100-240V 50/60HZ			
Channels	2	4	4	2
Output voltage/current	24V, 1A (single max 1A)	24V, 2.5A (single max 2.5A)	24V, 5A (single max 1.5A)	5V, 3A (single 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

Dimensions(mm)

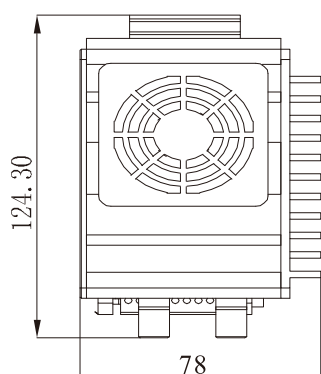
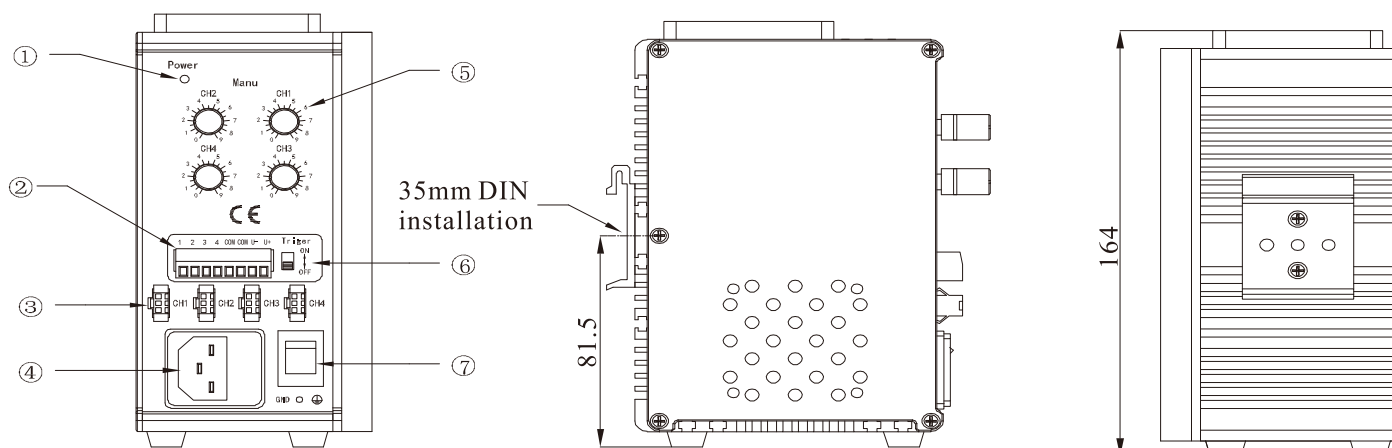
SBS-AC24-72-2



