

生産終了
Production end

CLA3S-CN

CLA1S-CN

Cost
Saving

Earth
Friendly

Long
Life

Low
Heat

TECHNOLOGY

Highly reliable LED chips are used.



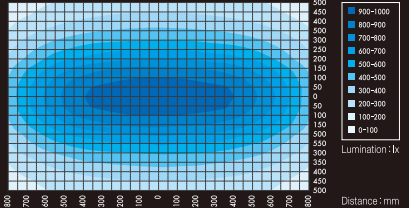
High-definition LED chip

The highly reliable LED chip, which is the core of LED lighting, has nearly 10 times (about 40,000 hours) the lifespan (based on LED brightness of 70%) in comparison to the common fluorescent light, it also does not contain any mercury.

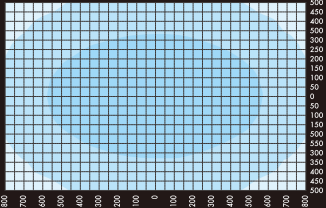
Uniform light which subdues the glaring brightness

In comparison to an LED luminous source, we take advantage of the straight beam optical characteristic of the LED and translucent material without dropping brightness or overdoing it, but reproducing a natural light.

Illumination Distribution Chart
CLA1SS-CD (Measured Distance 0.5m)



CLA1SS-CD (Measured Distance 1.0m)



Shock-proof polycarbonate resin

Polycarbonate resin construction, which is a hard to break material, was adopted to endure all operating environments. In addition, the most difficult thing has been accomplished; for the body to acquire the IP69K conformity. And, unlike other LED lighting products which uses glass material, etc., we've reduced the danger of body cover breakage or from fragments mixing in goods (for the food industry, etc).

