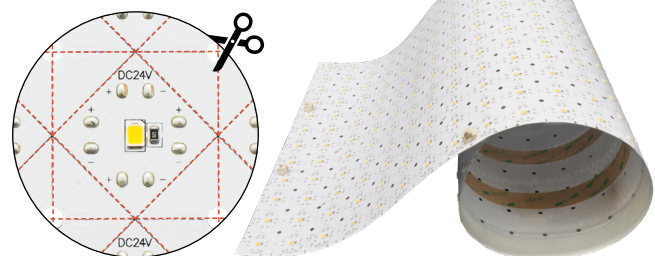


FLEXIBLE BACKLYTE

Flexible BackLyte is engineered to backlight translucent objects such as onyx, stone and resin panels – even in curved applications! Now with improved efficacy and lumen output, 24V Flexible BackLyte offers amazing light consistency and clarity. And each nominal 1 x 2 ft (304.8 x 609.6 mm) rectangular panel features small trimmable sections – single unit cutting that contains individual LEDs – to let you create custom shapes. Bend, cut and connect our Flexible BackLyte to match the size and shape of any project. Choose from Static White, Variable White or color changing RGBW.

- Single unit cutting for extreme precision
- Bend, trim and connect to create custom shapes
- With VHB tape
- Min. bending radius: 1.91 in. (48.5 mm)
- Static White (2700K, 3000K, 3500K, 4000K, 5000K, 6500K)
2 wattages: 11 W/sheet and 22 W/sheet
11 W/sheet (5.5 W/sq ft, 59.2 W/sq m):
825 lm/sq ft (8880.5 lm/sq m), 150 lm/W at 4000K
22 W/sheet (11 W/sq ft, 118.4 W/sq m):
1650 lm/sq ft (17761 lm/sq m), 150 lm/W at 4000K
12x24 single unit cutting:
1 in. (25.4 mm) squares or 0.71 in. (18 mm) diamonds
- Variable White (2200K-6500K)
18.6 W/sheet (9.3 W/sq ft, 100.11 W/sq m)
1346.5 lm/sq ft (14493.5 lm/sq m), 145 lm/W (all on)
Tune for brightness and CCT
11x22 single unit cutting:
1.09 in. (27.7 mm) squares or 0.77 in. (19.6 mm) diamonds
- RGBW (3000K, 4000K, 6000K)
48 W/sheet (24 W/sq ft, 258.34 W/sq m)
1281.5 lm/sq ft (13794 lm/sq m), 53 lm/W (all on)
10x20 single unit cutting: 1.2 in. (30.5 mm) squares



Single Unit Cutting



RoHS

IP20



ORDERING GUIDE

Category	Voltage	IP Rating	Wattage	Color or Color Temperature
FBL	24	20		
FBL - Flexible Backlyte	24 - 24 V	20 - IP20	11 - 11 W (static white only) 22 - 22 W (static white only) 18.6 - 18.6 W (variable white only) 48 - 48 W (RGBW only)	27 - 2700K VW - Variable White (2200K-6500K) 30 - 3000K RGB30 - RGB+3000K 35 - 3500K RGB40 - RGB+4000K 40 - 4000K RGB60 - RGB+6000K 50 - 5000K 65 - 6500K

Accessories:



1. 2 Pin Jumper Cable for Static White models (standard length: 1.57 in./40 mm)
Part #: FBLJUMPSW2

2. 3 Pin Jumper Cable for Variable White model (standard length: 1.57 in./40 mm)
Part #: FBLJUMPVW3

3. 5 Pin Jumper Cable for RGBW models (standard length: 4.52 in./115 mm)
Part #: FBLJUMPRGBW5

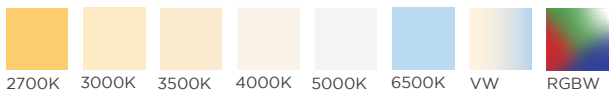


4. 2 Pin Power Feed to Bare Wire for Static White models (standard length: 5.9 in./150 mm)
Part #: FBLPOWERFEED2

