

# CLK

Network



CLK6C-24AG-CD

Signal Tower



CLK3C-24SG-CD

Signal Light



CLK3C-24AG-CN

Revolving Warming Light



CLK2S-24AG-CD

Cube Tower



\*UL standards are AG (aluminum) specifications only

Audibles

Hybrid Signaling Devices

## Specifications

LED Illumination

Model	Cable length Connection method	Luminous Color	Rated Voltage	Operating Voltage Range	Power Consumption	Size of light-emitting component	Central illuminance (at 1m)	Total luminous flux	Body materials	Light-emitting component with transparent front surface	Operating Temperature Range	Protection Rating	Mass
CLK2S-24AG-CD	0.5m Cable takeout	Daylight color	24V DC	24V DC±10%	8.4W	200mm	820lx	865lm	Waterproof and oil-proof type/ Aluminum alloy	Tempered glass	-40°C ~+60°C (90%RH or less)	IP66G/ 67G/ 69K	450g
CLK3S-24AG-CD		Daylight color			12.5W	300mm	1,200lx	1,300lm					600g
CLK3S-24AG-CN		Neutral white			25W	600mm	2,100lx	2,600lm					1,070g
CLK6S-24AG-CD	Daylight color	8.4W			200mm	820lx	865lm	450g					
CLK2C-24AG-CD+FL005	M12 connector	Daylight color			12.5W	300mm	1,200lx	1,300lm	600g				
CLK3C-24AG-CD		Daylight color			25W	600mm	2,100lx	2,600lm	1,070g				
CLK3C-24AG-CN		Neutral white											
CLK6C-24AG-CD		Daylight color											
CLK3C-24SG-CD		Daylight color											
CLK3C-24SG-CN	Neutral white												

Options

The CLK Series was designed especially for the machine tool industry where oil, oil mist, other cutting fluids and debris is constantly present (rated IP66G and IP67G). It has the lowest, space saving profile in the industry but puts out up to 2100 lx, illuminating large areas. The aluminum or stainless steel body and tempered glass protect the unit from hot flying debris. Various lengths are available along with the capability to daisy link them so that the CLK can be used in various equipment sizes.

A stainless steel with acrylic lens unit that is rated IP69K is also available for the food, beverage and pharmaceutical industries where high-pressure and high-temperature wash down is required.

- Cable or M12 connection methods
- 24V DC rated voltage
- -30o to +60oC operating temperature range

- IP6X= The product is placed in a dust chamber with a negative pressure state so that dust is made to float for 8 hours, and there is no invasion inside.
- IPX6= A water nozzle with a diameter of 12.0mm is placed at a range from 2.5 to 3.0 meters with a water velocity of 100 litres per minute injected towards the test piece in an omni-direction for three minutes or more without being affected by any harmful influences.
- IPXXG= The outline of the product is submerged at a distance of 1m from the bottom of a tank, and it is held submerged for 30 minutes. A non-water soluble N3 class No. 8 as specified in JIS K2241 (for coolants) is dropped on top of the upper part of a product at a rate of 0.5L/h for 48 hours.
- IPX9K= IPX9K is the German DIN 40050 PART9 standard. It is defined as a protection regulation for high temperature and high-pressurized water. Water is heated up to 80 and sprayed at a water pressure in the range from 80 to 100 BARs at 14 to 16 liters per minute at the test object. The test object is at a distance of 100 to 150 mm from the nozzle and sprayed in all directions at 0, 30, 60, and 90 degrees, then sprayed at a horizontal angle while it is being rotated, all done for a period of 30 seconds without being affected by water penetration.

Passed dust-proof, water resistance, and oil-proof tests listed below:.

## Model Code

# CLK2S-24AG-CD

Light-emitting component dimension

2	200mm
3	300mm
6	600mm

Wiring

S	Cable takeout
C	M12 connector connection

Body materials

AG	Body/aluminum Illumination Area: Tempered Glass
SG	Body/stainless steel Illumination Area: Tempered Glass