SBS-AC24-72-4

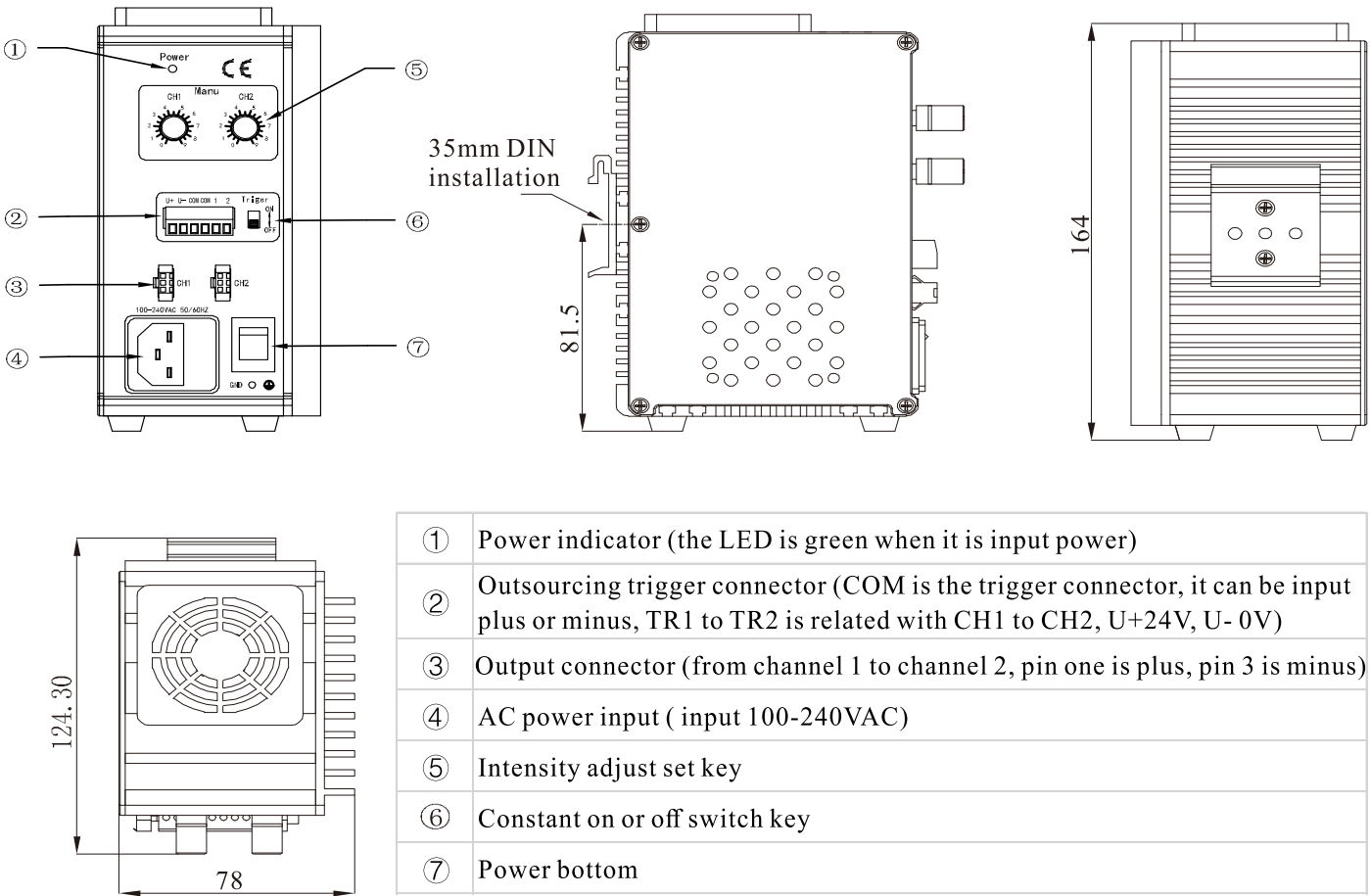


SBS-AC24-124-4



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

SBS-AC5-15-2



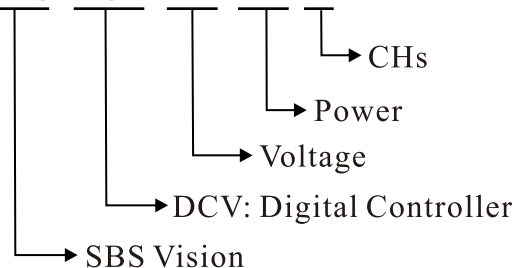


Products Features

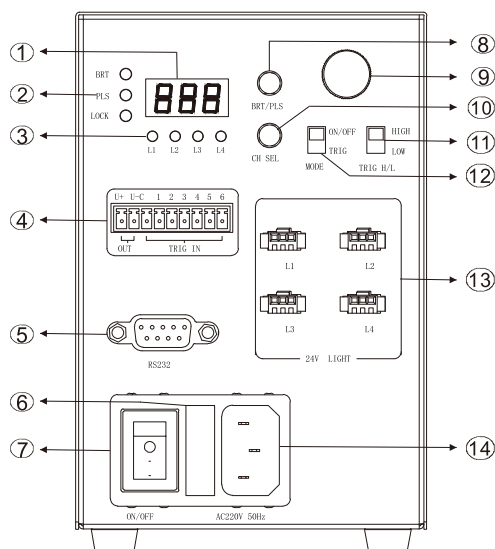
- ▶ RS-232/EIA-485 communication.
- ▶ PMW control, short trig response time.
- ▶ Channels can be controlled individually, communication command can be combined by one code or series of codes.
- ▶ External trig signal can control the Light ON/OFF and the time of lighting.
- ▶ The intensity can be adjusted 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



Panel description

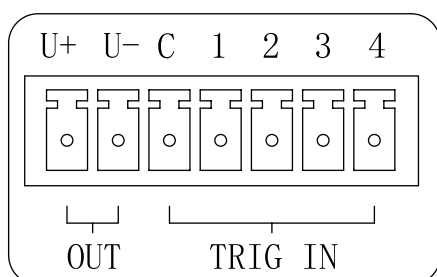


No.	Keys	Description
①	Digital screen	\
②	Function indicator lamp	BRT:intensity level adjust; PLS:strobe time; LOCK: lock
③	Channel indicator lamp	CH1~CH4/CH1~CH6
④	External trigger connector	\
⑤	Communication connector	RS-232/EIA-485
⑥	Fuse	\
⑦	ON/OFF switch	ON/OFF
⑧	Mode select key	BRT:intensity level 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

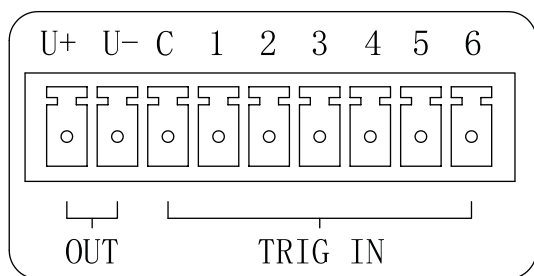
Parameter

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



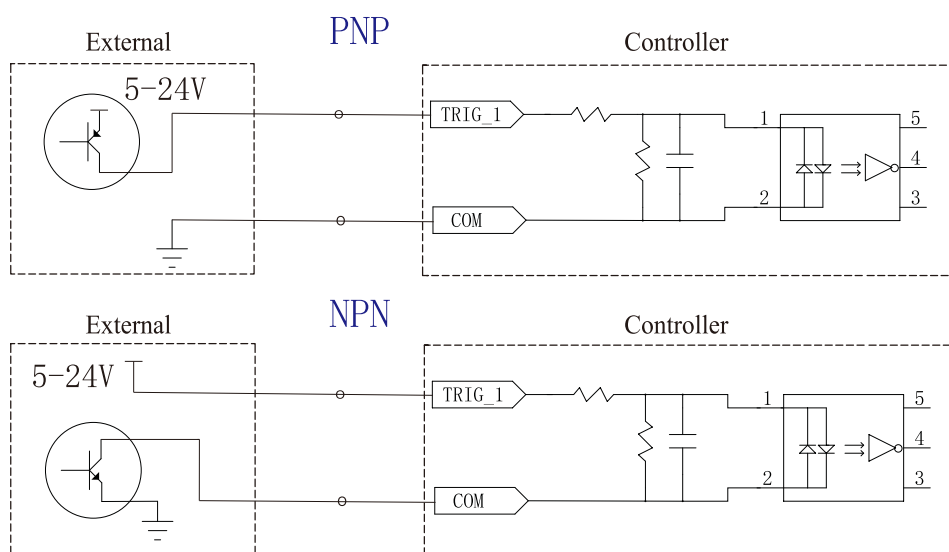
Pin	Description	
C	Common	polarity-free, bipolar transmission
1	Trigger input for CH1	
2	Trigger input for CH2	
3	Trigger input for CH3	
4	Trigger input for CH4	
U+	5v/200mA output	output +
U-		output -



