co:lab

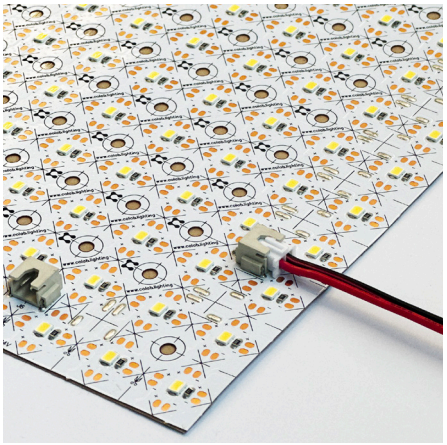
Project:
Type:
Model:

Backlite

11W / 22W / 33W Flexible LED Strip Lighting

WATTAGE **11W / 22W / 33W** | **120°** | **3-Step** | **Bluetooth** | DALI | CE | **WARRANTY 5YR**

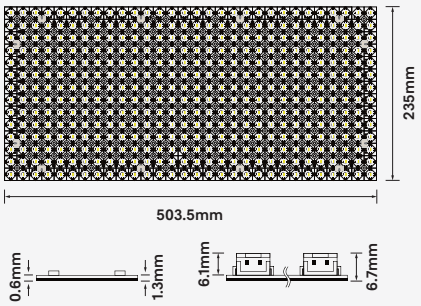
CRI (Ra) **>90** | **24VDC** | SINGLE **BIN** | IP **20**



Backlite presents an efficient and versatile 24V flexible LED sheet that can be used for a vast range of back lighting applications. Available in multiple wattage options and comes as standard with a CRI of 90+ and a 3-Step-Mac-Adams ellipse for greater colour fidelity and consistency. Unique single cuttable LED technology allows for greater creativity and flexibility.

Utilising Vossloh-Schwabe, Tridonic or Meanwell constant voltage LED drivers. Optional DALI-2 dimming, or Bluetooth Wireless upon request. The Backlite series offers a 5 year warranty.

- Luminaire wattage: 11W / 22W / 33W (per sheet)
- Luminous flux/m: 1012-1144Lm; 2024-2156Lm, 3036-3432Lm[2]
- Luminaire efficacy: 92Lm/W[1]
- Correlated colour temperature: 2700K, 3000K, 4000K
- Colour rendering index: >90[3]
- Mac-Adams Ellipse: 3-SDCM; Single Bin CCT selection
- LED Source / Quantity: SMD2835; 420pcs/sheet
- Dimension: Width 235 x Length 503.5mm
- Symmetrical distribution: 120°
- Minimum cuttable Section: 1pcs x SMD LED
- Ingress protection rating: IP20
- Longevity: >50,000Hrs L80
- Driver: Requires constant voltage 24VDC non-dimmable LED driver as standard[4]
- Dimming: Remote DALI-2, BLE (basicDIM Wireless/ Casambi) on request[4]
- Warranty: 5 years[5]



Model	Luminous Flux/m²	LED Wattage/m	CCT	CRI[3]	Distribution	Number of LED/Sheet
BACKLITE-11W-27K	1012Lm	11W	2700K	>90	120°	420
BACKLITE-11W-3K	1012Lm	11W	3000K	>90	120°	420
BACKLITE-11W-4K	1144Lm	11W	4000K	>90	120°	420
BACKLITE-22W-27K	2024Lm	22W	2700K	>90	120°	420
BACKLITE-22W-3K	2024Lm	22W	3000K	>90	120°	420
BACKLITE-22W-4K	2288Lm	22W	4000K	>90	120°	420
BACKLITE-33W-27K	3036Lm	33W	2700K	>90	120°	420
BACKLITE-33W-3K	3036Lm	33W	3000K	>90	120°	420
BACKLITE-33W-4K	3432Lm	33W	4000K	>90	120°	420

For Non-dimming add suffix ND
For DALI-2 dimming add suffix D
For BLUETOOTH dimming add suffix BT

Example product order code configuration: BACKLITE-22W-3K-ND

Model		Wattage		CCT		Driver
BACKLITE	+	22W	+	3K	+	ND

Accessories

BACKLITE-J50
Sheet to sheet joiner wire,
2-pin, 20awg, 50mm length



BACKLITE-J150
Sheet to sheet joiner wire,
2-pin, 20awg, 150mm length

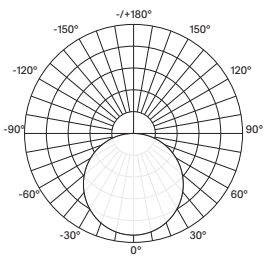


BACKLITE-PF300
Power input wire, 2-pin,
20awg, 300mm length



Light Distribution

BACKLITE-11W-3K



Light output ratio	
LOR	100%
ULOR	0%
DLOR	100%
FFR	0.00 (0:100)
BLF	1.00

LUMINANCE cd/(m²)		
G(DEG)	C0/180	C90/270
85	260	501
80	325	449
75	482	541
70	493	536
65	558	591
60	558	584
55	593	616
50	589	608

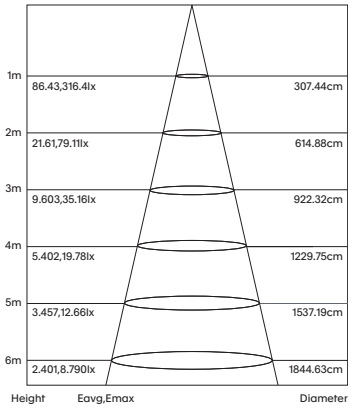
AVERAGE BEAM ANGLE (50%): 114.2 DEG

Utilisation Factors

Room Reflectance		
Ceiling	Walls	Floor
70	50	20

Room Index								
0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
55	64	71	77	85	89	93	98	102