5. 3 Pin Power Feed to Bare Wire for Variable White model (standard length: 5.9 in./150 mm)
Part #: FBLPOWERFEED3

6. 5 Pin Power Feed to Bare Wire for RGBW models (standard length: 5.9 in./150 mm)
Part #: FBLPOWERFEED5

AVAILABLE COLORS AND COLOR TEMPERATURES

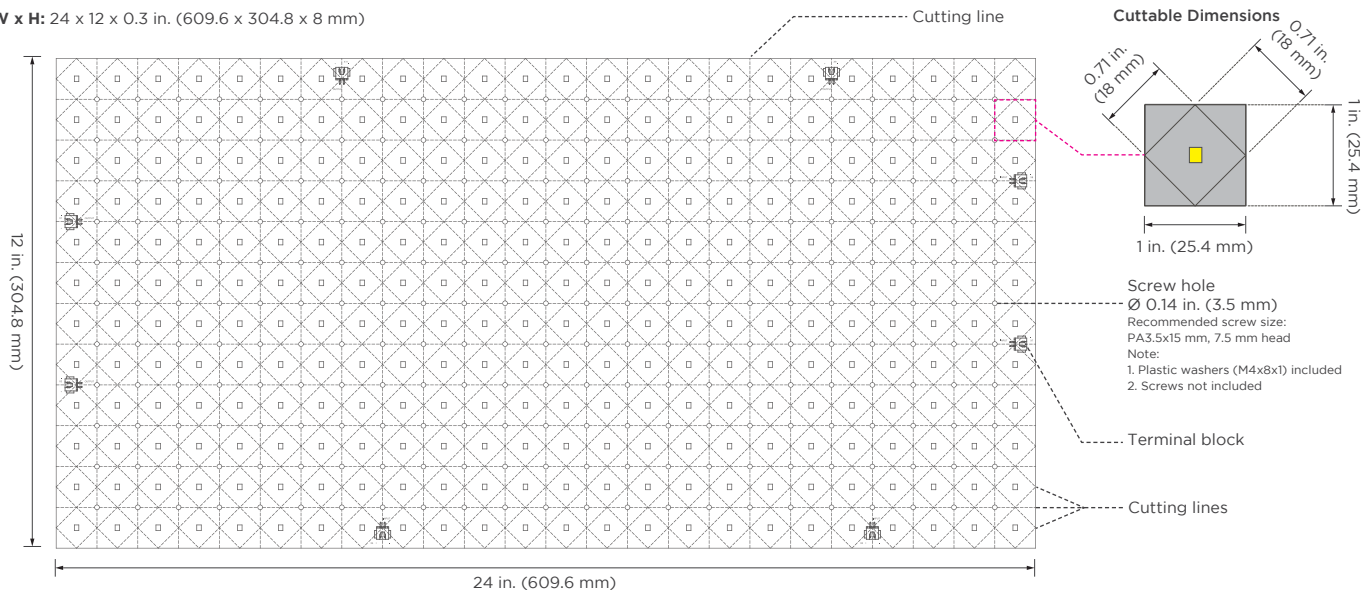


SPECIFICATIONS / DIMENSIONS / ACCESSORIES

Operating Voltage	24 VDC											
Type	Static White											
Power Consumption	11 W						22 W					
Color Temperature	2700K	3000K	3500K	4000K	5000K	6500K	2700K	3000K	3500K	4000K	5000K	6500K
Lumens per sqft	770	797.5	814	825	825	825	1540	1595	1628	1650	1650	1650
Lumens per sqm	8288	8584	8762	8880.5	8880.5	8880.5	16576	17168	17524	17761	17761	17761
Lumens per Watt	140	145	148	150	150	150	140	145	148	150	150	150
Max. # of Daisy Chained Fixtures	8						5					
Dimensions (L x W x H)	24 x 12 x 0.3 in. (609.6 x 304.8 x 8 mm)											
Horizontal/Vertical Cuttable Size	1 x 1 in. (25.4 x 25.4 mm)											
Diagonal Cuttable Size	0.71 x 0.71 in. (18 x 18 mm)											
Type	Variable White					RGBW						
Power Consumption	9.3 W	9.3 W	18.6 W			19.2 W	7.2 W	7.2 W	14.4 W	48 W		
Colors	2200K	6500K	All On			Red	Green	Blue	White	All On		
Lumens per sqft	650	697.5	1346.5			240	396	65	576	1282		