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 -

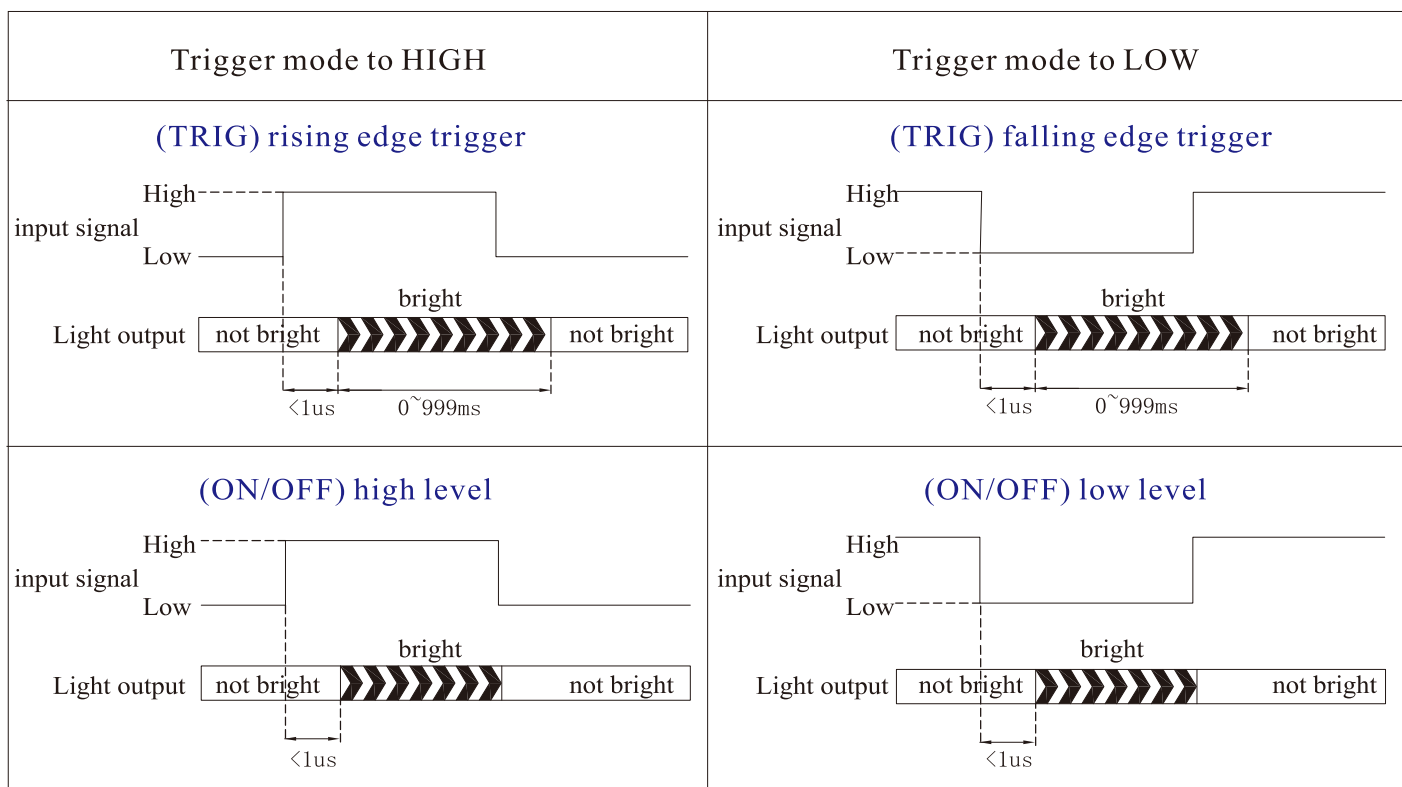
Control mode and lighting mode

Trigger input method (take L1 as a example)



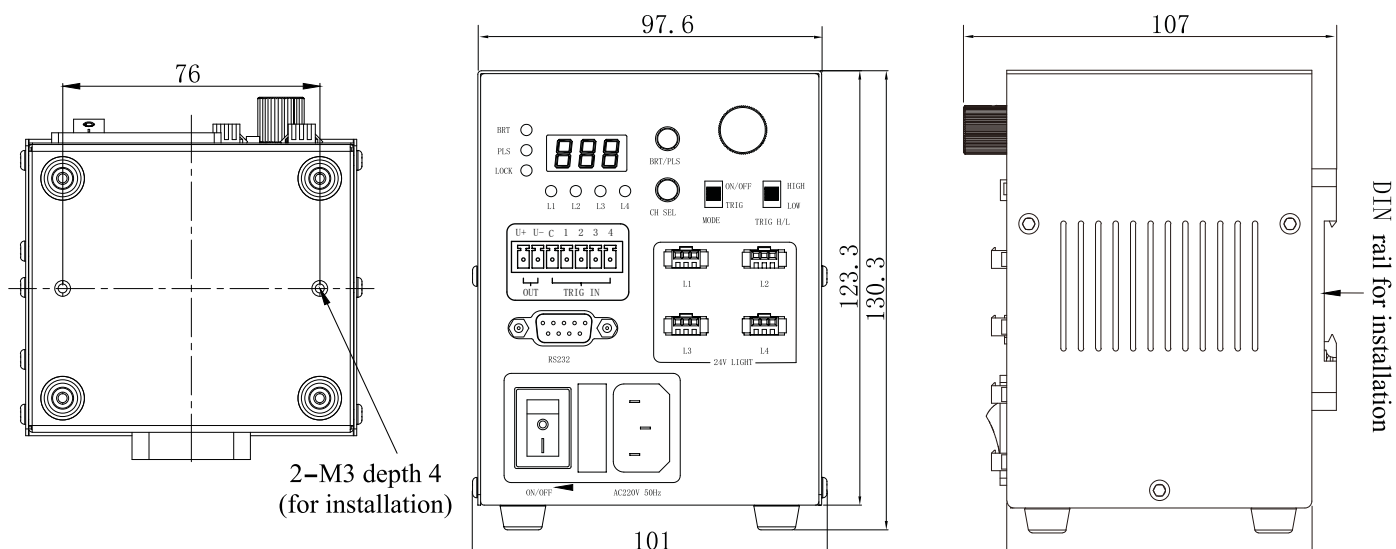
The external trigger for the controller can't use the high mechanical switch like relay as trigger driving.

Control mode

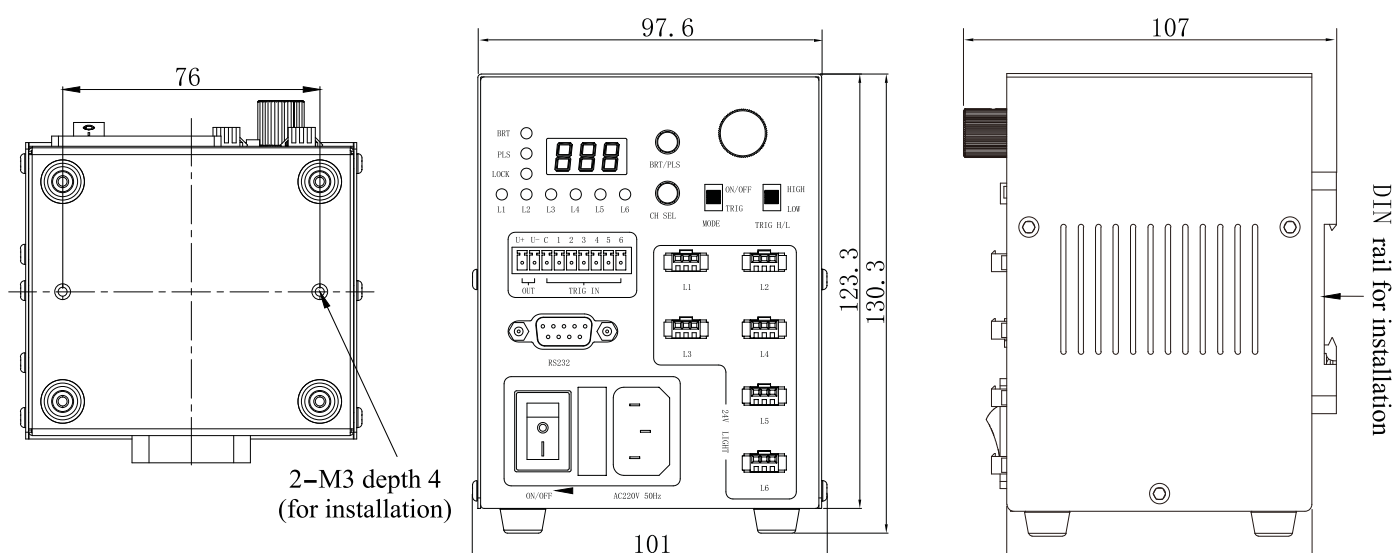


Dimensions (mm)