Cone Diagram



1 Luminaire efficacy based on 3000K; CCT variation will alter efficacy
2 +/- 10% stated initial LED luminous flux tolerance
3 Colour rendering Index: >90 standard
4 Additional charges apply for non-standard CCT colour/s, accessories, LED drivers and dimming controls
5 Five year manufacturer's warranty covering product defects and performance deficiencies

co:lab

Project:
Type:
Model:

Backlite

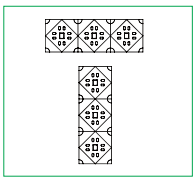
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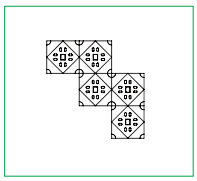
CRI (Ra) **>90** | **24**VDC | SINGLE **BIN** | IP **20**

Backlite sheets can be cut into many custom shapes to suit any application. When cutting Backlite, it is important to use only the pre-marked cut lines on the sheet as this maintains electrical contact. The drawings beside represent the smallest possible linear routing types. The drawings within the green box represents Backlite routing types that maintain electrical connection. The drawing within the red box represents a routing type that will not function correctly due to interruptions in electrical connection.

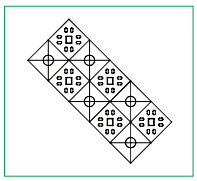
Straight line



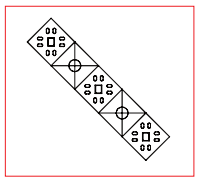
Stepped diagonal line



Smooth diagonal line

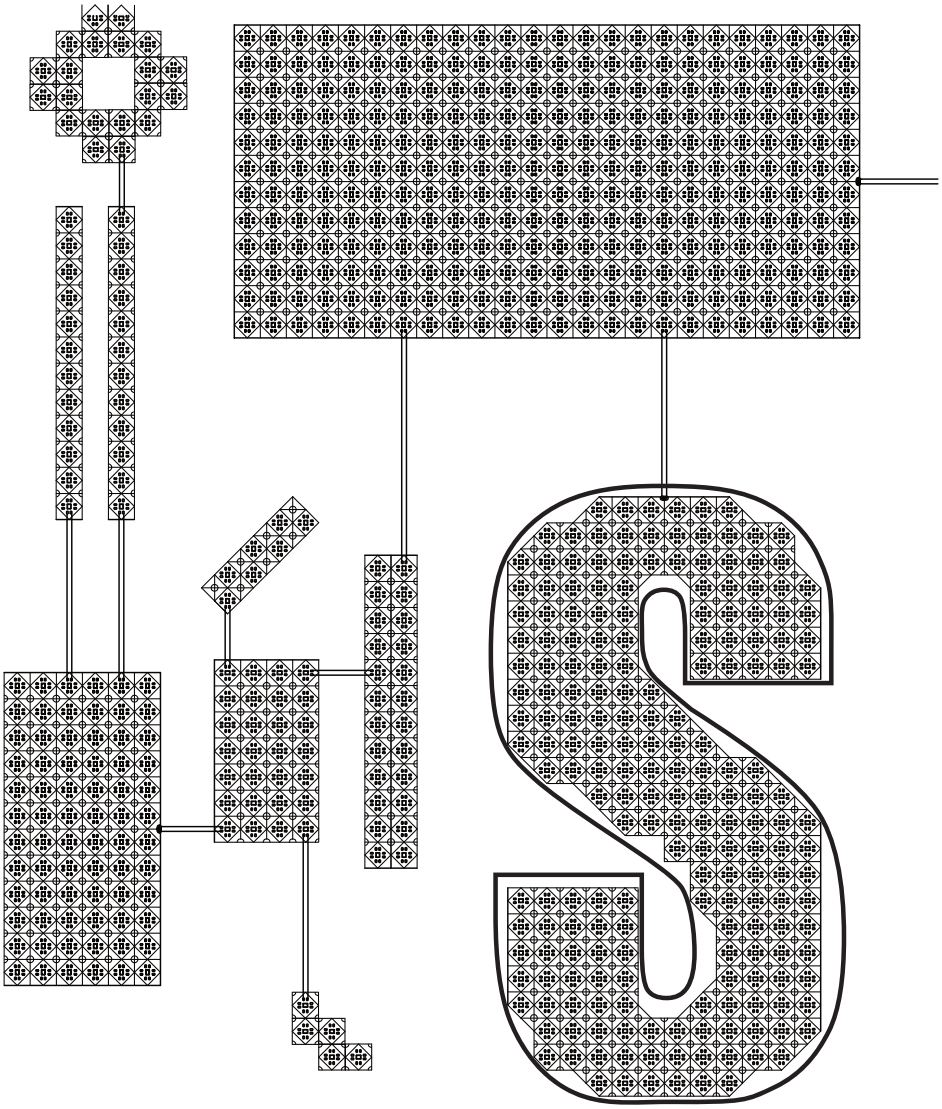


Single diagonal line



Application

Beside are examples of the types of shapes and patterns that can be made and linked as needed to fit nearly any application. The only limiting factor is max run, which can be easily extended by connecting additional power supplies 3. Additional power supplies can connect to any individual square LED segment anywhere in the run for maximum flexibility.



1 Luminaire efficacy based on 3000K; CCT variation will alter efficacy
2 +/- 10% stated initial LED luminous flux tolerance
3 Colour rendering Index: >90 standard
4 Additional charges apply for non-standard CCT colour/s, accessories, LED drivers and dimming controls
5 Five year manufacturer's warranty covering product defects and performance deficiencies