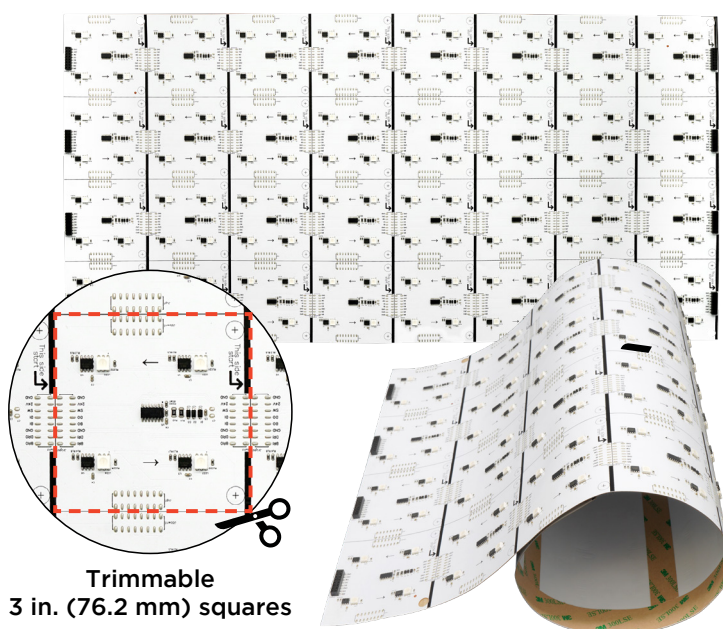


PIXEL FLEXIBLE BACKLYTE

Pixel Flexible BackLyte lets you program and control individual color changing pixels for precision lighting effects. The Pixel 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 Pixel Flexible BackLyte offers amazing light consistency and clarity. Each nominal 1 x 2 ft (305 x 610 mm) rectangular panel features 32 cuttable 3 in. (76.2 mm) square sections that contain four programmable color changing LEDs. Bend, cut and connect our Pixel Flexible BackLyte sheets to match the size and shape of your custom project.

- Flexible 12.01 x 24.02 in. (305 x 610 mm) sheet
- 32 cuttable 3 in. (76.2 mm) squares
- 45 W/sheet (22.5 W/sq ft, 242.2 W/sq m)
- 837.5 lm/sq ft (9014.77 lm/sq m), 38.5 lm/W (all on)
- 128 RGB pixels per sheet spaced at 1.5 in. (38.1 mm)
- Program each individual LED pixel
- Uses SPI controls
- 3.94 in. (100 mm) min. bending radius
- 24 VDC
- Daisy chain up to 8 full sheets
- IP20 for indoor use



**Trimable
3 in. (76.2 mm) squares**



ORDERING GUIDE

Category	Voltage	IP Rating	Wattage	Color or Color Temperature
FBLADD	24	20	45	RGB
FBLADD - Pixel Flexible Backlyte	24 - 24 VDC	20 - IP20	45 - 45 W/sheet	RGB - Red, Green, Blue

AVAILABLE COLORS



ACCESSORIES:

1. Jumper
ADDBLJUMP
2. Lead PCB
ADDBLHEADER
3. Lead Cable
ADDBLCBLFB1000 (3 ft 3.3 in. | 1 m)
ADDBLCBLFB2000 (6 ft 6.7 in. | 2 m)
ADDBLCBLFB3000 (9 ft 10 in. | 3 m)
4. Easy Connect
DIGIEC