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



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

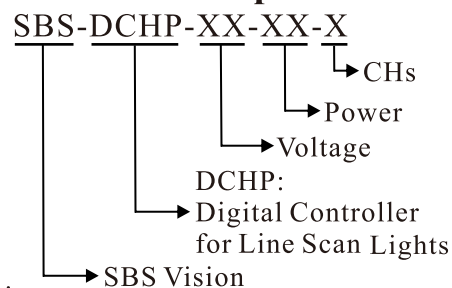




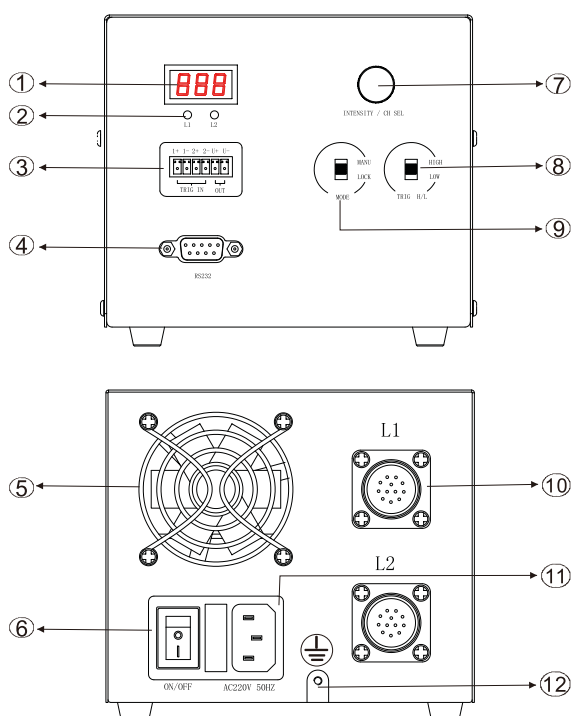
Products Features

- ▶ 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



Panel description



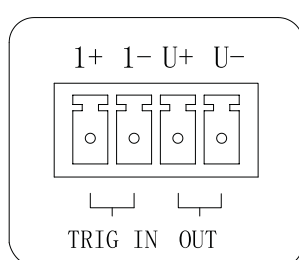
No.	Keys	Description
①	Digital screen	\
②	Channel indicator Lamp	L1/L2 channel switch display
③	External trigger connector	\
④	Communication connector	RS-232/EIA-485
⑤	Heat release fan	\
⑥	Power switch key	Power turn on or off
⑦	Adjust key	1. Adjust the intensity level; 2. switch L1 to L2 or L2 to L1
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

Controller for Line Scan Lights vision solution

Parameter

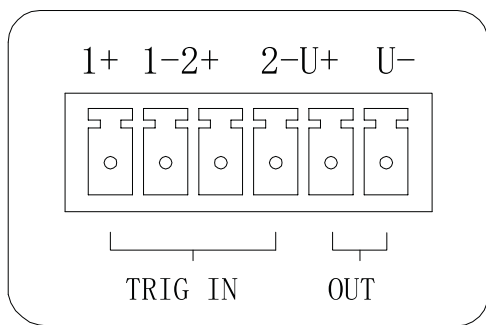
Item	Description		
Model	SBS-DCHP48-135-2	SBS-DCHP48-580-1	SBS-DCHP48-550-2
Lighting states	Continuous		
Intensity adjust method	By adjusting current		
Drive mode	Constant current		
Communication	RS-232/EIA-485		
Channel	2 channels	1 channel	2 channels
Max output power of single channel	135W	580W	270W
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 protection of Controller shows "E01" Temperature control fault of Controller shows "E05" Over current protection of Light shows "E02" Over temperature protection of Light shows "E03" Temperature control fault of Light shows "E04"		
Usage environment	Temperature: -10~50℃ humidity: 20~85%RH (not frozen)		
Storage environment	Temperature: -20~60℃ humidity: 20~85%RH (not frozen)		

