

short form data

FlexiLED-0BA **tunable-white**

FlexiLED series



L/70 at 13K hrs: 13,000 hours to 70% of initial light output backed by a 3-year warranty means dependable, high quality LED lighting modules for the sign maker

Description

FlexiLED - 0BA tunable-white is a flexible, ribbon like, LED lighting system that enables the user to easily dial in the desired white colour-temperature of their lighting.

Choosing the right colour temperature for retail typically varies based on the brand, atmosphere, and even location. Having the option to change this appearance can be a dynamic, invaluable tool for the retailer.

FlexiLED - 0BA tunable-white can be cut into shorter segments at points marked at 62mm intervals and each segment includes 6pcs dual colour 3528 LEDs. The maximum single series length that can be powered is one reel of 5 metres. An additional length can be connected in parallel. The ribbon has a peel off and self-adhesive 3M backing for fast and easy fixing to most de-greased surfaces.



One pack of **FlexiLED – 0BA tunable-white** consists of 480pcs LEDs in a 5 metre long ribbon supplied on a plastic reel dispenser in an anti-static foil bag.

- Beam angle 115°
- Dual white 3825 top view SMD LED (96pcs per metre)
- High brightness and efficiency (92 lumens per Watt in White)
- Short cutting interval (62mm / 6pcs dual colour LEDs)
- For normal indoor use (IP20)
- Easy solder and oxidation resistant silver tin-plated solder pads
- Safe, low power operation (24VDC)
- 3 years or 13,000 hours warranty*



White and warm-white LEDs combined in one linear array

Applications

User adjustable white LED lighting colour-temperature from 2800 to 6500K ideal for retail POS, display, décor, contour and cove lighting.

Compliance

IP20 RoHS C E



Controllable, adjustable, adaptable white LED lighting for designed retail displays



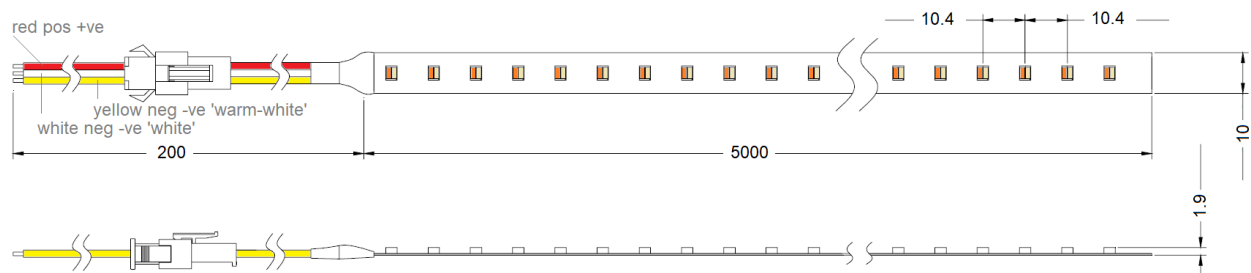
As merchandise is shifted around the retail space, simply use the remote handset to adjust the brightness of the dual white and warm-white LEDs and create the ideal lit effect



Warm, neutral, cool LED lighting or something in between; store staff user control makes this easy




Dimensions



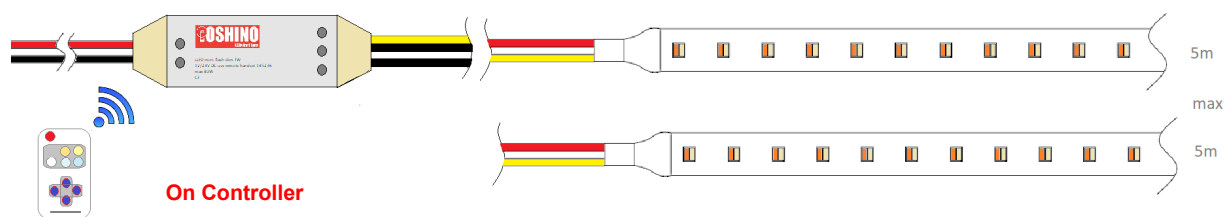
cut at marked interval 62.4mm / 6 dual LEDs

Tightest allowable bend radius is 30mm

LED controller

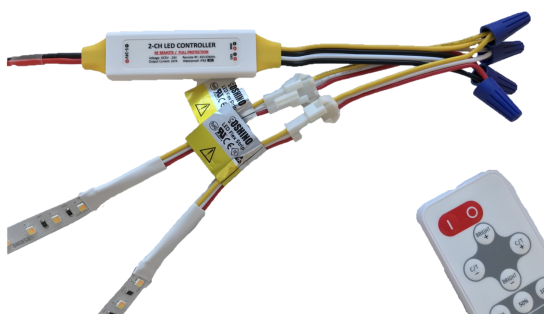
Product	Input (V DC)	Output (W) max	Load (A) max	Features	IP	Warranty (years)
R05 2CH dual-colour tunable-white inline dimmer with remote handset 	24	170	7	Short-circuit protection Over-current protection Over-temperature protection Auto recover from fault Connection via flying leads Max range 10metres line-of-sight Handset uses 1pce CR2025 coin battery, supplied	20	1

R05 is a 2-channel dual-colour RF LED 24V 6A max remote handset and inline dimmer / controller



On Controller

2pcs BLACK are pos +ve wires and 1pce connects to RED of 1pce reel FlexiLED (there are TWO BLACK pos +ve wires for connecting one each to 1pce reel FlexiLED)
 1pce WHITE is neg -ve and connects to WHITE of 1 or 2pcs (max) reels FlexiLED and controls the white LEDs
 1pce YELLOW is neg—ve and connects to YELLOW of 1 or 2pcs (max) reels FlexiLED and controls the warm-white LEDs



On FlexiLED

Red = pos +ve
 White = white LED neg -ve
 Yellow = warm-white LED neg -ve

1pce controller with remote handset plus 200W 24V DC LED driver will operate up to 2pcs reels **FlexiLED-0BA tunable-white** (5metres each and in parallel)

Use the 4pcs wire nuts supplied with each controller to connect the FlexiLED to the controller

LED drivers

See our data sheet 'LW range 24V' version for more information

Part no.	Suitable for qty reels	Max. Watts / Amps	L x W x H	IP	Eff. %	SELV output	Class	Warranty (years)
PSU100/24/IP68/R	1pce	85 / 3.5	204 x 67 x 35	68	90	Y	I	5*
PSU200/24/IP68/R	2pcs	170 / 7	295 x 59 x 36	68	88	Y	I	5*



Optional joining connector

1CN-07-077
pack of 10pcs



LED driver 24V DC

Specifications

Optical and electrical data typical @ ta 25°C +/-2° @ 12V | Ambient operating temp. range -25 to 60°

Product	LED Colour	Colour Temperature (K) / Wavelength (nm)	Beam Angle (°)	Luminous Flux (lm/m)	Input (V DC)	Reel Length (metres)	Power (W) /metre	
							1m	5m
FlexiLED-0BA tunable-white 24V, 67W, IP20, 5metre reel	warm-white	2700	115°	780	24	5	9	67
	white	6500		820				

- * whichever occurs first
- L/70 lumen depreciation is accelerated when operating temperature range is exceeded
- maximum series powered length is 1 reel / 5 metres
- Tightest bend is a 30mm radius



Our Design Guide is for reference only and the ideal appearance should be checked with a lit trial | Dimensions in millimetres | Data subject to our Terms and Conditions and are liable to change without notice | E&OE | © Oshino Lamps (UK) Limited Sept 2020