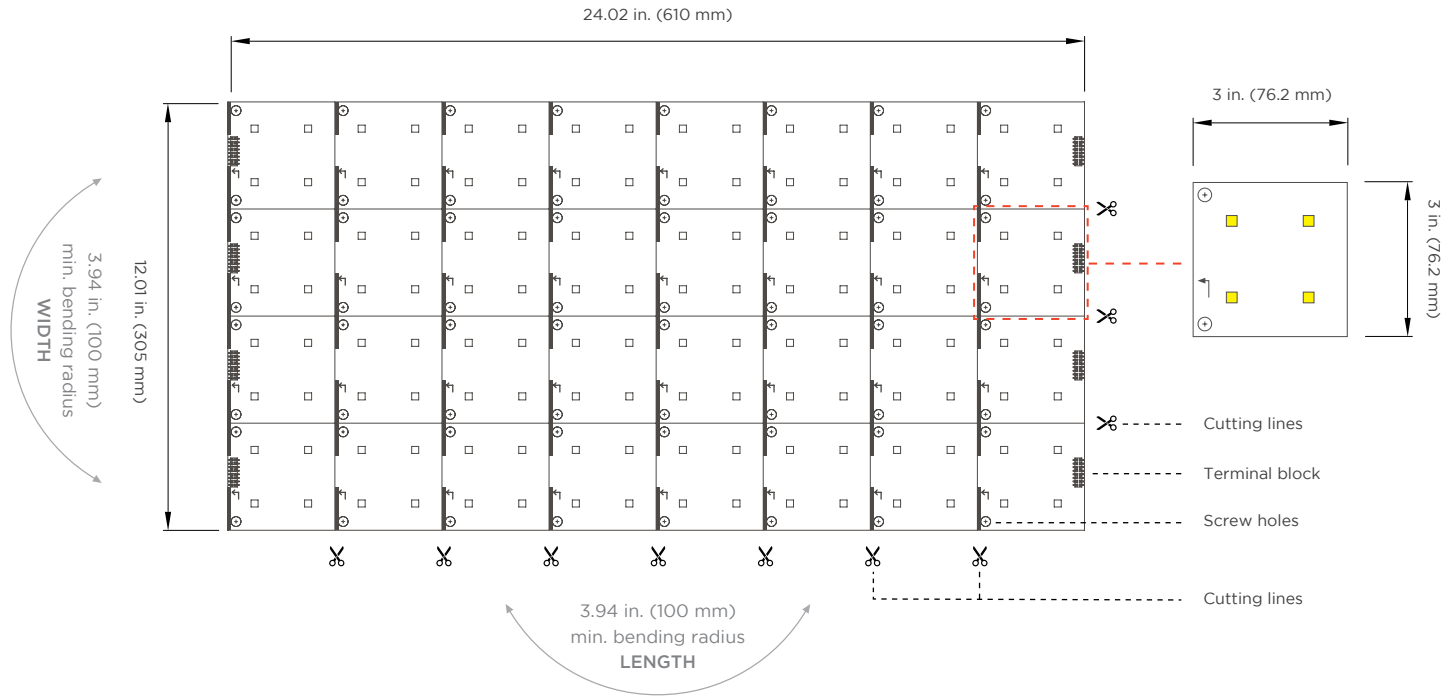
NOTE:
Customization still available upon request.

SPECIFICATIONS

Operating Voltage	24 VDC
Power Consumption	45 W/sheet (22.5 W/sq ft / 242.2 W/sq m)
Luminous Efficacy	38.5 lm/W
Beam Angle	120°
LEDs per sheet	128
LED spacing	1.5 in. (38.1 mm)
Pixels per fixture	128
Color Temperature	RGB
Luminous Flux	1675 lm per sheet
Minimum Bend Radius	3.94 in. (100 mm)
Protection Rating	IP20
Storage Temperature	-4 – 158 °F (-20 – 70 °C)
Operating Temperature	-4 – 140 °F (-20 – 60°C)
Dimensions (L x W)	12.01 x 24.02 in. (305 x 610 mm)
Warranty	2 years