Connector



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

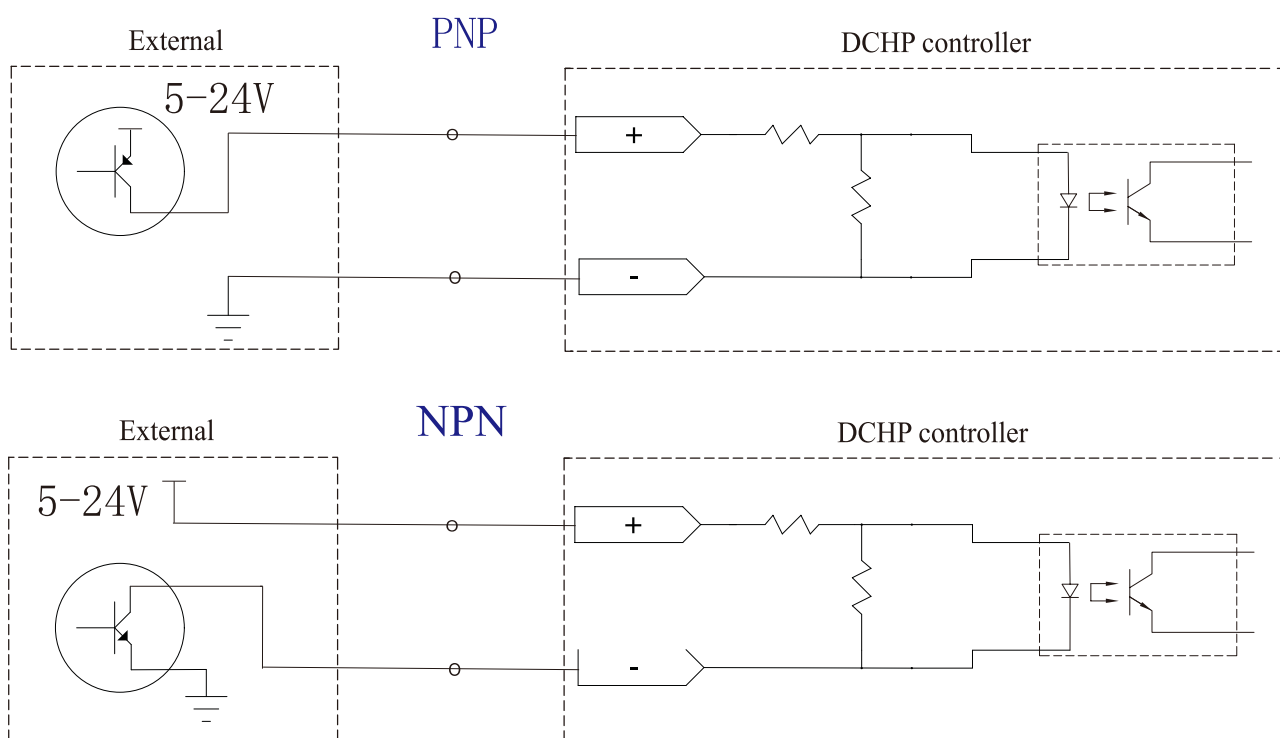
Controller for Line Scan Lights



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

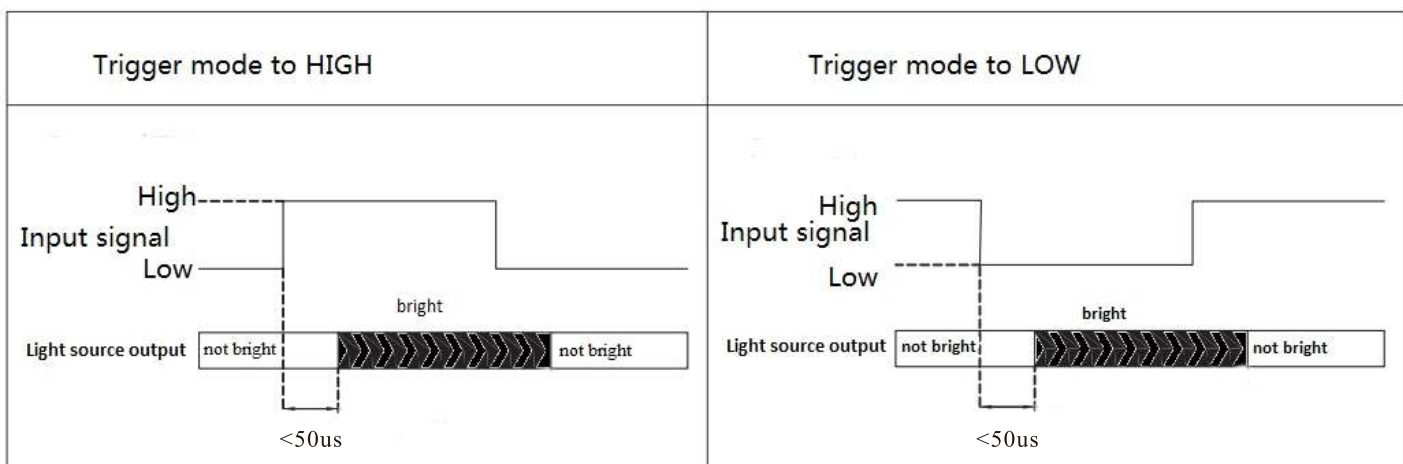
Control mode and lighting mode

Trigger input method



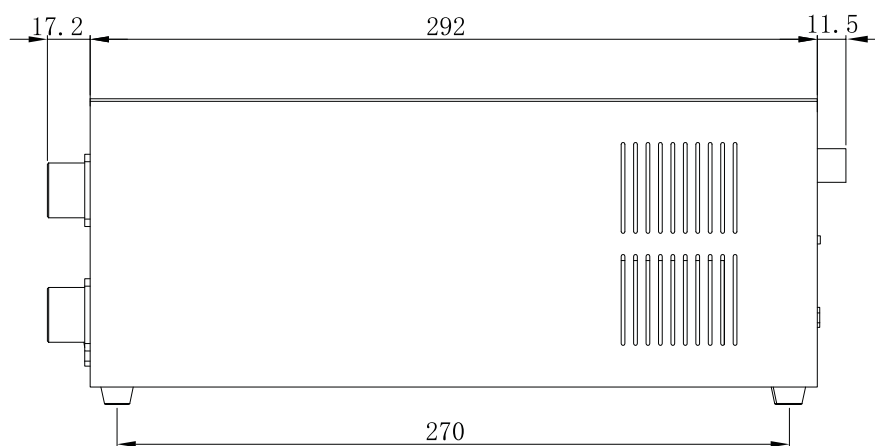
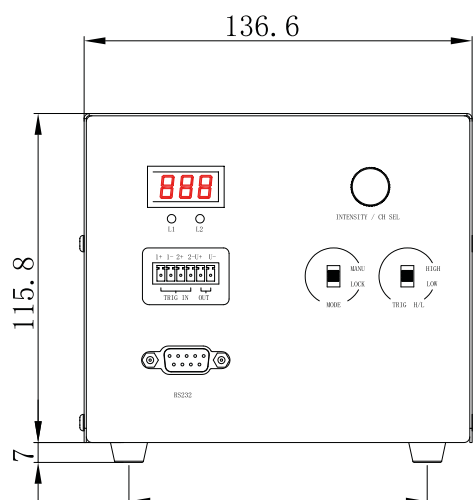
* Switches with strong mechanical characteristics such as relays cannot be used as external actuation of the controller.

