OSHINO
LEDs for Signs

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-0BA120 Indoor is the new and improved version of our flexible, ribbon like, indoor use LED lighting system with 120pcs LED per metre.

Now more than <u>twice as bright</u> as the equivalent previous product it replaces but consuming a very similar low power, **FlexiLED-0BA120 Indoor** is our most efficient and economical to use FlexiLED ever.

FlexiLED - 0BA120 Indoor can be cut into shorter segments at points marked at 25mm intervals. A new introduction of silver-tin plated pad design makes for oxidisation resistant and easy to solder connections. Each segment includes 3pcs LEDs. The maximum single series length that can be powered is one reel of 5 metres. Additional lengths can be connected in parallel. A conformal coating protects the componentry from moisture and dust but is unsuitable for exterior, wet or normally damp conditions. 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 – 0BA120 Indoor** consists of 600pcs LEDs in a 5 metre long ribbon supplied on a plastic reel dispenser in an anti-static foil bag.

- Beam angle 115°
- 2835 SMD LED (120pcs per metre)
- High brightness & efficacy up to 94lm/Watt
- Short cutting interval (25mm / 3pcs LEDs)
- Normal indoor use (IP20)
- Easy solder and oxidisation resistant silver-tin plated solder pads
- Clip-on 2-pole connectors are available
- 3 years or 13,000 hours warranty*

8mm wide and can be cut at marked intervals and pieced together using optional connector accessories

Applications

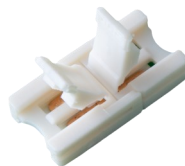Edge lighting, halo-lit effects, cove lighting, POS
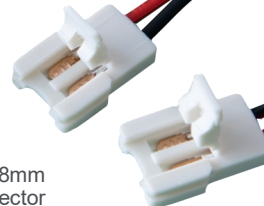
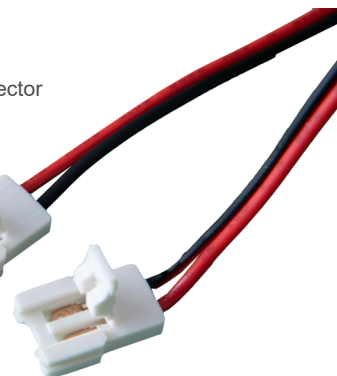## Compliance

IP20 **RoHS** CE

Optional connectors

1CN-07-070
8mm tail connector

1CN-07-072
8mm butt joint connector

Cut-to-length at marked points.

1CN-07-071 8mm double connector

Dimensions

200

29   8.2

5000

8

cut at marked interval 25mm / 3 LEDs

Minimum bend radius is 50

2.3
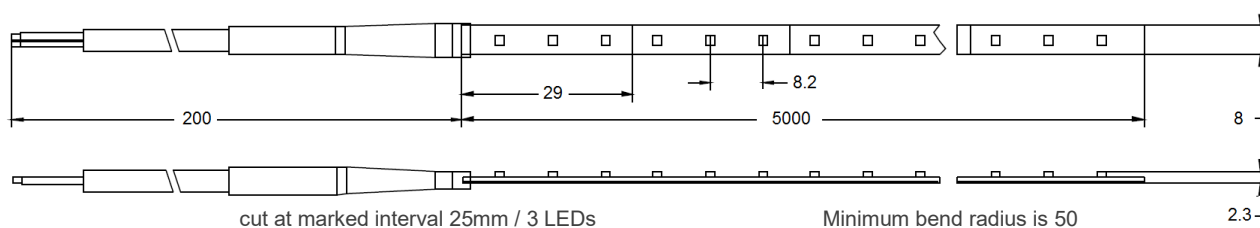
LED Drivers See our data sheet 'LW series' for more information

Part no.	Suitable for qty Reels / 5M	Recommended max Watts / Amps	LED driver dimensions L x W x H	IP	Eff.%	SELV output	Class	Warranty (years)
PSU60/12/IP68/R	1	51 / 4.25	182 x 44 x 34	68	86	Y	I	5
PSU150/12/IP68/R	3	127 / 10.5	230 x 67 x 35	68	92	Y	I	5

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

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-0BA120 Indoor	Warm White	3000 (+/-200)	115	770	12 (11.4 ~12.6)	5	8.6	34
	Pure White	6500 (+/-200)		810			8.6	34
	Red	620-625		240			10.3	40.4
	Green	525-530		370			8.6	34
	Blue	465-470		108			8.6	34
	Yellow	585-590		180			10.3	40.4

- Order FlexiLED-0BA120 + colour
- * whichever occurs first
- L/70 lumen depreciation is accelerated when operating temperature range is exceeded
- maximum series powered length is 1 reel / 5 metres

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 8/2020

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