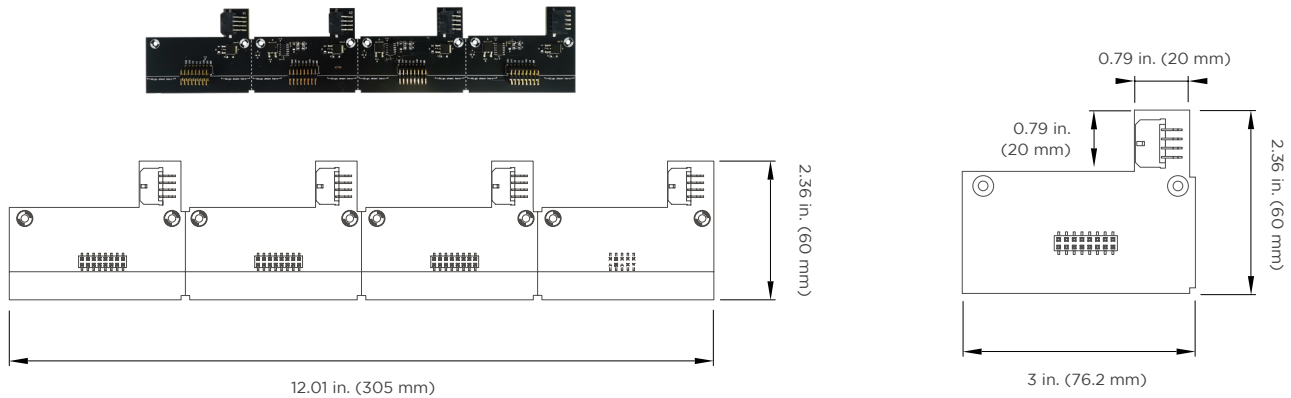
Acolyte does not warrant or represent that the information is free from errors or omission. The information may change without notice and Acolyte is not in any way liable for the accuracy of any information printed and stored or in any way interpreted or used.

DIMENSIONS



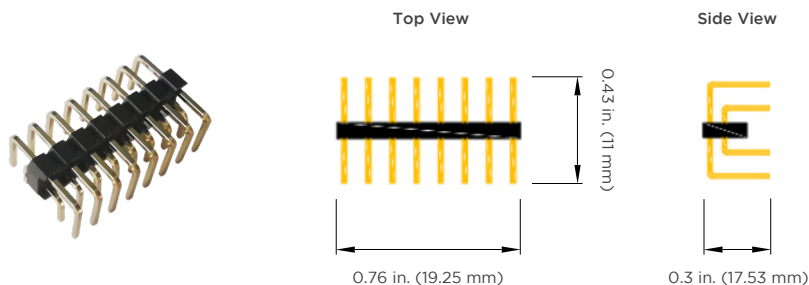
LEADER PCB

Part #:
ADDBLHEADER



JUMPER

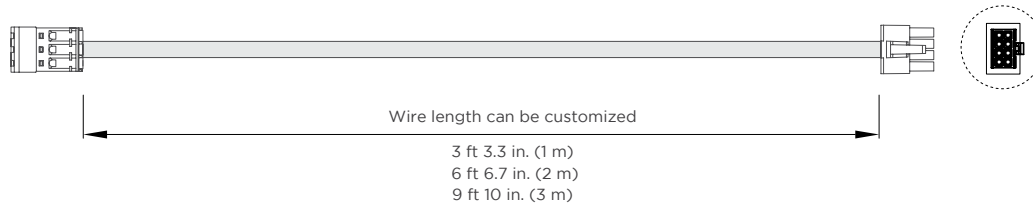
Part #:
ADDBLJUMP



LEADER CABLE (2 PIN TERMINAL WIRE)

Part #:

