CWA

LED Light Bar

RoHS CE UL CERTIFIED SAFETY US E306141

CWA-9S-CD

CWA-6S-CD

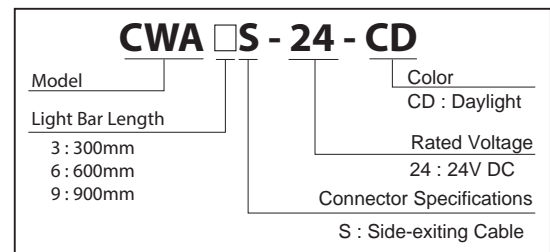**Daylight**

CWA-3S-CD

IP65

Affordable replacement for flourescent lighting.

An affordable replacement, the slim LED light bar can outperform a conventional fluorescent lamp. The protection rating of IP65 is a standard which allows installation in most common environments.

FEATURES

- Available for DC 24V applications
- Long-lasting LED's greatly reduce maintenance costs
- Total luminous flux of 350lm, 100lx luminance at 1m (Voltage: DC24V)
- A set of two stainless-steel mounting brackets is a standard accessory
- Operating temperature range from -30 to +60 degrees C.
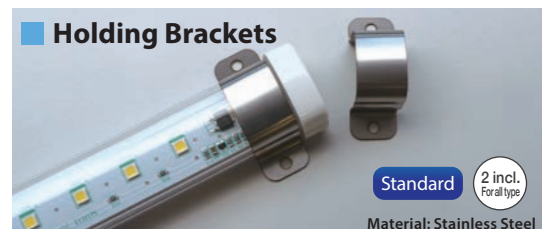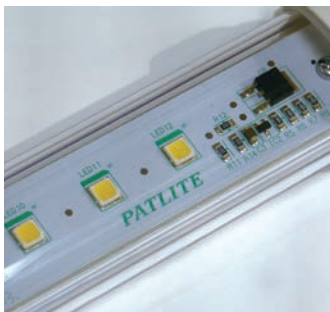- LED color temperature is Daylight (6500K)

How to Order

CWA ☐S - 24 - CD

Model

Light Bar Length
3 : 300mm
6 : 600mm
9 : 900mm

Color
CD : Daylight

Rated Voltage
24 : 24V DC

Connector Specifications
S : Side-exiting Cable

Specifications

Model		CWA3S-24-CD	CWA6S-24-CD	CWA9S-24-CD
Luminous Color		Daylight		
Color Temperature (typ.)		6500K		
Illuminance (at DC24V)	1.0m	440 lx	800 lx	990 lx
Total Luminous Flux (typ.)		350 lm	700 lm	1050 lm
Operating Voltage Range		24VDC ±10%		
Current Consumption		180mA	360mA	540mA
Rated Power Consumption		6W	12W	18W
Operating Ambient Temperature		-30°C - +60°C		
Operating Ambient Humidity		90% RH or less, no condensation		
Main Unit Material		Body: Polycarbonate Resin; Packing: Silicon		
Cable Length		3 meters		
Mounting Location		Indoors		
Protection Rating		IP65 (Cable ends not included)		
Insulation Resistance		500V DC 5MΩ or more		
Withstand Voltage		500VAC for 1 minute (Between terminals and screw)		
Vibration Resistance		30Hz 19.6m/s²		
Mass (Tolerance ±10%)		215g	385g	540g

Standard Accessory

■ **Mounting Brackets**

Standard   2 incl.

Material: Stainless Steel

■ **Holding Brackets**

Standard   2 incl.
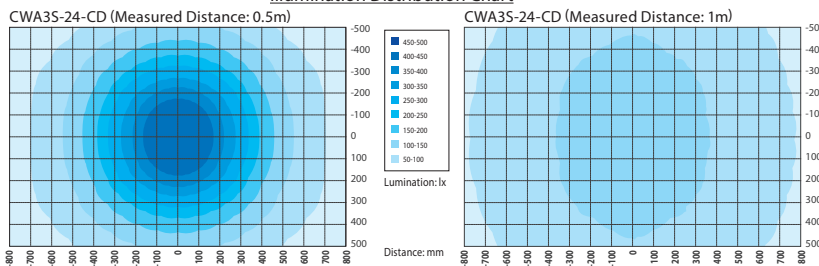For all type

Material: Stainless Steel

■ Highly reliable LED chips are used

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.