Control mode

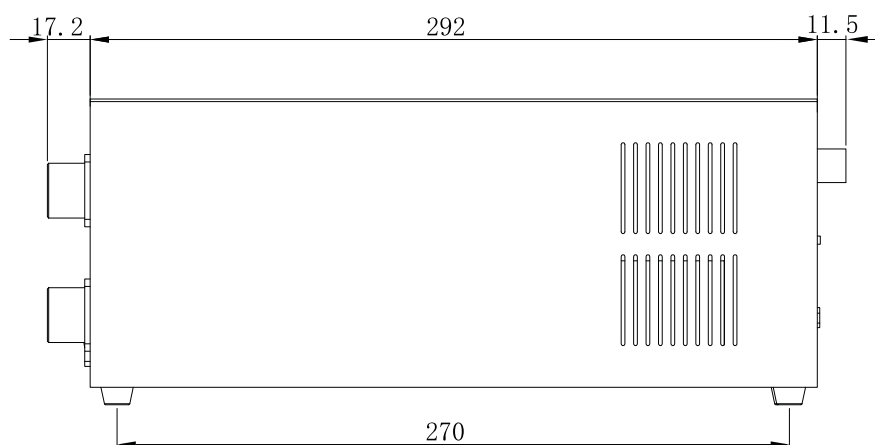
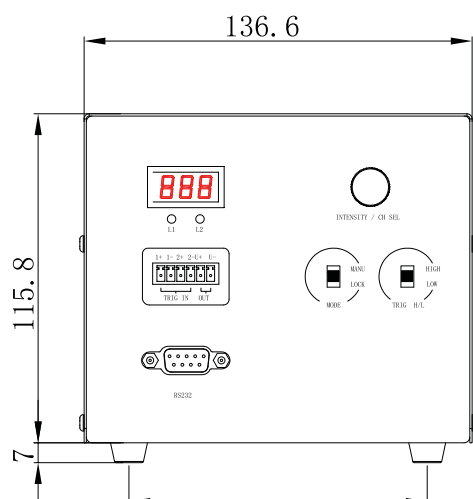


Dimensions (mm)

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



SBS-DCHP48-135-2



Overdrive Digital Controller

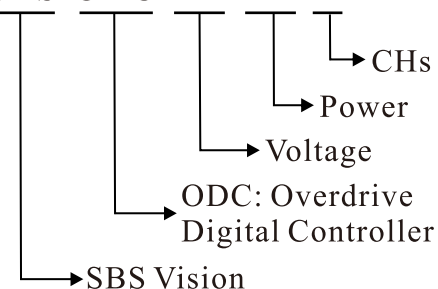


Products Features

- ▶ 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

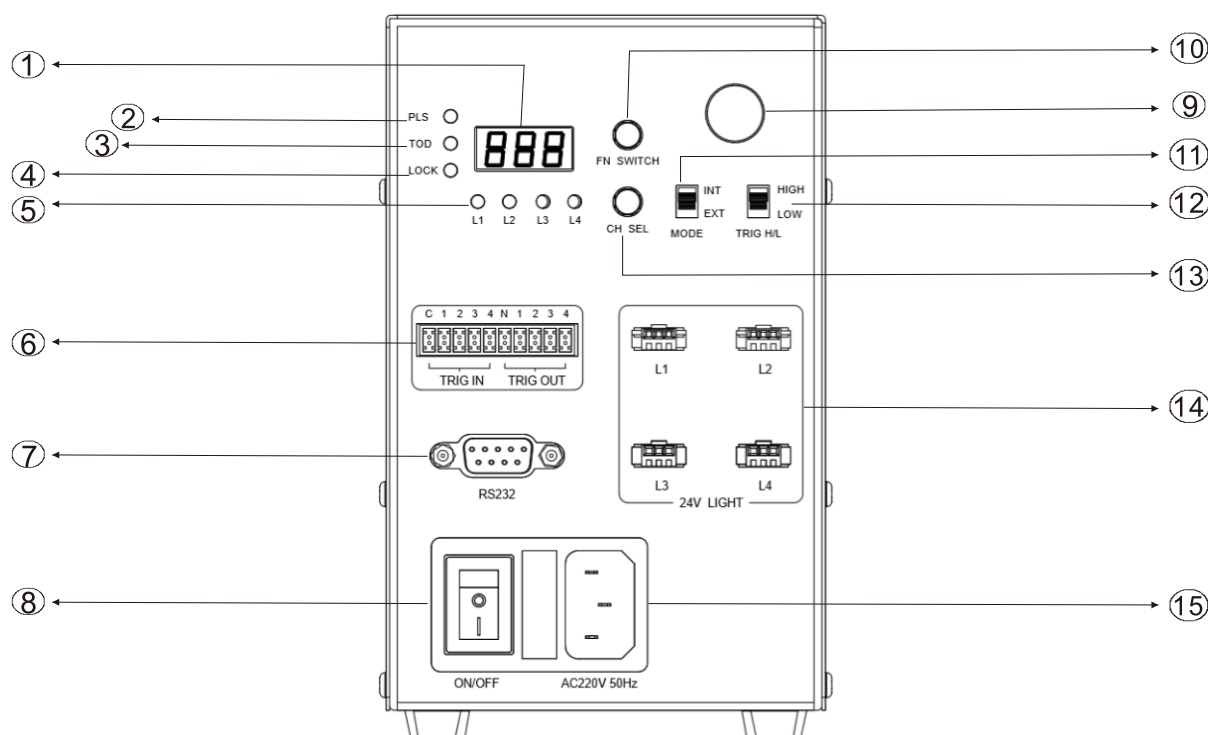
SBS-ODC-XX-XX-X



Parameter

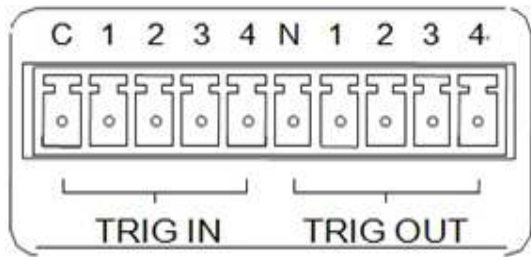
Item \ Model	SBS-ODC48-120-4
Channels	4
Error inspection showing	digital bar showing with numbers
Over current protection	it works when the output current is more than 107%, and it shows OCP, restart the controller to recover
Input voltage	AC100-240V
Trigger function	bidirectional input, regardless of 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

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

Connector

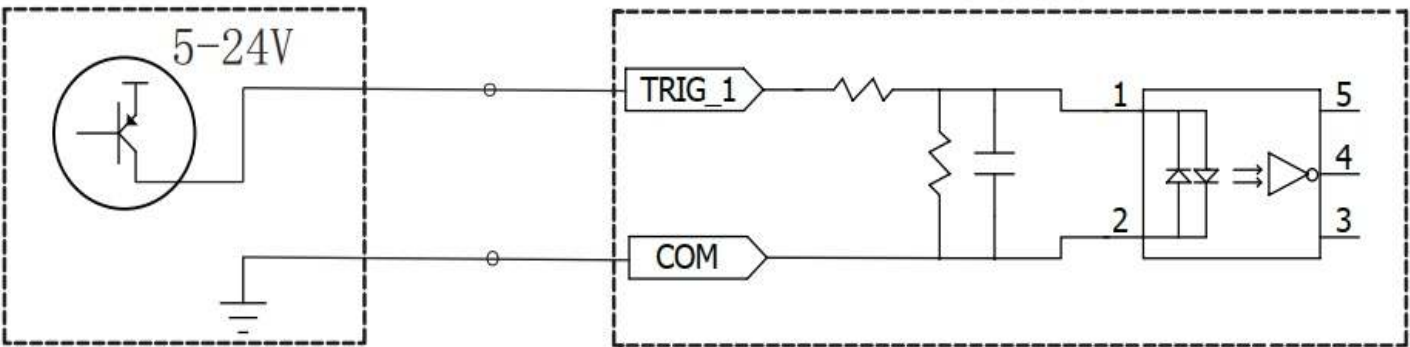


Trigger input is non-polar and support for bidirectional input. Trigger output has polarity, N represents the output negative pole. The voltage of the trigger output is 12V, and it can directly trigger the camera to take pictures.

