

short form data

## S-LED backlighting panel

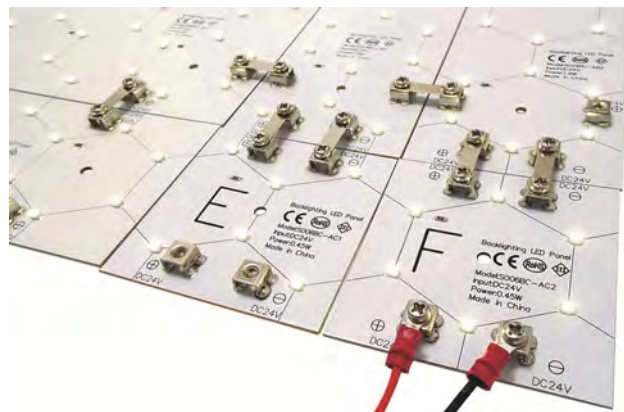
S-LED series



**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

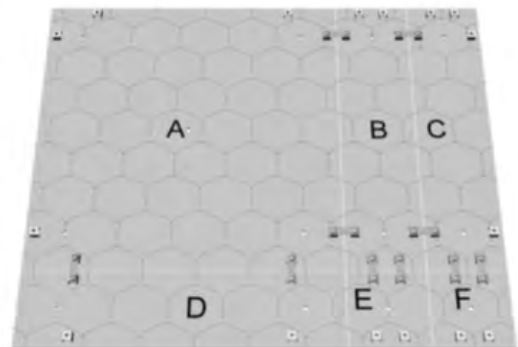
### Description

**S-LED** is an LED back lighting panel system designed for internally lit poster box and fabric-face sign boxes. Comprising a series of six different, ready to install LED lighting panels in three sizes with a fixed LED pitch in an ideal hexagonal 'honeycomb' matrix producing an exceptionally good lit uniformity of fabric skins, durable transparencies and substrates in boxes with returns from just 50mm to 100mm deep.



Available in three colour-temperatures ranges: 4300, 5100 and 6500

- Beam angle 115°
- 3528 SMD LEDs (1066pcs / sq M)
- Bright (5560lm / sq M) and efficient ( $\geq 72$  lumens / Watt)
- Low power consumption (80W/ sq M)
- CRI  $\geq 75$
- Normal indoor use (IP20)
- Safe, low power operation (24VDC)
- 3 years warranty or 13,000 hours operation whichever occurs first



S-LED backlighting panels tile together to fit most sign boxes

### Applications

Backlighting shallow and medium depth sign boxes from 40 to 100mm deep

### Compliance

**IP20 RoHS CE**

## Design Guide

Three example layouts using combinations of S-LED panels and how many that can be powered from a selection of LED drivers

Fig.1

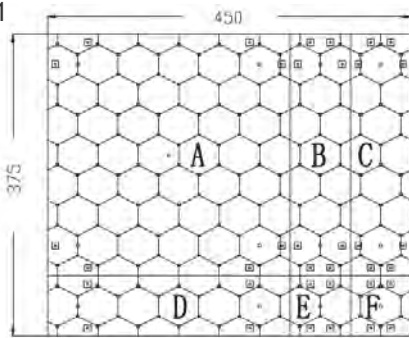


Fig.2

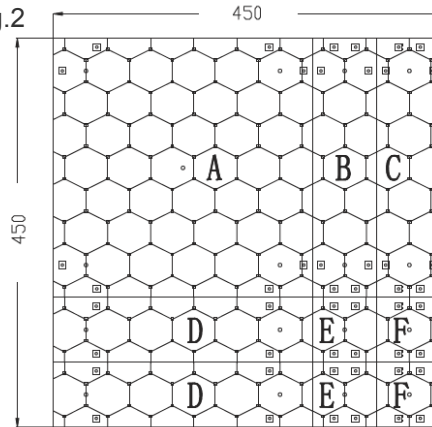
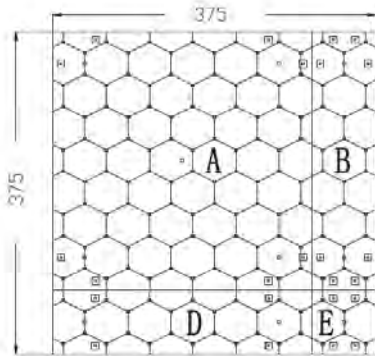


Fig.3



Connecting (power) strips and machine screws are supplied. Red crimp ring terminals and connecting wires are not included



LED driver to power	Max. area of panels / m <sup>2</sup>	Max. no. as Fig.1	Max. no. as Fig. 2	Max. no. as Fig. 3
PSU30/24/IP68/R	0.27	1	1	1
PSU60/24/IP68/R	0.66	3	3	4
PSU100/24/IP68/R	1.08	6	4	7
PSU150/24/IP68/R	1.66	9	8	11

## Specifications

Optical and electrical data typical @ ta 25°C +/-2° @ 24V | Ambient operating temp. range -25 to 60°C

Part Number	Ref	Colour Temp (K)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Working Current (mA)	Power (W)	Dims (mm)	LEDs	Wt (g)	Panel Area / 1 sq M
S096BC-AA1 - 6500	A	6500 +/- 500K	501	72	288	6.90	300x300	96	262	0.09
S024BC-AB1 -6500	B		139	77	75	1.80	300x75	24	73	0.0225
S024BC-AB2 -6500	C		139	77	75	1.80	300x75	24	73	0.0225
S024BC-AB3 -6500	D		139	77	75	1.80	300x75	24	20	0.0225
S006BC-AC1 -6500	E		35	78	19	0.45	75x75	6	20	0.00562
S006BC-AC2 -6500	F		35	78	19	0.45	75x75	6	20	0.00562

\* L/70 lumen depreciation is accelerated when operating temperature range is exceeded. See full data sheet for more information



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) Ltd 4/2016

