

CLA

Network

Signal Tower

Signal Light

Revolving Warming Light

Cube Tower

Audibles

Hybrid Signaling Devices

LED Illumination

Options



The CLA Series is built for use in high-pressure, high-temperature cleaning and sub-zero environments. The rugged polycarbonate construction means there is no glass or other contamination to be concerned about. Its various lengths allow it to be used in small and large areas and the daylight color temperature enables objects to be seen clearly.

- First in industry (based on self investigation) IP66, IP67 and IP69K rated LED work light
- Ideal for use in wet or high-pressure, high-temperature applications in food processing, beverage, and pharmaceutical industries.
- 34% less heat generated compared to 20W fluorescent lights, thus keeping the work environment cooler.
- Ultra-bright, maintenance-free LEDs

- **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.
- **IPX7=** 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.
- **IPX9K=** 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 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 and water resistance tests listed below:

Specifications

Model	Light source color	Rated Voltage	Operating Voltage Range	Rated Current Consumption	Central Illuminance (lx/50cm)	Body Materials	Operating Temperature Range	Mounting direction (Mounting specification)	Protection Rating	Vibration Resistance	Mass	Cable length	
CLA1S-24-CD	Daylight color	24V DC (has polarity)	24V DC±10%	104mA	140	Cover: Polycarbonate	-40°C - +60°C (90%RH or less, no condensation)	All Directions (indoor use)	IP66/67/69K	19.6m/s	80 g	0.5m	
CLA1S-24-CD-30	Daylight color											3.0m	
CLA2S-24-CD	Daylight color			208mA	270						400	180 g	0.5m
CLA2S-24-CD-30	Daylight color												3.0m
CLA3S-24-CD	Daylight color			240mA	650						220	340 g	0.5m
CLA3S-24-CD-30	Daylight color												3.0m
CLA3S-24-Y	Amber			480mA	810						720mA	500 g	0.5m
CLA6S-24-CD	Daylight color												3.0m
CLA6S-24-CD-30	Daylight color			720mA	890						960mA	660 g	0.5m
CLA9S-24-CD	Daylight color												3.0m
CLA9S-24-CD-30	Daylight color			960mA	890						960mA	660 g	0.5m
CLA12S-24-CD	Daylight color												3.0m
CLA12S-24-CD-30	Daylight color												

Model Code

CLA1S-24-CD-30

Light-emitting component dimension		Cable length	
1	100mm	Blank	0.5m
2	200mm	30	3.0m
3	300mm		
6	600mm		
9	900mm		
12	1200mm		

Light source color	
CD	Daylight color
Y	Amber

*-Y is a 300mm type only

Optional Parts

For details, see pages 182 to 187.

Optional Parts	Model
Back mount (fastening screw)	SZ-310AR
Back mount (magnet specifications)	SZ-310ARM
Side mount (fastening screw)	SZ-310AS
Side mount 2 (fastening screw)	SZ-310ASB (dedicated compatibility with CLB-24N)

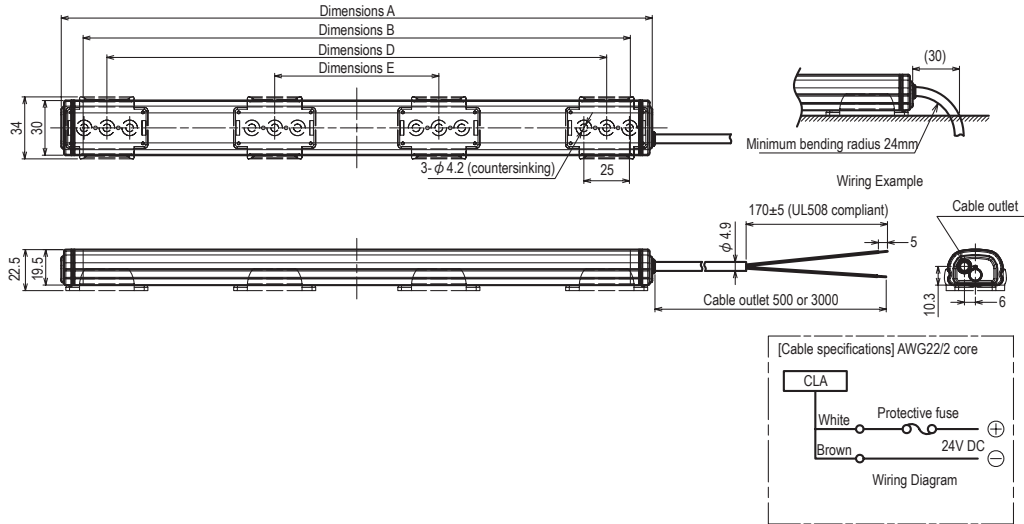
*Please exercise caution to prevent dropping magnet specifications (SZ-310ARM). Please use fastening screw specifications during normal installation.

[Recommended products]

Recommended power supply for CLA series: Omron Corporation

- Universal type...S8JX type (open type/type with cover) 24V 0.65A/1.5A/2.1A/4.5A/6.5A
 - UL Class 2 type...S8VS type 24V 0.65A/1.3A/2.5A/3.75A/5A/7.5A/10A/20A
- <http://www.fa.omron.co.jp>

Dimensions (mm)



Model Name	Dimensions A	Dimensions B	Dimensions D	Dimensions E	Bracket (SZ-310AR) Number included
	Full-length part	Light-emitting component	Recommended mounting pitch		
CLA1S-	124	100	74	—	2
CLA2S-	224	200	174	—	2
CLA3S-	324	300	274	—	2
CLA6S-	624	600	574	—	2
CLA9S-	924	900	874	290	4
CLA12S-	1224	1200	1174	390	4