

Fingerboard | Application Guide (RGB, RGBW)

Typical Fixture Layouts

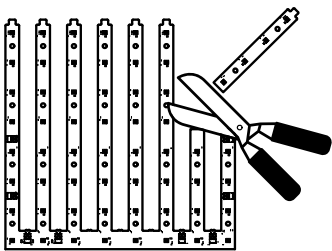
LUXTECH's Fingerboards are designed to maximize module utilization in any area fixture. The on-board poke in connectors can be used to quickly interconnect modules. Orienting the fingers towards the perimeter of the fixture will allow the connectors to be optimally aligned. Supplying power to the middle most Fingerboard is recommended for the greatest brightness uniformity in the fixture.

Best Practices

Cutting:

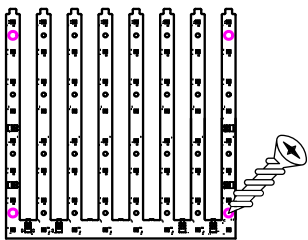
Take care to cut within the cut lines on each board. LUXTECH recommends hand shears or a bench top shear to trim boards to the correct sizes.

The minimum recommended module size is 4 LEDs for constant voltage variations.



Thermal Management:

All Fingerboards come with screw mounting holes to mount the modules into fixtures with screw hardware. Additionally, Fingerboards RGB, and RGBW come standard with adhesive backing. For Fingerboard RGB, RGBW, LUXTECH recommends using a minimum of 4 screws per board.



Diffuser Depth:

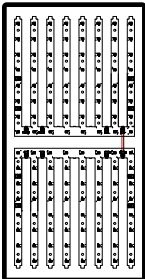
Typically, a diffuser depth of 2" is sufficient for brightness and color uniformity. Please reference our diffuser depth table for more information.

Supplier	Diffuser PN	Thickness (in)	Transmission (%)	FWHM (°)	Min Diff Depth (in)
Plaskolite	Satin XDF	0.08	85%	60	2.125
Acrylite	WD008	0.236	41%	100	1.625
Plaskolite	PXT-M	0.08	85%	60	2.125
Plaskolite	LED PXT-UC	0.08	67%	84	1.625
Plaskolite	LED PXT-L	0.08	92%	40	2.875
Plaskolite	LED PXT-H	0.08	78%	70	1.875

Configuration Examples

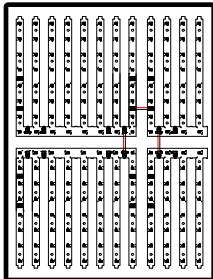
12" x 24"

2 Fingerboards



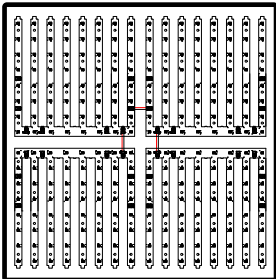
18" x 24"

3 Fingerboards



24" x 24"

4 Fingerboards



48" x 24"

8 Fingerboards