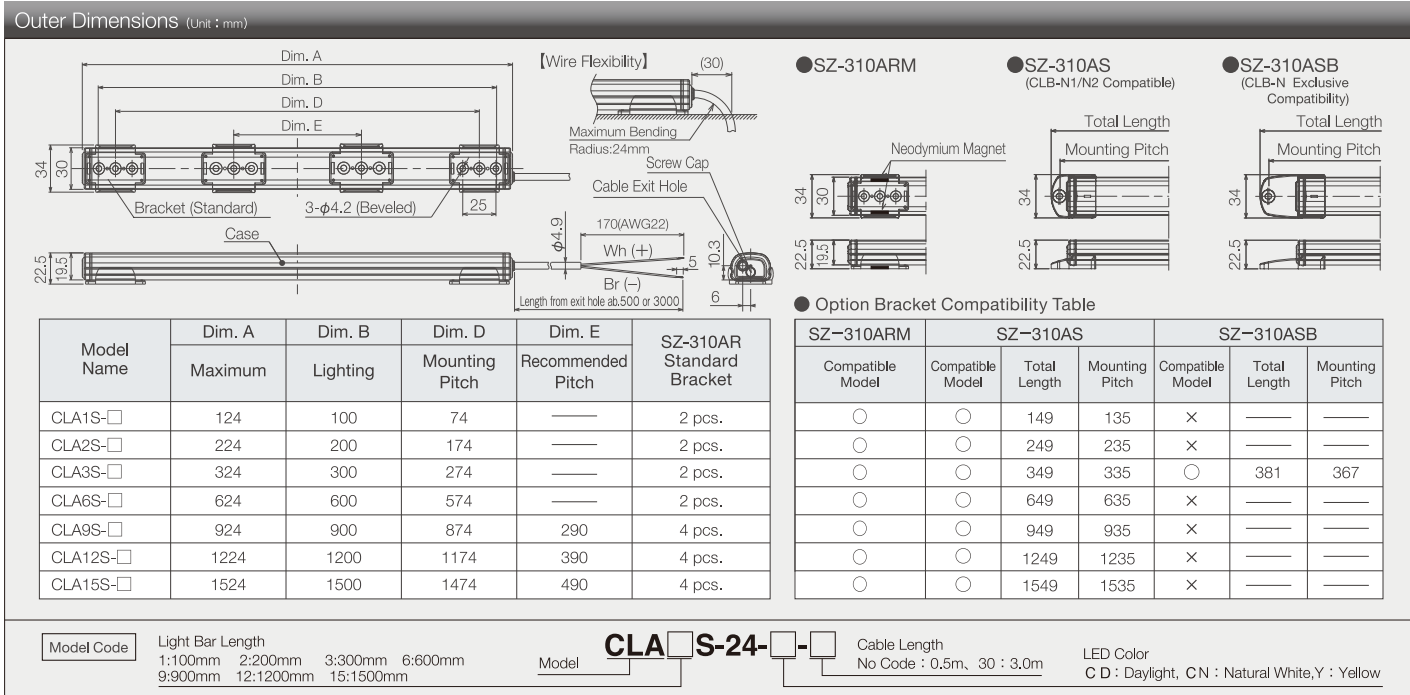


Housing: Polycarbonate Resin

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Specifications																Production end	
Model Name	CLA1S-□			CLA2S-□			CLA3S-□			CLA6S-□		CLA9S-□		CLA12S-□		CLA15S-□	
Color Code	CD	CN	Y	CD	CN	CD	CN	Y	CD	CN	CD	CN	CD	CN	CD	CN	
Luminous Color	Daylight	Natural White	Yellow	Daylight	Natural White	Daylight	Natural White	Yellow	Daylight	Natural White	Daylight	Natural White	Daylight	Natural White	Daylight	Natural White	
Color Temperature(Typ.)	6800K	4800K	—	6800K	4800K	6800K	4800K	—	6800K	4800K	6800K	4800K	6800K	4800K	6800K	4800K	
Wavelength (nm)	—	—	590	—	—	—	—	590	—	—	—	—	—	—	—	—	
Illuminance (I _{cat} DC24V)	0.3m	—	—	—	—	—	—	—	1,425	1,425	1,525	1,525	1,600	1,600	1,625	1,625	
	0.5m	140	140	78	270	270	400	400	220	650	650	810	810	890	890	945	
	1.0m	35	35	20	70	70	105	105	60	200	200	280	280	340	340	385	
Luminous Flux (lm)	125	125	60	240	240	360	360	195	690	690	980	980	1,375	1,375	1,725	1,725	
Rated Voltage	24V DC (Polarized)																
Operating Voltage Range	24V DC ±10%																
Rated Current Consumption (mA±10%)	104			208			240			480		720		960		1,200	
Rated Power Consumption (W)	2.5			5.0			5.7			11.6		17.3		23.0		28.8	
Operating Temperature Range	-40℃ to +60℃ (RH 90% or less, no condensation)																
Main Body Material	Polycarbonate Resin (Waterproof Packing/Screw Cap*: Silicon)																
Protection Rating	IP66/67 (IEC 60529)/69K (DIN 40 050-9) (Cable Terminal not included)																
Mounting Direction	Indoor Use Any Direction																
Insulation Resistance	5MΩ or more with a 500V DC Megohmmeter																
Withstanding Voltage	500V AC for 1 minute																
Vibration Resistance	30Hz 19.6 m/s ² Up and Down/Right to Left/ Back and Forth, each for 2 hours																
Mass	80g ±10%			130g ±10%			180g ±10%			340g ±10%		500g ±10%		660g ±10%		820g ±10%	

* The screw caps are removable. Please remove them in advance when using high-pressure water applications.



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Production end

PATLED's

PATLITE®
New Frontiers in Safety, Security and Comfort.

IP69K Conformity

Ultra-bright Uniform LED Illumination
Seven Different Sizes
Waterproof

cULus CE RoHS

Slim Waterproof Type
LED Light Bar **CLA**

CAUTION

To ensure correct use of these products, read the "Instruction Manual" prior to use. Failure to follow all safeguards can result in fire, electric shock, or other accidents. Specifications are subject to change without notice.

PATLITE ECO PROJECT

For the benefit of mankind and the earth, Patlite is committed to developing environmentally friendly products.

IP69K Conformity

CLA16S-CD

CLA9S-CD

CLA3S-Y

CLA1S-Y

Seamless Design

All Translucent Material

Easy Detachment

Waterproof performance which applies a jet-stream of pressurized water at a temperature of 80°C

IP66

IP67

IP69K

CONCEPT

"The LED light bar can be used in every possible environment" is a long-time idea behind the PATLITE Engineer's mind when designing the slim type LED light bar model CLA with the concept of it enduring the most severe conditions for use...and now the waiting for LED lighting technology and craftsmanship has finally arrived.