Lumens per sqm	6996.5	7508	14493.5			2583	4263	700	6200	13799		
Lumens per Watt	140	150	150			25	110	18	80	53		
Max. # of Daisy Chained Fixtures	5					2						
Dimensions (L x W x H)	24 x 12 x 0.3 in. (609.4 x 304.7 x 8 mm)					24 x 12 x 0.3 in. (610 x 305 x 8 mm)						
Horizontal/Vertical Cuttable Size	1.09 x 1.09 in. (27.7 x 27.7 mm)					1.2 x 1.2 in. (30.5 x 30.5 mm)						
Diagonal Cuttable Size	0.77 x 0.77 in. (19.6 x 19.6 mm)					n/a						
Protection Rating	IP20											
Static White Dimming	MLV / 0-10 Volt / ELV / DALI											
Color Changing Control	DMX / RF Remote Control											
Ambient Temperature	-4 — 140 °F (-20 — 60 °C)											
Storage Temperature	-13 — 158 °F (-25 — 70 °C)											
Min. Bending Radius	1.91 in. (48.5 mm)											
CRI (White LEDs)	90+ CRI											
Connector Types	2 Pin Jumper Cable (for static white models), 3 Pin Jumper Cable (for variable white model), 5 Pin Jumper Cable (for RGBW models)											
Constant Voltage	✓											
Warranty	3 years											

DIMENSIONS - STATIC WHITE MODELS

L x W x H: 24 x 12 x 0.3 in. (609.6 x 304.8 x 8 mm)



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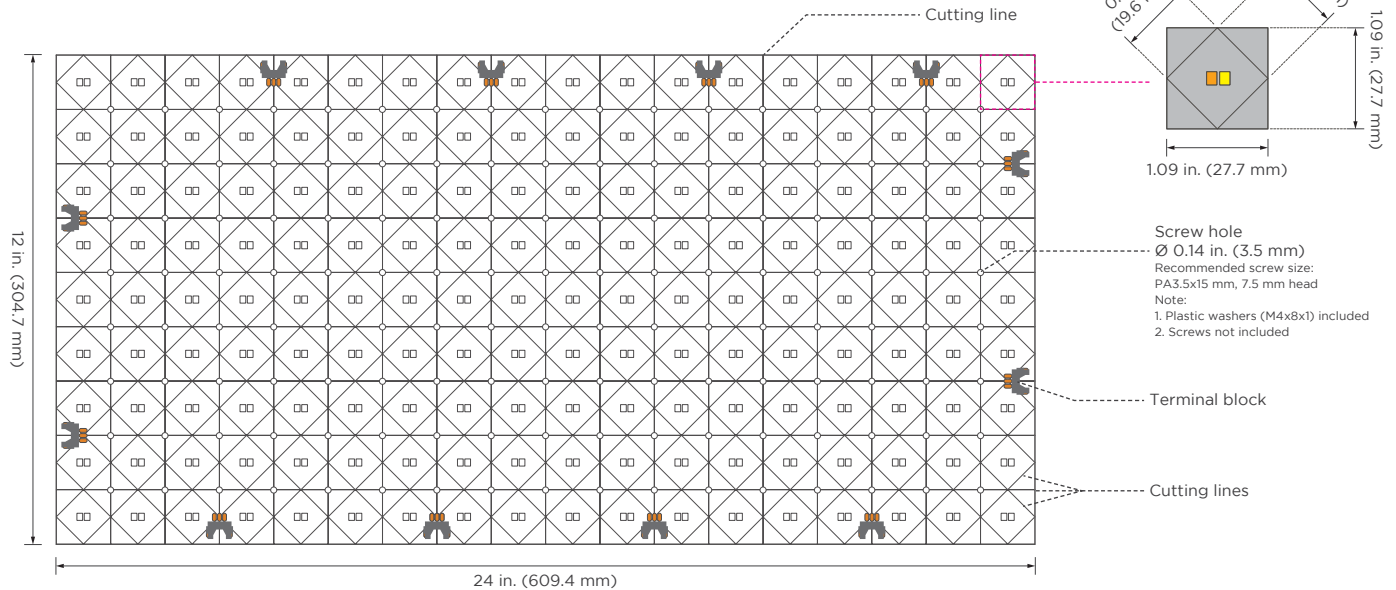
DIMENSIONS