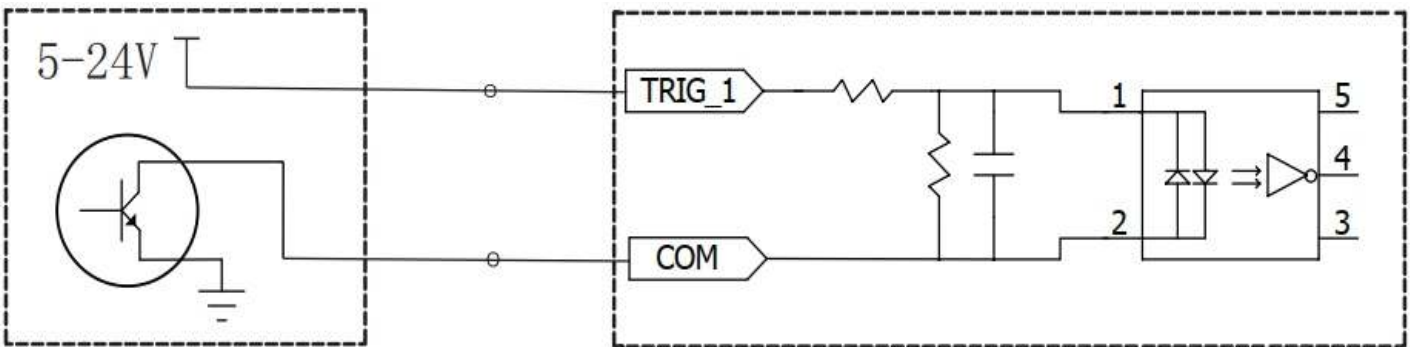
TRIG IN	Wiring definition	TRIG OUT	Wiring definition
C	common port of trigger input	N	common port of trigger output (-)
1	Channel 1 of trigger input	1	Channel 1 of trigger output
2	Channel 2 of trigger input	2	Channel 2 of trigger output
3	Channel 3 of trigger input	3	Channel 3 of trigger output
4	Channel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

