

## Datasheet

### 1515 SOB White Chasing Flow LED Strip

**360LEDs/m**

**PF5000x10-1800DL1515SOB-xx-24V**



#### Features

- Chasing flow light, creating dynamic lighting effects
- White chasing flow
- Mini LED strip controller with 6-key panel wireless remote control.
- Utilizes high-quality LED chips, for stable and uniform lighting.
- 360 LEDs/metre, high density & consistent brightness.
- Wide range of applications.

**Part No.: PF5000x10-1800DL1515SOB-xx-24V**

**SMD Type:** 1515 SMD LED **Density:** 360 LEDs/m **Voltage:** DC 24V **Power:** 15W/m

**Lumen/m (max.):** 1174 lm/m @4000K **Lumen/W (max.):** 78 lm/W @4000K

**Colour Temperature options:** WW/NW/CW

**CRI:** Ra ≥90, Ra ≥95

**PCB Width:** 10mm

**Beam Angle:** 120°

**IP Process:** IP20, IP65, IP66, IP67, IP68

**Warranty:** 3 years

## Specifications

**Length (max.):** 5M(16.4')/roll

**Cutting Unit:** 30LEDs/83.333mm(3.28")

**LED Spacing:** 2.779mm(0.11") **LED Height:** 2.1mm(0.08") **Mounting:** 3M tape

**Min. Bend:**  $\Phi$ 60mm(2.36")

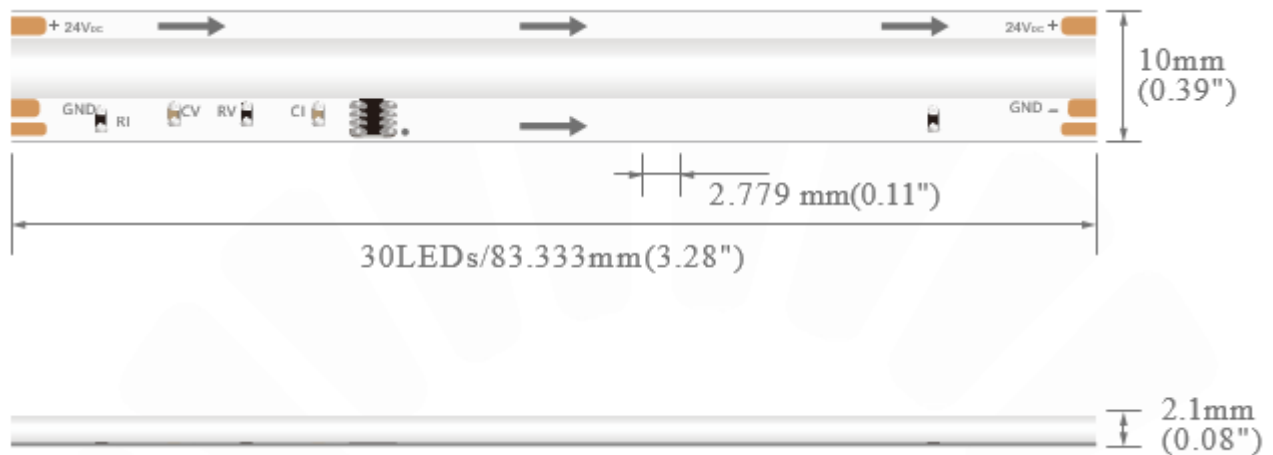
**Copper foil:** 3oz

**Lifetime:** 50000h

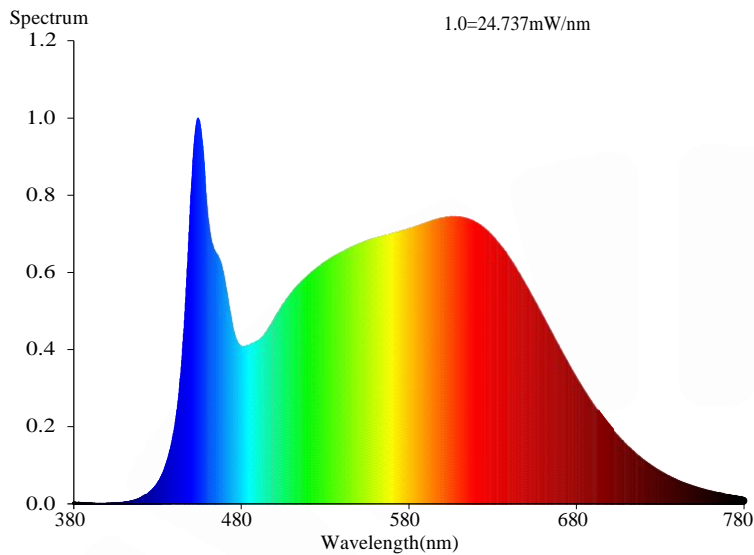
**Eye security:** IEC 62471 **Certified:** CE/RoHS

**EMC compliance:** EN 55015

## Dimensions



## Light Distribution



Flux out: 920.16 lm

1m	100.247,383.719 lx	346.41 cm
2m	25.055,95.904 lx	692.82 cm
3m	11.138,42.632 lx	1039.23 cm
4m	6.263,23.972 lx	1385.64 cm
5m	4.009,15.345 lx	1732.05 cm
6m	2.784,10.656 lx	2078.46 cm
7m	2.045,7.830 lx	2424.87 cm
8m	1.566,5.995 lx	2771.28 cm
9m	1.237,4.736 lx	3117.69 cm
10m	1.002,3.837 lx	3464.10 cm
Height	Eavg, Emax	Angle: 119.00deg Diameter

Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

## Photo-electric Parameters

Power	CRI	Color	Color Temperature	LM/m	LM/W	Erp
15W/m	Ra≥90	SWW	1800K	888	59	G
		WW	2700K	1070	71	G
		WW	3000K	1127	75	G
		NW	4000K	1174	78	G
		PW	6500K	1126	75	G
15W/m	FS	WW	2700K	868	58	G
		WW	3000K	916	61	G
		WW	3500K	944	63	G
		NW	4000K	969	65	G

1. The tolerance of output data is ±10%.
2. The above data is based on IP20, 1mete

**Handling notes:**

Ensure that the correct low voltage dc power supply is matched to the flexible strip specification

Avoid repeated bending of the strip as this will damage the circuit and components and please observe the maximum bend radius of 30mm

Avoid handling of the surface components in particular the LED emitters as any pressure may result in damage and latent failures. When cutting IP65 the ingress protection will be compromised please ensure that the assembly is re-sealed accordingly in order to maintain the IP rating

**Installation notes:**

To achieve a consistent luminous effect, each 5 metre should be connected to the power source.

To ensure long life we recommend that the strip is kept as cool as possible and environments where the temperature exceeds 40°C should be avoided

**Drive & Control:**

For control solutions please refer to our range of controllers and drive options which include DMX, RF Wireless, WiFi. More information may be found at <http://www.plusopto.co.uk/led-controllers.html>

Specifications may be subject to change without notice