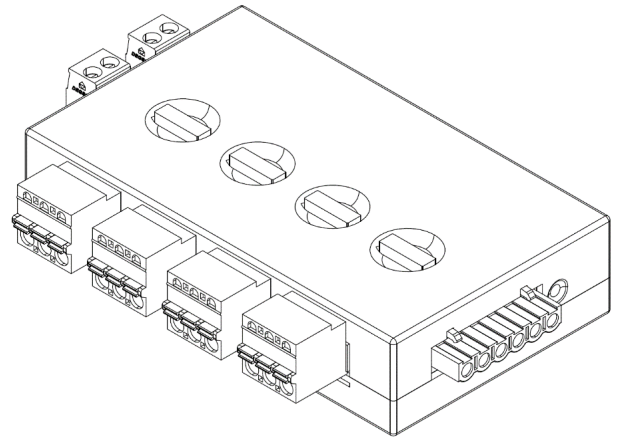
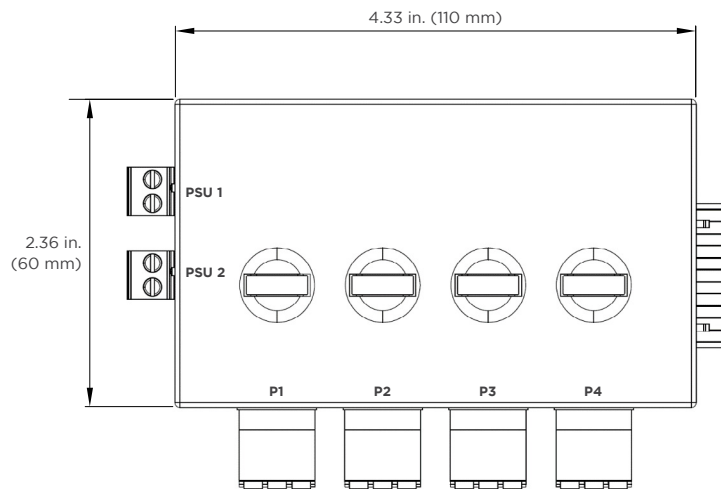
ADDBLCBLFB1000 (3 ft 3.3 in. | 1 m)
ADDBLCBLFB2000 (6 ft 6.7 in. | 2 m)
ADDBLCBLFB3000 (9 ft 10 in. | 3 m)



EASY CONNECT

Easy Connect is a plug and play connector that joins your C4 controller and power supply with your LEDs. No complex wiring required. Connect your power supply on one side and the input cable on the other.

Part #:
DIGIEC



NOTE:

Easy Connect can supply a maximum of 30 amperes to the 4 outputs.