Trigger Wiring

PNP

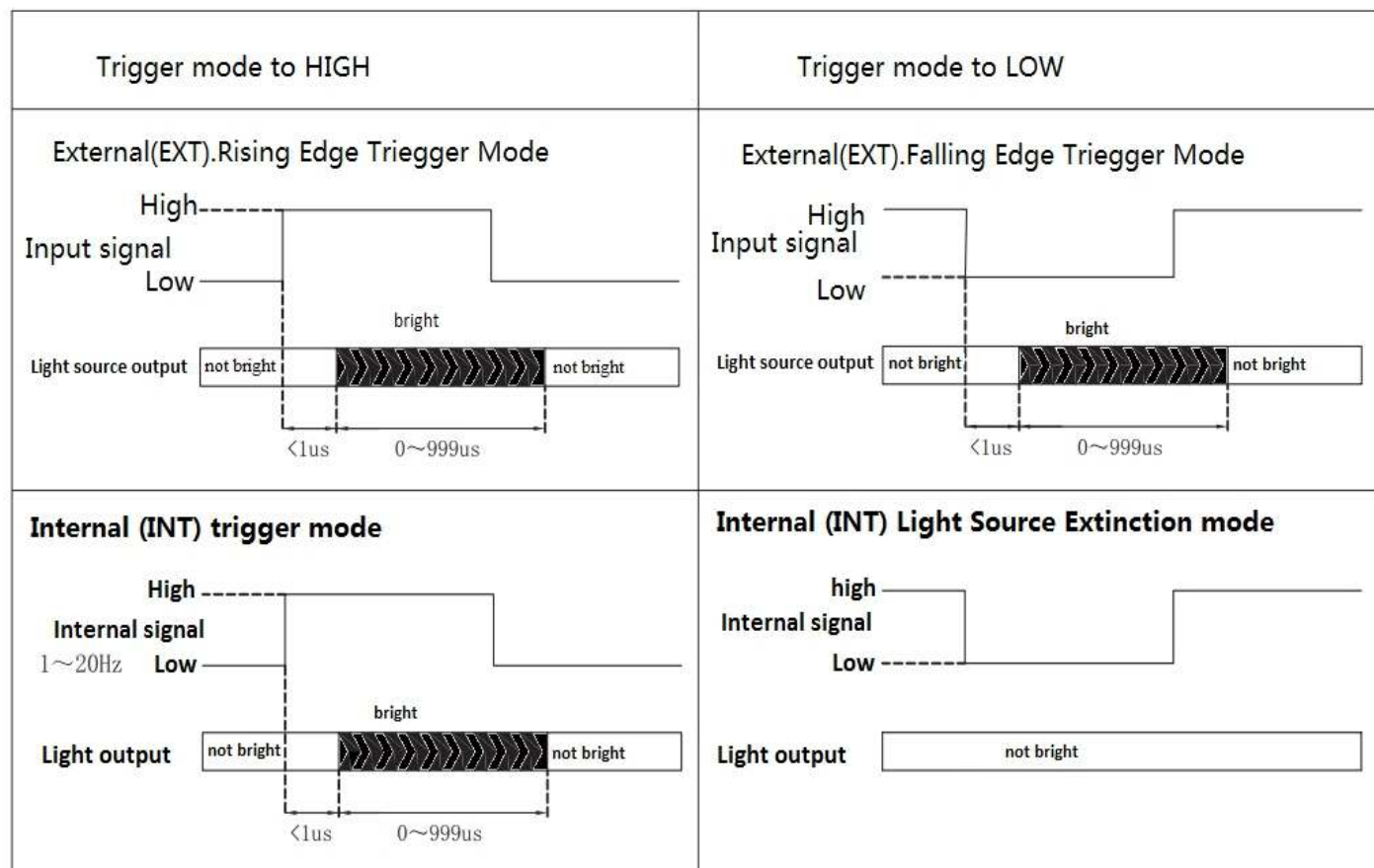


NPN



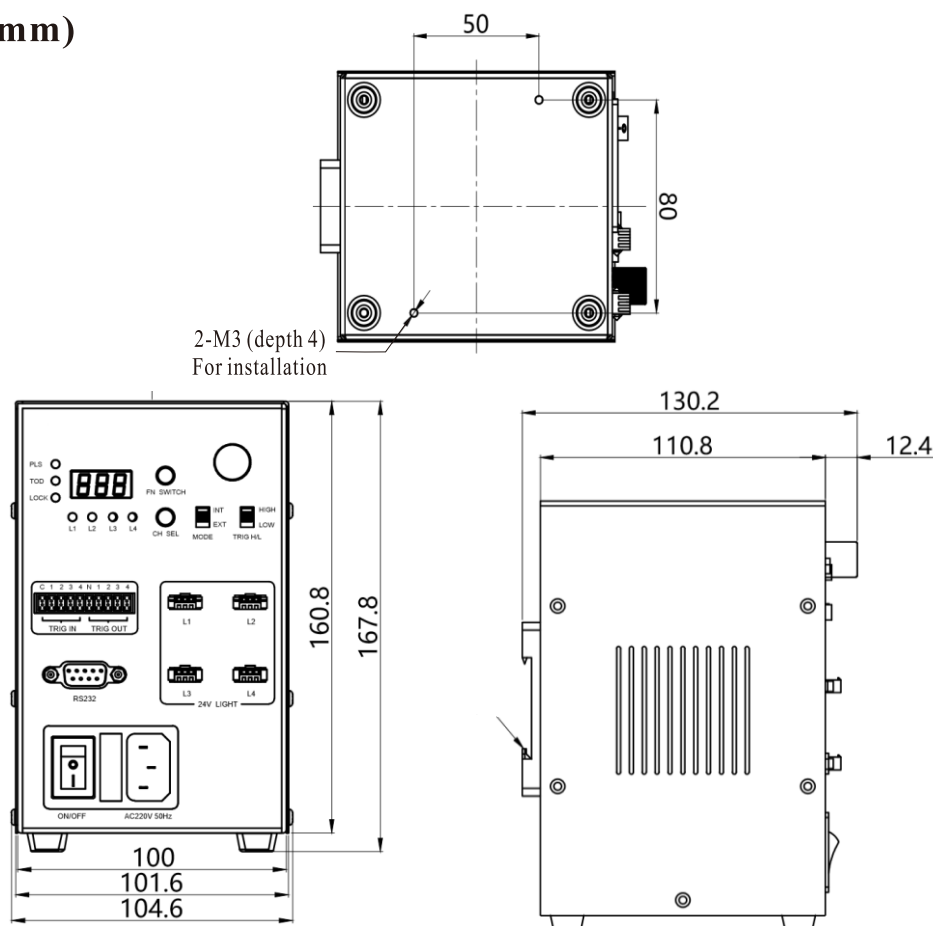
* Switches with strong mechanical characteristics such as relays cannot be used as external actuation of the controller.

Control mode selection



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)





Products Features

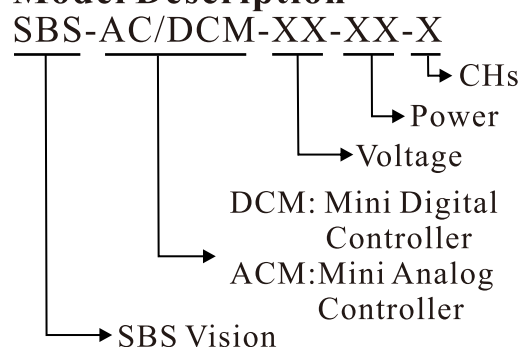
Mini Digital Controller

- 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 signal 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

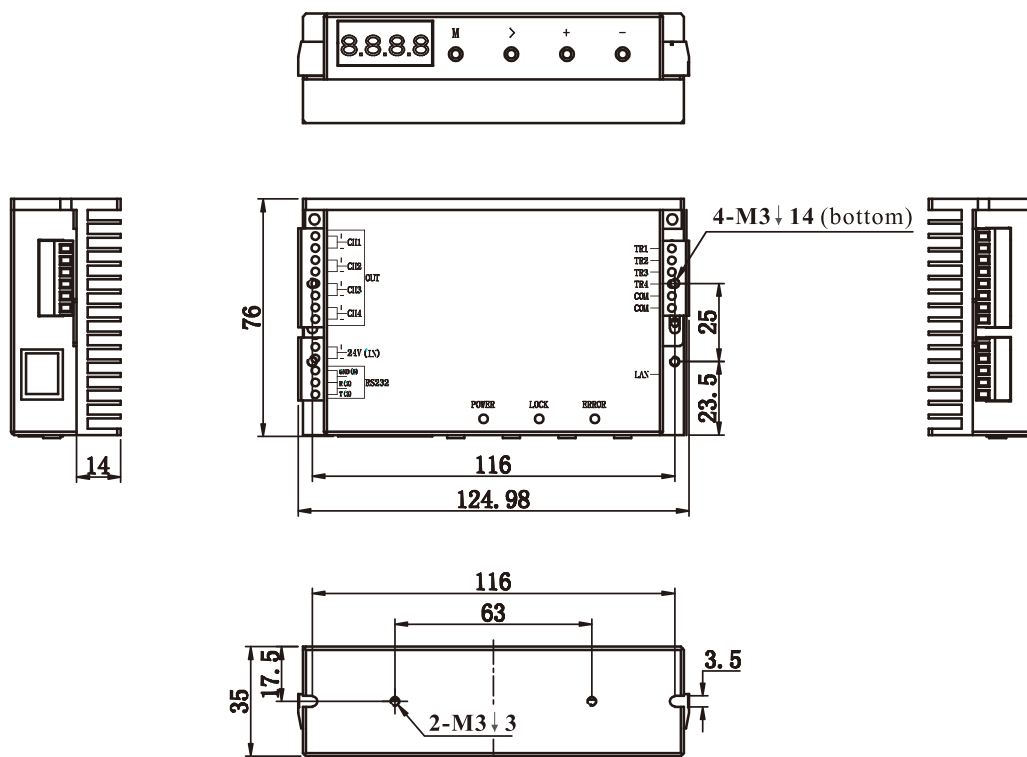


Parameter

Model Item	SBS-DCM24-60-4	SBS-ACM24-60-4	Model Item	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	

Dimensions(mm)

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



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

