

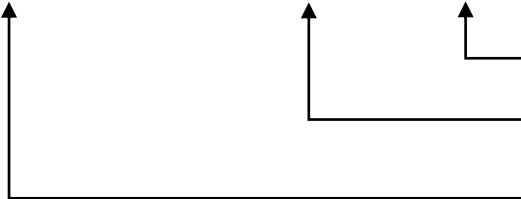
# SPECIFICATIONS

[General Specifications]

Product Name	LED Light Bar			
Model	CLA1S-24A-CD(-30)	CLA2S-24A-CD(-30)	CLA3S-24A-CD(-30)	
Rated Voltage	24V DC (Polarized)			
Operating Voltage Range	24V DC $\pm 10\%$			
Rated Current Consumption	standard	104 mA $\pm 10\%$	208 mA $\pm 10\%$	240 mA $\pm 10\%$
Rated Power Consumption	standard	2.5 W	5.0 W	5.7 W
Operating Ambient Temperature	-40°C to +60°C			
Operating Ambient Humidity	Less than 90% (No condensation)			
Mounting Location	Indoors			
Mounting Direction	All Directions			
Protection Rating	IP66/67 (IEC 60529) /69K (DIN 40050 part9) (Except Cable Terminal)			
Vibration Resistance	19.6 m/s <sup>2</sup> (30Hz, Back and Forth:2h, Right to Left:2h, Up and Down:2h)			
Insulation Resistance	More than 5M $\Omega$ at 500VDC between the terminals and the chassis			
Withstanding Voltage	500VAC applied for 1min between terminals and chassis without breaking insulation			
Luminous Color	Daylight (CD)			
Color Temperature (typ.)	6800 K			
Illuminance (at 24VDC)	0.5m	140 lx	270 lx	400 lx
	1.0m	35 lx	70 lx	105 lx
Luminous Flux		125 lm	240 lm	360 lm
Mass(Tolerance $\pm 10\%$ )		80 g(165g)	130 g(215g)	180 g(265g)
Outer Dimensions	Refer to the Outer Dimension Drawing			
Conformity Standards	UL 2108, CSA-C22.2 No. 250.0 EMC Directive (EN 55011, EN 61000-6-2) RoHS Directive (EN IEC 63000)			
Remarks	<ul style="list-style-type: none"> <li>· Conforms to the CE requirements</li> <li>· UL Listed (File No.E306141)</li> <li>· Specifications may change without notice due to continual product improvement.</li> <li>· Due to the inherent properties of the LED, color variations and hue may occur.</li> <li>· This product's illuminance may be affected when used in airtight conditions.</li> </ul>			

\*Model Number Configuration

CLA□S - 24A - CD - □□



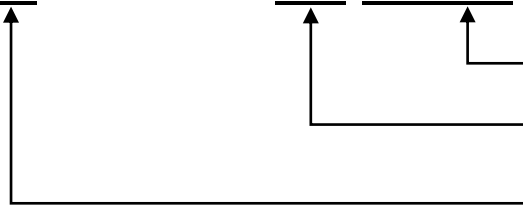
- Cable Length  
Blank: 500mm, -30: 3000mm
- Luminous Color  
CD: Daylight
- Light Unit Length  
1: 100mm, 2: 200mm, 3: 300mm