High waterproof performance was already achieved but without having the energy saving ability, the environment-resistant performance not offered by the fluorescent light in any variety of production sites, nor any public or commercial establishments, etc., without impairing the general illumination performance. Performance to which a high temperature of 80°C and high pressure washing in severe environments (like the meat and food industry), demonstrates that it can be used for a variety of scenes with a peaceful easy feeling.

IP6X	IPX6	IPX7	IPX9K
Typical Environment	Dusty Environment	Water-splash Environments	Environment Exposed to Water
● Control/Switchboard Panels Lighting ● Machinery and Equipment Lighting	● Machining/Factory Sites ● Farmsteads	● Signboards/Working Lights ● Beverage/Medicine ● Commercial/Public Furnishings	● Meat and Food Packaging/ Processing Industry ● Beverage/Medicine Manufacturing Industry

Protection Rating Explanation

(Standard Number / IEC 60529)

- IP6X= The product is placed in a dust chamber with a negative pressure state so that dust is made to float, 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= With the distance of 0.15 m from the top of the product to the water surface and a distance from the bottom of the product to the bottom of the tank at a distance of 1 m, it is submerged for 30 minutes with no harmful penetration.

※Since testing is performed under a controlled environment within provisions including a designated time, it does not consider conditions for continuous use.



IP69K (80°C Jet-stream Steam Examination)

(Standard Number / DIN 40 050-9)

Steam jet injection (80-100 bar at a temperature of 80°C) is applied at angles of 0, 30, 60, and 90 degrees at a distance from 100-150mm repeated 5 times at a duration of 30 seconds without being affected by any harmful influences.

DESIGN

With all translucent material, it implements equal light distribution with a seamless design

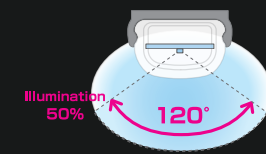


Seamless Shaped Body



Backlight Illumination Example (CLA12S-CD)

□ Illumination Range Drawing



□ Lighting Distribution Diagram

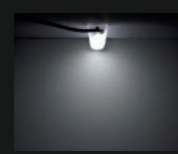
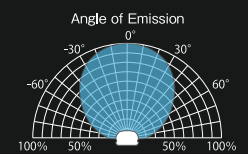


Image of wall reflection

Slide rail enables easy attachment and detachment



Attachment bracket for various scenes



Standard 2 incl.

SZ-310AR
Rear Attachment Type
(Screw Mount)

Material: Polycarbonate Resin

※ Necessary Quantity
CLA1S~6S/2 pcs.
CLA9S~15S/4 pcs.

Shining from end to end,
the mounting position can
be placed anywhere for the
body to snap in.



Option 2 incl.

SZ-310ARM
Rear Attachment Type
(Magnetic Mount)

Material: Polycarbonate Resin

※ Necessary Quantity
CLA1S~6S/2 pcs.
CLA9S~15S/4 pcs.

With a powerful magnet,
fastening onto surfaces
such as steel can be
attached easily.



Option 2 incl.

SZ-310AS
Side Attachment Type
(Screw Mount)

Material: Polycarbonate Resin

Matches Models CLB-N1/N2 Pitch

The side attachment bracket,
fastening onto surfaces
such as steel can be
attached easily.



Option 2 incl.

SZ-310ASB
Side Attachment Type
(Screw Mount)

Material: Polycarbonate Resin

Model CLA3S Compatible

Matches Model CLB-N Pitch

The pitch is designed to
match the "CLB-N" so
replacing it with a new
"CLA-3S" can be easier.



Durable Cord can withstand environment conditions from -40°C to +60°C

The polyurethane sheath was used for the wire housing so that it could endure the operating temperature environmental range, the same as the housing. (It also has chemical resistance)

6800K DAYLIGHT COLOR(-CD)

15S

12S

9S

6S

3S

2S

1S

L:1500mm

L:1200mm

L:900mm

L:600mm

L:300mm

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