Luminous Color

CD	Daylight color
CN	Natural White

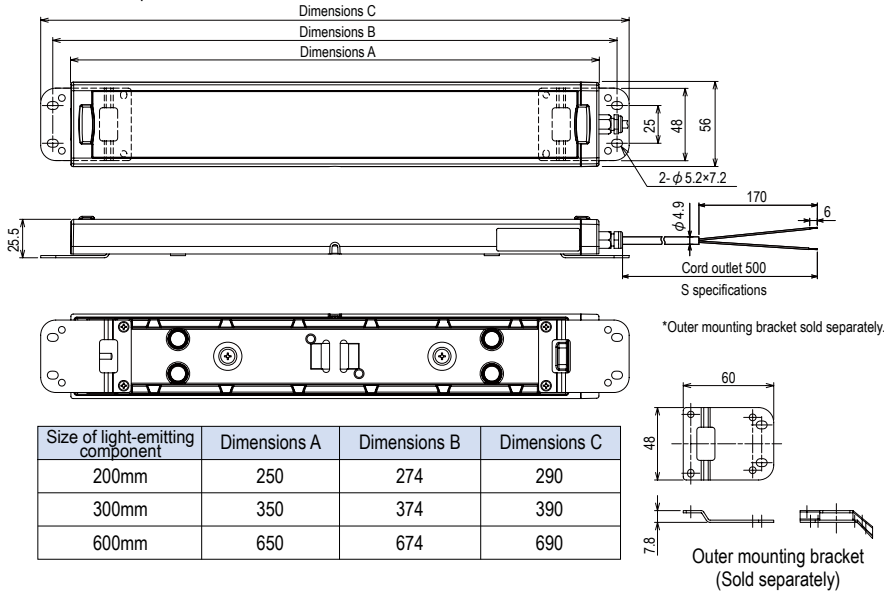
## Optional Parts

For details, see pages 182 to 187.

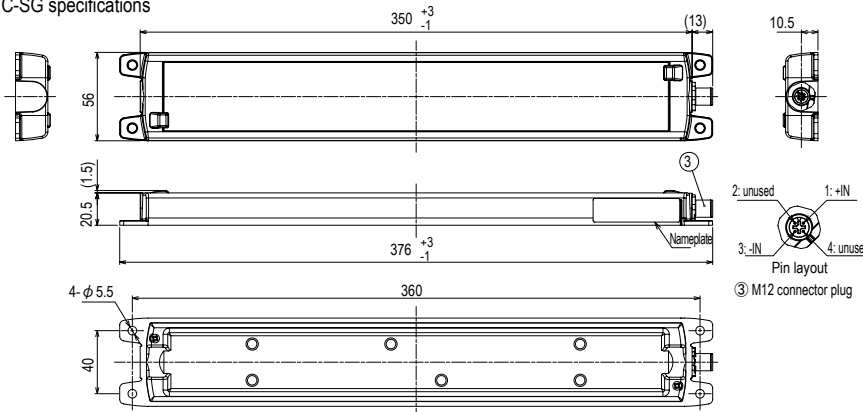
Optional Parts	Model
Outer mounting bracket	CLK-001
Angle adjustment bracket	SZ-320KS <symmetrical pair>

## Dimensions (mm)

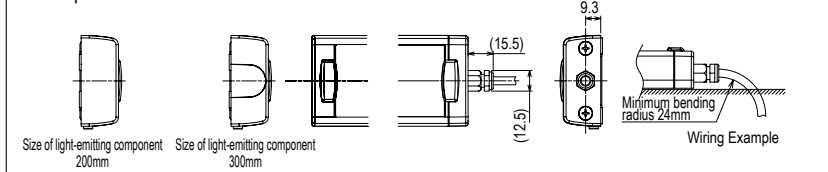
S-AG/C-AG specifications



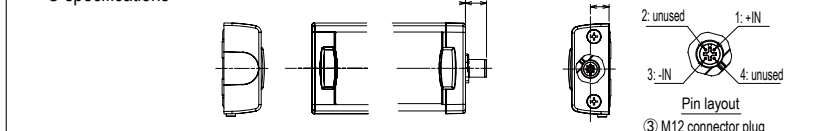
C-SG specifications



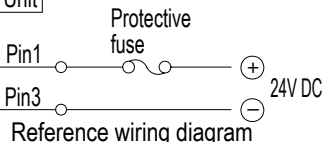
S specifications



C specifications



Main Unit



\*Caution\*

If the cable tip component comes into contact with water or is in a low temperature environment, please waterproof and oil-proof the cable tip component.

## Oil proof test

The product has passed the oil-proof test in the following cutting oils!

Diluted 20 times in the following oils and soaked at 55°C for 240 hours (10 days).

Name of company
Hangsterfer's
Yushiro Chemical Industry Co., Ltd.
Castrol
Blaser Swisslube

Name of oil
Hangsterfer S500
Yushiroken Synthetic #663
Syntilo 9954
Blasocut BC35LFSW

Confirmation in result of swelling, contraction, dissolution, exfoliation, separation, cracks, and discoloration by the accelerated impregnation examination with the above-mentioned cutting fluid for diluted oil at 55 °C for 240 hours (for ten days) was made. Due to the additive agents in oil, the application of oils other than the ones above may influence physical properties, therefore, please investigate before purchasing.  
\*The mentioned company names, product names, trademarks, etc. are the registered trademarks or trademarks.

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