Drawing No.	Rev.	Page
CLA3S-24A-W18	B	2 / 3

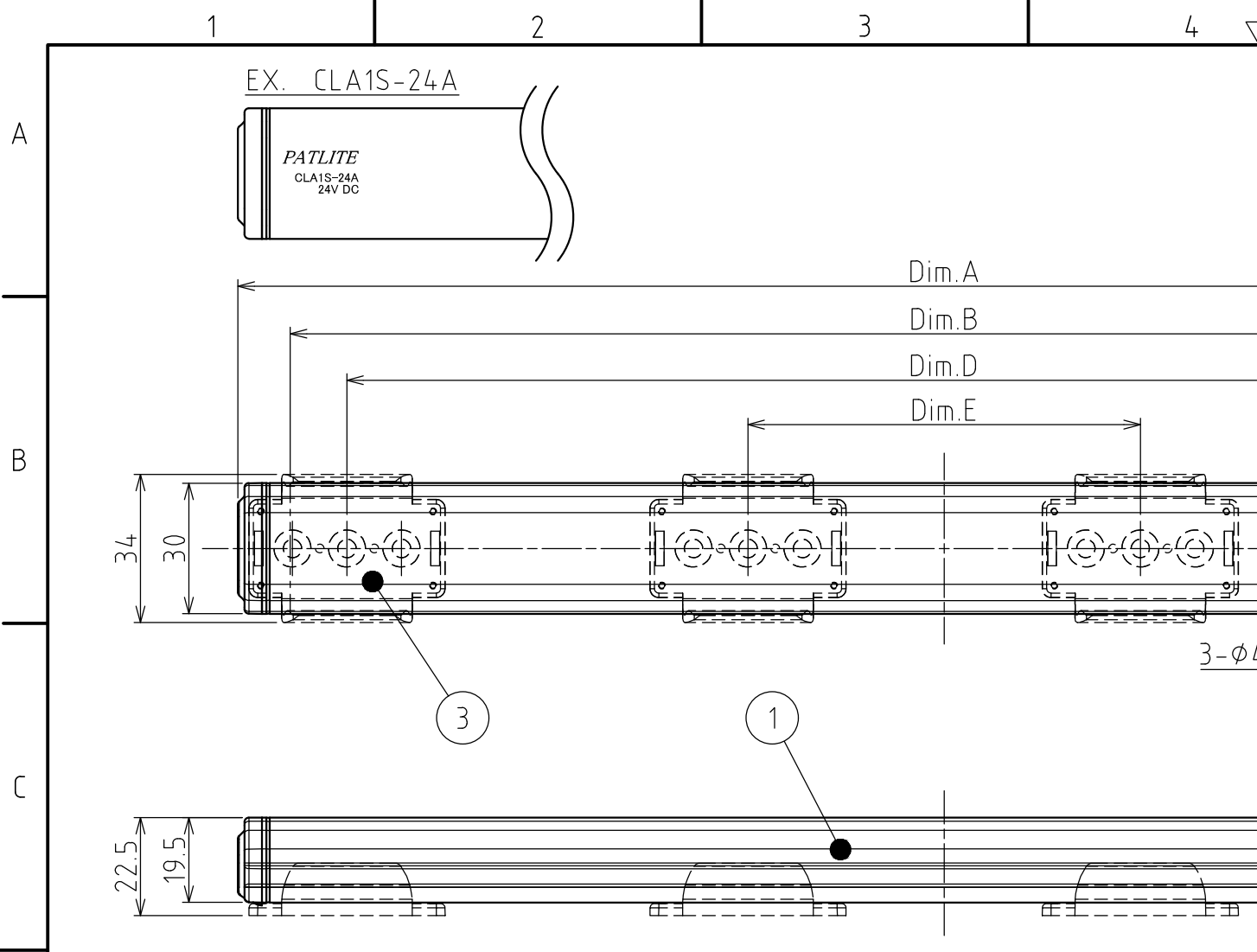
Model	CLA6S-24A-CD(-30)	CLA9S-24A-CD(-30)	
Rated Voltage	24V DC (Polarized)		
Operating Voltage Range	24V DC $\pm 10\%$		
Rated Current Consumption	standard 480 mA $\pm 10\%$	720 mA $\pm 10\%$	
Rated Power Consumption	standard 11.6 W	17.3 W	
Operating Ambient Temperature	-40°C to +60°C		
Operating Ambient Humidity	Less than 90% (No condensation)		
Mounting Location	Indoors		
Mounting Direction	All Directions		
Protection Rating	IP66/67 (IEC 60529) /69K (DIN 40050 part9) (Except Cable Terminal)		
Vibration Resistance	19.6 m/s <sup>2</sup> (30Hz, Back and Forth:2h, Right to Left:2h, Up and Down:2h)		
Insulation Resistance	More than 5M $\Omega$ at 500VDC between the terminals and the chassis		
Withstanding Voltage	500VAC applied for 1min between terminals and chassis without breaking insulation		
Luminous Color	Daylight (CD)		
Color Temperature (typ.)	6800 K		
Illuminance (at 24VDC)	0.3m	1,425 lx	1,575 lx
	0.5m	650 lx	810 lx
	1.0m	200 lx	280 lx
Luminous Flux	690 lm	980 lm	
Mass(Tolerance $\pm 10\%$ )	340 g(425g)	500 g(585g)	
Outer Dimensions	Refer to the Outer Dimension Drawing		
Conformity Standards	UL 2108, CSA-C22.2 No. 250.0 EMC Directive (EN 55011, EN 61000-6-2) RoHS Directive (EN IEC 63000)		
Remarks	<ul style="list-style-type: none"> <li>· Conforms to the CE requirements</li> <li>· UL Listed (File No.E306141)</li> <li>· Specifications may change without notice due to continual product improvement.</li> <li>· Due to the inherent properties of the LED, color variations and hue may occur.</li> <li>· This product's illuminance may be affected when used in airtight conditions.</li> </ul>		

\*Model Number Configuration

CLA□S - 24A - CD - □□



- Cable Length  
Blank : 500mm, -30 : 3000mm
- Luminous Color  
CD : Daylight
- Light Unit Length  
6 : 600mm, 9 : 900mm



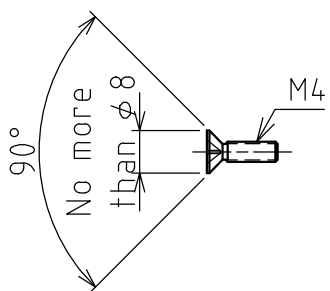
[Chart1 Dimensions]

Model	Dim.A	Dim.B	Dim.D	Dim.E	Accessory Brackets (SZ-310AR)
	Maximum	Lighting	Attachment	Pitch	
CLA1S-24A-CD(-30)	124	100	74	-	2pcs.
CLA2S-24A-CD(-30)	224	200	174	-	2pcs.
CLA3S-24A-CD(-30)	324	300	274	-	2pcs.
CLA6S-24A-CD(-30)	624	600	574	-	2pcs.
CLA9S-24A-CD(-30)	924	900	874	290	4pcs.

[Chart2 C

Model
CLA1S-24A-
CLA2S-24A-
CLA3S-24A-
CLA6S-24A-
CLA9S-24A-

※ 1 : For CLA



Recommended Screw Dimensions

Remarks

1. The screw caps are removable. Please remove them in when using high-pressure water applications.  
( Example: Contamination in a food-processing line)
2. Install the bracket on a sturdy surface with M4 flush-screws, and tighten down with a torque of no more th  
(2 screws recommended.)

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