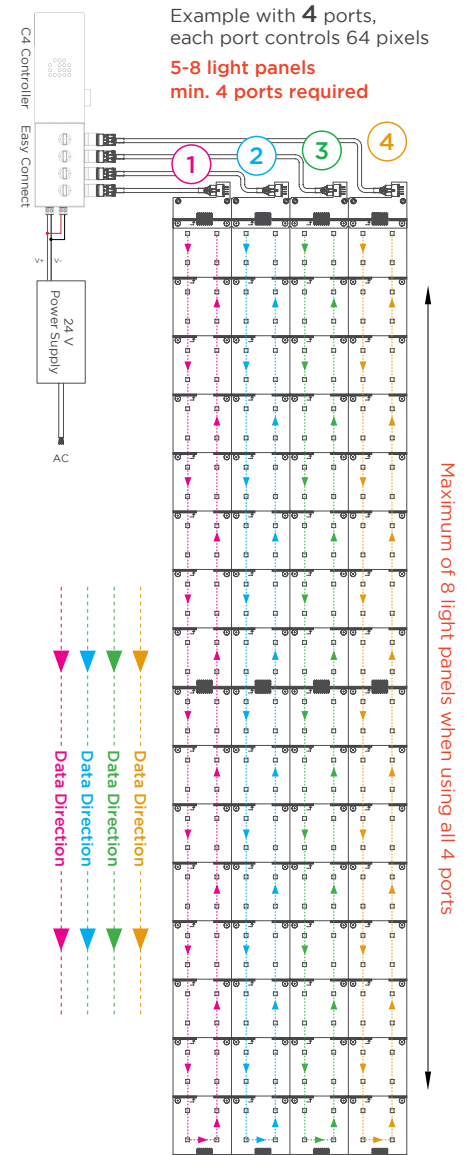
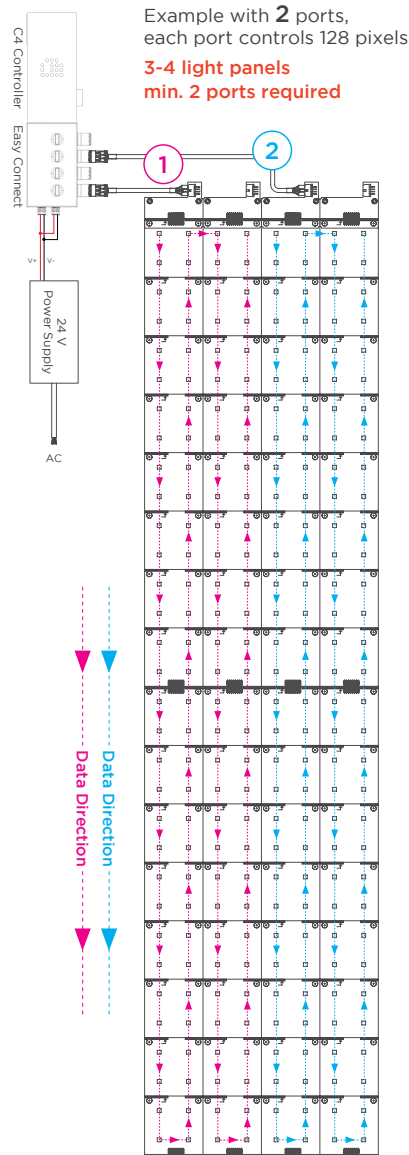
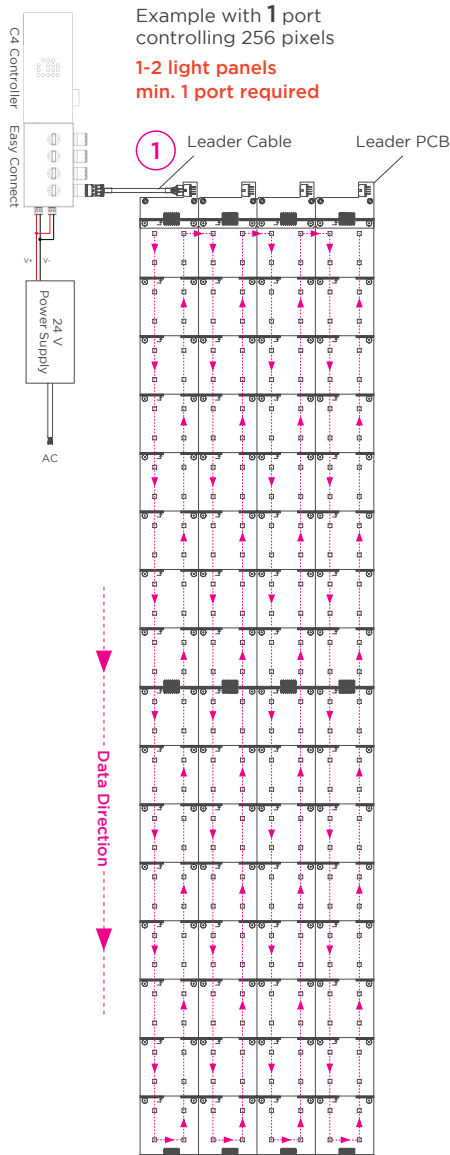
PSU 1 will supply power to output ports **P3** and **P4**;

PSU 2 will supply power to output ports **P1** and **P2**.

All output ports will have the same voltage output.



CONNECTIONS



# of Light Panels	Min. Ports Required	Min. Pixels per Port	Min. Channels per Port	Notes
1	1	128	384	Each port and input cable should not control more than 256 pixels.
2	1	256	768	
3	2	192	576	
4	2	256	768	
5	4	160	480	
6	4	192	576	
7	4	224	672	
8	4	256	768	

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GLOBAL HQ

320 Murray Hill Pkwy
East Rutherford, NJ 07073
U.S.
T: (+1) 212 629 6830
E: Sales-US@GENLEDBrands.com

EUROPEAN HQ

Hogeweyselaan 119
1382 JK Weesp
Netherlands
T: (+31) 346 235 000
E: SalesEurope@GENLEDBrands.com

MEINA HQ

PO Box 371378, #823, Building 4EA
Dubai Airport Free Zone
Dubai, UAE
T: (+971) 4 701 7901
E: SalesMEINA@genledbrands.com

ASIA-PACIFIC HQ

Room 402, Building D
Shensi Tongchuang Science and Technology Park
No. 16 Hongyin Road
Xingqiang Community, Xinhua Street
Guangming District, Shenzhen, China 518107
T: (+86) 755 8529 0710
E: Sales-Pacific@GENLEDBrands.com