High-definition LED chip

■ A uniform light that subdues glare

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

Illumination Distribution Chart

CWA3S-24-CD (Measured Distance: 0.5m)

CWA3S-24-CD (Measured Distance: 1m)

| 450-500 |
| 400-450 |
| 350-400 |
| 300-350 |
| 250-300 |
| 200-250 |
| 150-200 |
| 100-150 |
| 50-100 |

Lumination: lx

Distance: mm

Cost Saving
Energy
ab.82.7% Less

Based on 10 hrs. per day for 365 days

Annual Power Consumption

88kWh — 100V20W Flourescent

15.3kWh — CWA LED Light Bar

Earth Friendly
CO2 Emissions
ab.80.7% Less※

Based on 10 hrs. per day for 365 days

CO2 Annual Power Consumption

31kg — 100V20W Flourescent

6kg — CWA LED Light Bar

Long Life
Lifespan
9 times more

Lifespan

4,000 to 13,000Hrs. — Conventional Flourescent

36,000Hrs. — CWA LED Light Bar

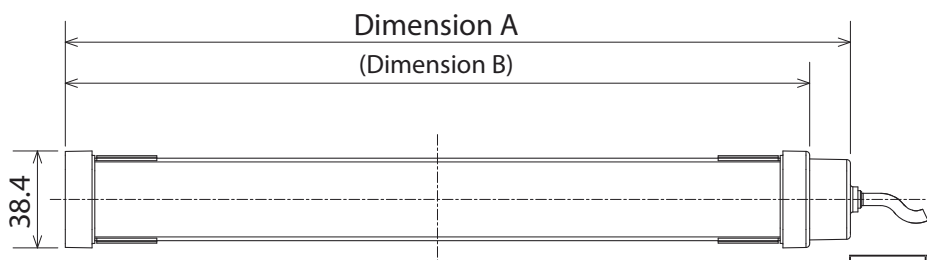### Low Heat
In Comparison
ab.31% Less

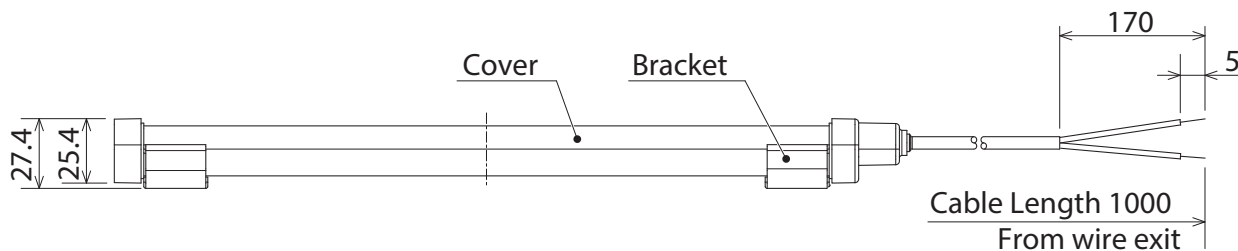Measured 1 hr. after lighting

Heat Radiation

60°C At Room Temperature — Flourescent (FL20SS)

41.5°C At Room Temperature — CWA LED Light Bar

Dimensions (Unit: mm)

Dimension A
(Dimension B)

38.4

Model Name	Dimension A	Dimension B
	Total Length	Lighting Area
CLA3S	315.5	300
CLA6S	621.0	600
CLA9S	916.5	900

170
5

Cover   Bracket

27.4
25.4

Cable Length 1000
From wire exit

Wiring

External Fuse

Pink (+)
24V DC Power
(−)
Sky Blue
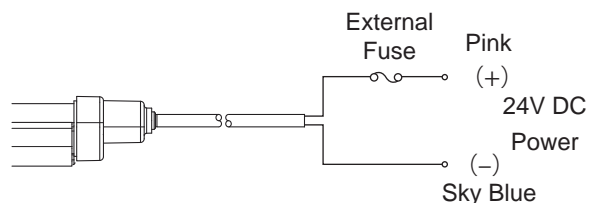
[Enforced]

There is no protection rating for the area surrounding the tip of the cable.
To ensure insulation of water intrusion, the use of fillers (such as silicon, etc.) to plug up the tip part is recommended.