

short form data

FlexiLED-BA120

FlexiLED series



L70 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-BA120 is the new and improved version of our flexible, ribbon like, LED lighting system with 120pcs LED per metre.



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

With a broad beam angle (115°), high brightness and low power consumption (810 lumens and 8.6 watts per metre in Pure White) this is ideal for use within signs with constricted spaces or elaborately contoured shapes.

A low-profile silicon spray coating gel encapsulates the ribbon and protects the componentry from dust and moisture ingress (IP65) and is suitable for wet or normally damp conditions but is unsuitable immersion or submersion.

FlexiLED-BA120 can be cut at marked intervals. Where cut lengths are used care should be taken to re-seal the ribbon's cut edges using an adhesive silicon resin (RTV). A new introduction of silver-tin plated pad design makes for oxidation resistant and easy to solder connections. The ribbon has a peel-off and self-adhesive backing for fast and easy fixing to most de-greased surfaces. A 2-core flying-lead cable is soldered and heat-shrunk onto one end.

One pack of FlexiLED-BA120 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) and an 8mm wide pcb
- High brightness & efficacy up to 94lm/Watt
- Short cutting interval (25mm / 3pcs LEDs)
- Dust and weather resistant (IP65)
- Easy solder and oxidation resistant silver-tin plated solder pads
- 3 years or 13,000 hours warranty*



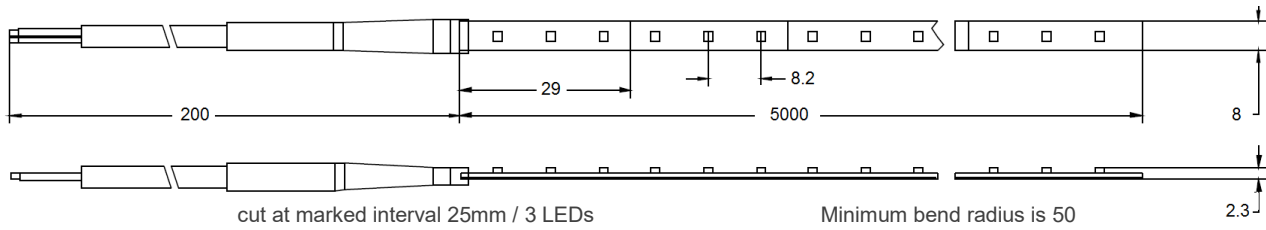
Applications

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

Compliance

IP65 RoHS CE 

Dimensions



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	95	Y	I	5

Specifications

Optical and electrical data typical @ t_a 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-BA120	Warm White	3700 (+/-200)	115	770	12 (11.4 ~12.6)	5	8.6	34
	Pure White	7900 (+/-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-BA120 + colour
- * whichever occurs first ** colour temperature and wavelength is for bare LED; a shift to cooler is inherent to silicon coating
- 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 Sept 2020

