

short form data

FlexiLED-0BA narrow

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 narrow is a flexible, ribbon like, LED lighting system intended for edge lighting acrylic PMMA light-sheet type materials.

FlexiLED - 0BA narrow can be cut into shorter segments at points marked at 55mm intervals and a segment includes 7pcs LEDs. Each reel is supplied with convenient double-ended inputs meaning that one 5 metre length could be cut in two and these lengths powered via their flying leads - eliminating the need to solder one pair of leads. 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.



Double-ended input: supplied with power-in flying-leads on BOTH ends of the 5 metre long reel for easy use when edge-lighting profiles

One pack of **FlexiLED - 0BA narrow** consists of 630pcs LEDs in a 5 metre long ribbon supplied on a plastic reel dispenser in an anti-static foil bag.

- Beam angle 110°
- 2014 top view 2mm SMD LED (126pcs per metre)
- High brightness and efficiency (87 lumens per Watt in White)
- Short cutting interval (55mm / 7pcs LEDs)
- For normal indoor use (IP20)
- Double-ended input: flying-leads at both ends
- Easy solder and oxidation resistant silver tin-plated solder pads
- Safe, low power operation (24VDC)
- 3 years or 13,000 hours warranty*



Use with suitable aluminium carrier / heat-sink when edge lighting

Applications

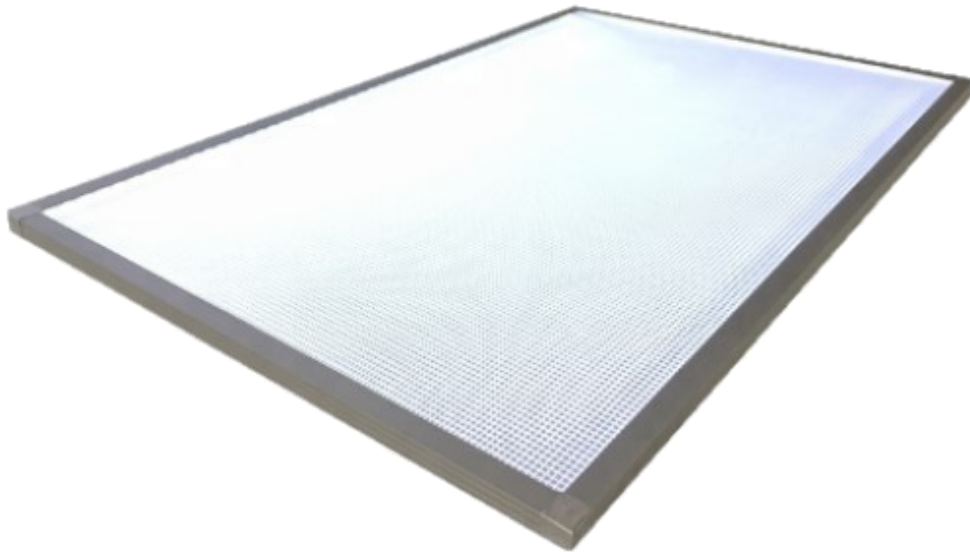
For edge lighting laser dotted PMMA acrylic sheet and other general indoor lighting features