DIMENSIONS - VARIABLE WHITE MODELS

L x W x H

24 x 12 x 0.3 in.

609.4 x 304.7 x 7 mm

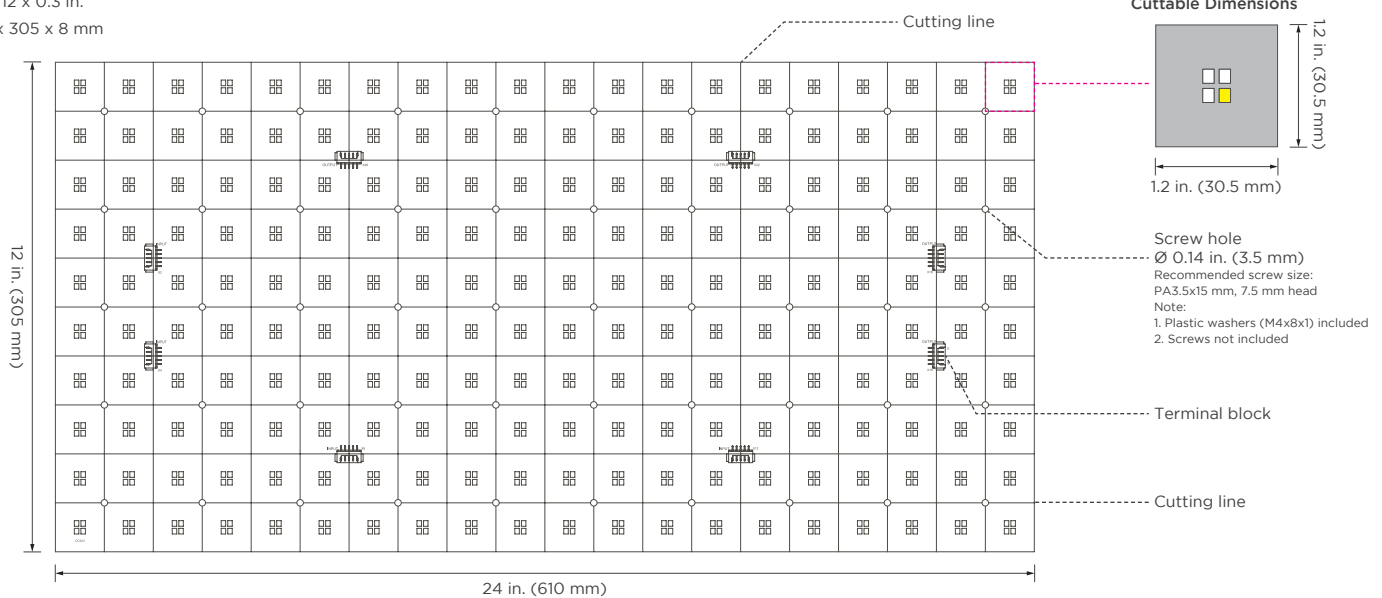


DIMENSIONS - RGBW MODELS

L x W x H

24 x 12 x 0.3 in.

610 x 305 x 8 mm



REV.25NOV2025

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