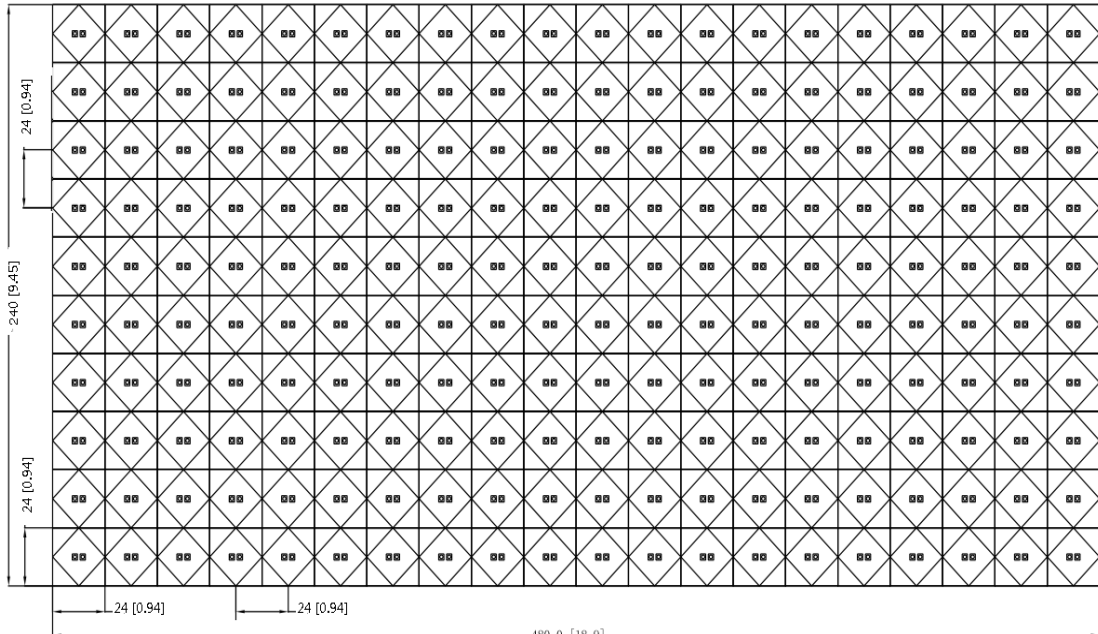


Sign Backlight Series | 2835 LED Light Sheet | AX-24-FE72

- Plus Series using top quality material, such as Epistar chip, Intermatrix phosphor powder, ShinEtsu & Dow Corning glue, Heraeus 99.99% pure golden wire, pure copper etc.
- Sign Backlight Series in light sheet appearance, allows flexible cuttable (by single LED) and on-site board-to-board split joint (by cable soldering or on-board connector) into multiple shapes, such as linear, square, rectangle, donut, L, T, S, + etc., applying at advertising word, signboard light box or abnormality mount scene.
- For curvy, space-sensitive backlighting solutions requiring the thinnest of lighting solutions. Light sheet is great for back projects where a lighting solution that is both thin and bendable may be needed to fit into soft, curving surfaces and spaces
- Backlight for showcase, shelf, billboard, signage with features of small size and thin width.



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Part. No.	Dimension (L*W*H)	IP Rating	Lumen Flux ± 10% @CRI80&4000K&20W	Light Eff. @CRI80&4000K&20W	Lumen Flux ± 10% @CRI90&4000K&20W
AX-24-FE72N-A [AX-N2835XX-24-CV-400-FE72]	480*240*1mm [19*9.5*0.04in.]	IP20 [dry]	1860lm/sheet, 9.3lm/unit piece 16180lm/m ² [1490lm/ft ²]	93lm/W	1580lm/sheet, 7.9lm/unit piece 13750lm/m ² [1270lm/ft ²]

Part. No.	Dimension (L*W*H)	IP Rating	Lumen Flux ± 10% @CRI80&4000K&40W	Light Eff. @CRI80&4000K&40W	Lumen Flux ± 10% @CRI90&4000K&40W
AX-24-FE72N-A [AX-N2835XX-24-CV-400-FE72]	480*240*1mm [19*9.5*0.04in.]	IP20 [dry]	3600lm/sheet, 18lm/unit piece 31320lm/m ² [2880lm/ft ²]	90lm/W	3060lm/sheet, 15.3lm/unit piece 26620lm/m ² [2450lm/ft ²]