Compliance

IP20 RoHS CE

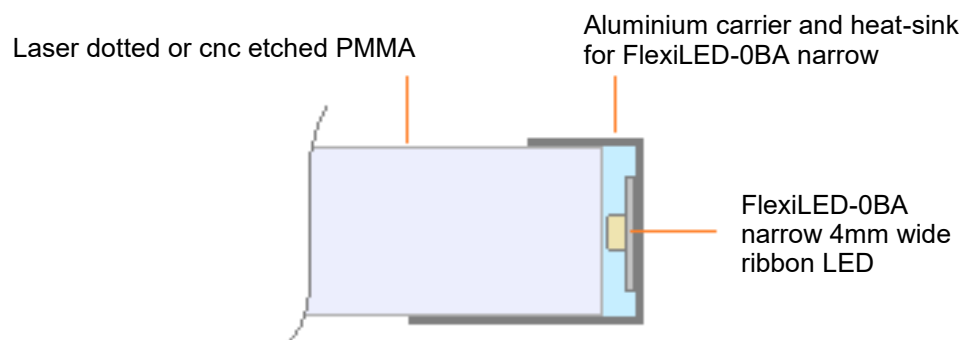


For edge-lighting PMMA LED light sheets

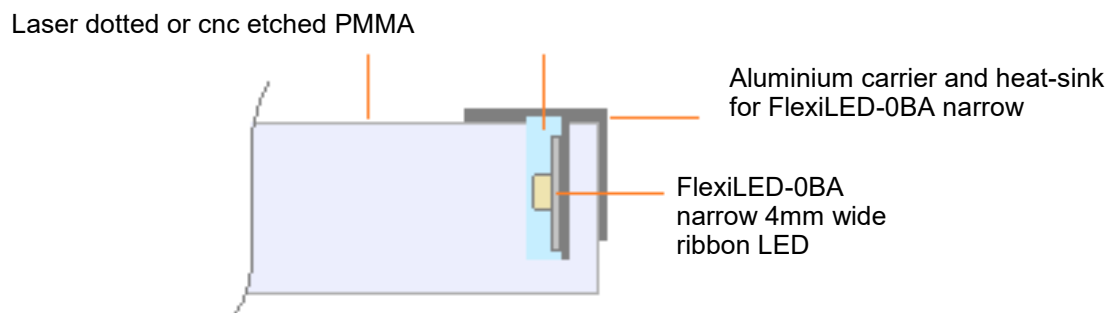


Edge mount LED with one of two methods

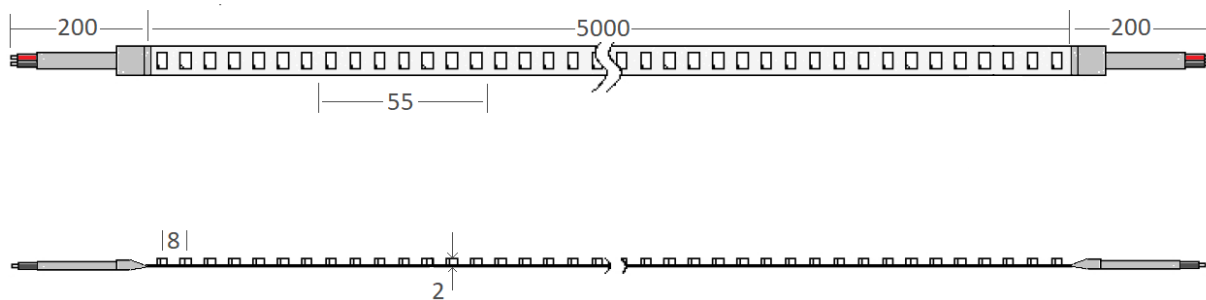
Surface



Embedded



Dimensions

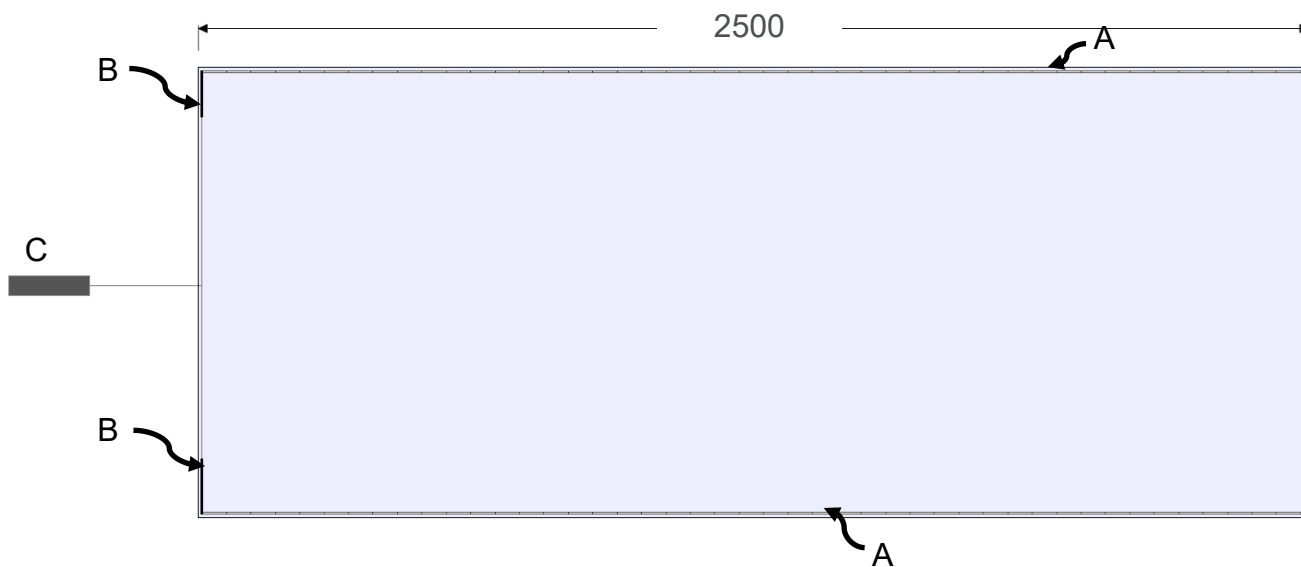


cut at marked interval 55mm / 7 LEDs

Tightest allowable bend radius is 30mm



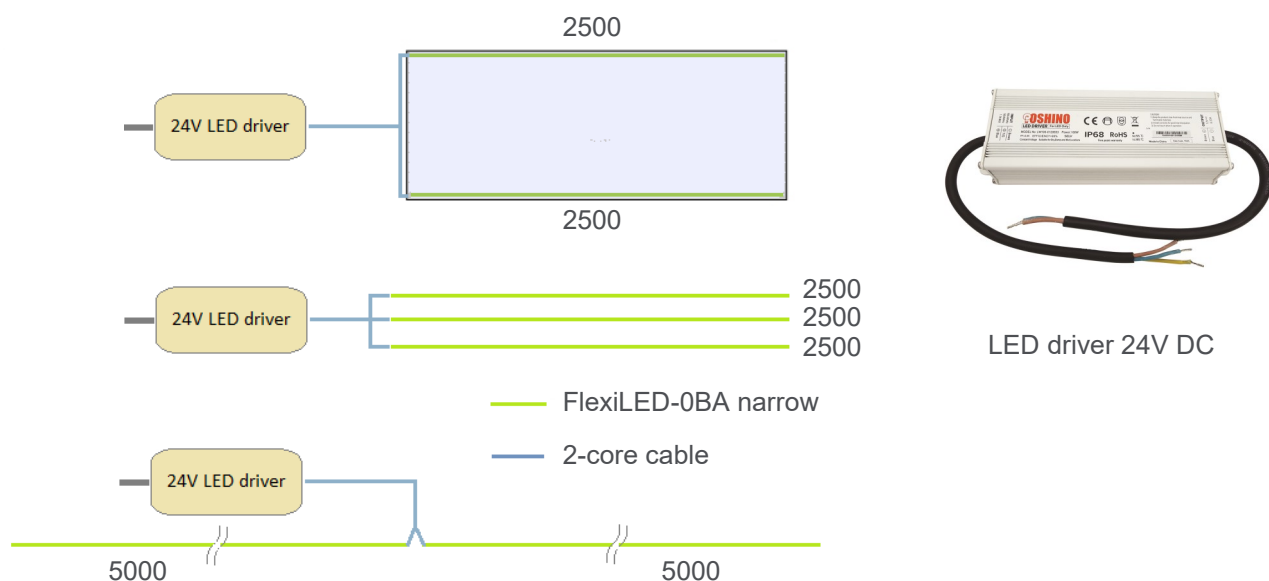
Edge-lighting with 1pce reel FlexiLED-0BA narrow 5metres long cut in half and used to light two long edges 'A' powered via the flying-leads supplied at each end 'B' and a 60W 24V LED driver 'C'



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)
PSU60/24/IP68/R	1pce	51 / 2.12	182 x 34 x 44	68	86	Y	I	5*
PSU100/24/IP68/R	2pcs	85 / 3.54	204 x 67 x 35	68	90	Y	I	5*

Parallel connections



Specifications

Product	LED Colour	Colour Temperature (°K) +/- 250	Beam Angle (°)	Luminous Flux (lm/m)	Efficacy (lm/W/m)	Input (V DC)	Reel Length (metres)	Power (W) /metre	
								1m	5m
FlexiLED-0BA narrow 24V, 36W, IP20, 5metre reel	warm-white	3000	110°	710	82	24	5	8.6	36
	white	6500		750	87				

- * whichever occurs first
- Order codes: FlexiLED-0BA narrow warm-white // FlexiLED-0BA narrow white
- Must be used with a suitable heat-sinking aluminium carrier / mounting strip
- 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