Part. No.	Dimension (L*W*H)	IP Rating	Lumen Flux ± 10% @CRI80&4000K&60W	Light Eff. @CRI80&4000K&60W	Lumen Flux ± 10% @CRI90&4000K&60W
AX-24-FE72N-A [AX-N2835XX-24-CV-400-FE72]	480*240*1mm [19*9.5*0.04in.]	IP20 [dry]	5280lm/sheet, 26.4lm/unit piece 45940lm/m ² [4220lm/ft ²]	88lm/W	4490lm/sheet, 22.4lm/unit piece 26620lm/m ² [3590lm/ft ²]

Part. No.	Dimension (L*W*H)	IP Rating	Lumen Flux ± 10% @CRI80&4000K&90W	Light Eff. @CRI80&4000K&90W	Lumen Flux ± 10% @CRI90&4000K&90W
AX-24-FE72N-A [AX-N2835XX-24-CV-400-FE72]	480*240*1mm [19*9.5*0.04in.]	IP20 [dry]	7560lm/sheet, 37.8lm/unit piece 65770lm/m ² [6050lm/ft ²]	84lm/W	6430lm/sheet, 32.1lm/unit piece 55910lm/m ² [5140lm/ft ²]

GENERAL PARAMETERS		PHOTOELECTRIC PARAMETERS	
Dimension	Sheet: L480*W240mm [L19*W9.5in.] Unit Piece: L24*W24mm [L0.9*W0.9in.]	Power ± 10%	Sheet: 20W / 40W / 60W / 90W Unit Piece: 0.1W / 0.2W / 0.3W / 0.45W 174W/m ² [16W/ft ²] / 348W/m ² [32W/ft ²] / 522W/m ² [48W/ft ²] / 783W/m ² [72W/ft ²]
Rated Sheet Input Current/Voltage & Max. Load Sheet QTY	Sheet: 10A/240W & 11pcs@20W, 5pcs@40W, 3pcs@60W, 2pcs@90W (for 240W) / 4pcs@20W, 2pcs@40W, 1pcs@60W, 1pcs@90W (for 100W)	Max. Length Per Single Row or Column @power fed on one side (In worst case of cut into a normal linear LED strip in only one row or one column, and need to consider the voltage drop coefficient.)	15M [49.2ft.]@20W, 7M [23ft.]@40W, 5M [16.4ft.]@60W, 3M [9.8ft.]@90W
LED Pitch	24*24mm [0.9*0.9in.]	Input Voltage	24VDC
LED Type	SMD2835 white	LED Current	2mA/LED & 4.2mA/LED & 6.3mA/LED & 9.4mA/LED
LED QTY	Sheet: 40(Row)*10(Column)=400pcs, Unit Piece: 2pcs	LED CCT & Wavelength	2700K&3000K&3500K&4000K&5000K&6500K
PCB Type	2oz white FPC, OSP (Plus)	SDCM	ErP / ANSI Norm, 3 step (Plus)
Operating Ambient	Ta: -20~45°C	CRI	Ra≥80 & 90
Warranty	5 years (Plus)	Beam Angle	120°
Lifespan	50kh (L70B50@Tc<65°C, Tc is temperature of LED pin)	Dimming Method	PWM (dimnable driver like RF, Bluetooth, 0/1-10V, Triac, DALI, DMX, WIFI etc.)
Certification	CE, UL, RoHS		

Note 1: Luminous flux for CCT 2700K is 10% lower, for CCT 3000K/3500K is 5% lower, for CCT 5000K/6500K is the same, compared with 4000K.

Note 2: Transmittance for IP54/IP67/IP68, 2700K/3000K is 95%, 3500K/4000K is 90%, 5000K/6500K is 80%; for IP65/IP54 Plus/IP67 Plus is 95%.

Note 3: Applying with extra heat sink is not mandatory by self-cooling.

Note 4: 3M 300LSE yellow adhesive tape attached on backside, is standard configuration of Plus Series.

Note 5: In order to get uniform area light without light-spot, the distance between light sheet and sign is ≥36mm[1.42in.], means 1.5 times of LED pitch.