luminii MMP-XX Matrix Plus Grid LED Panel Instruction Manual

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Contents

Important Information

Models MP-XX & MMP-XX

Please read all instructions prior to installation and keep for future reference!

1. **PRODUCT TO BE INSTALLED BY A QUALIFED ELECTRICIAN .**

2. **PRIOR TO INSTALLATION ENSURE POWER IS OFF AT FUSE BOX TO PREVENT ELECTRICAL SHOCK.**

3. **ACCESS IS REQUIRED FOR SERVICE AND MAINTENANCE**
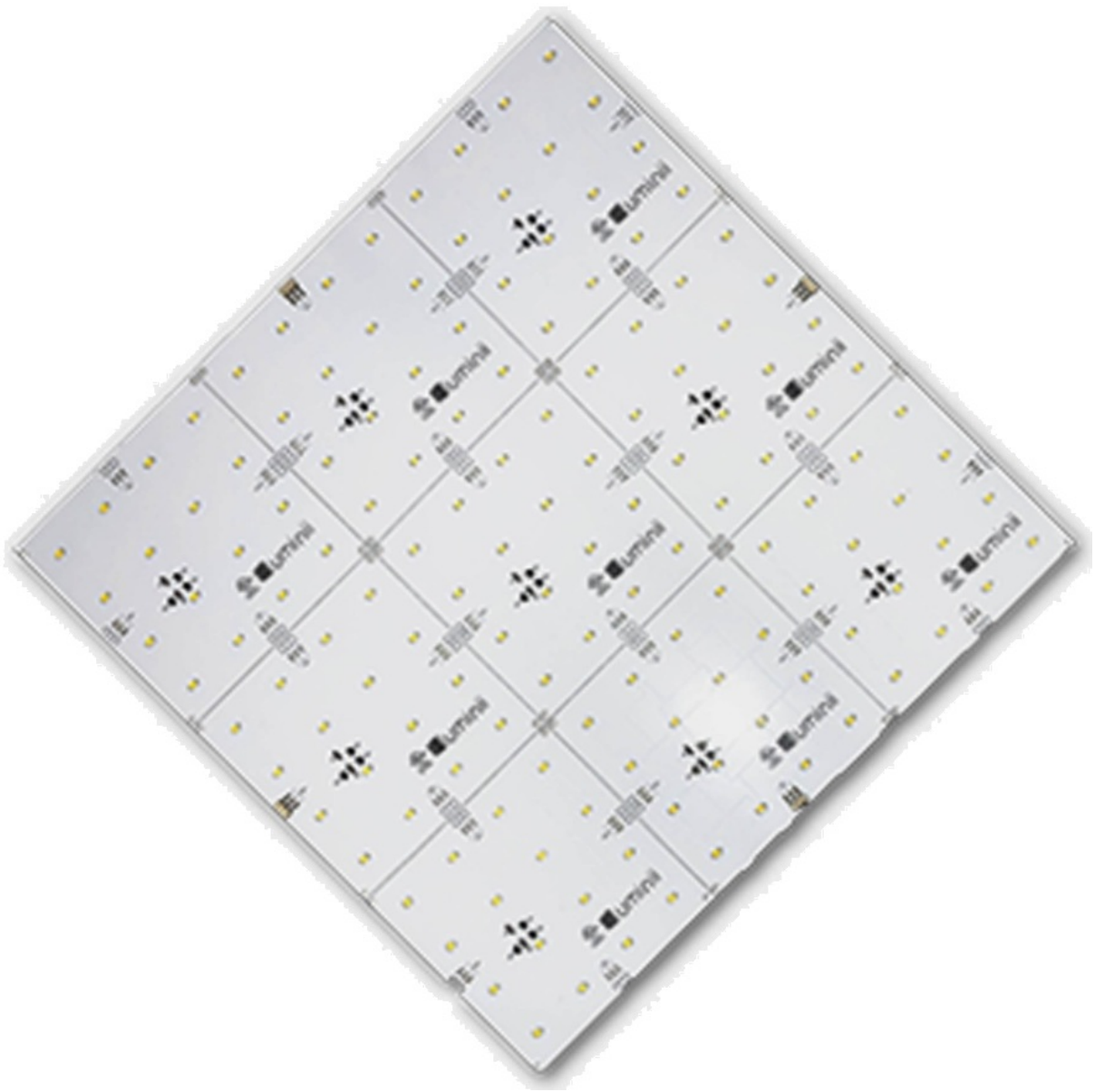
Install the Matrix Plus panel

Note: Matrix can be cut along the dashed lines to configure into varies configurations. Reference step 2 for additional information.

1.1 Cleon the area thoroughly from any dust and or adhesive residue where the Matrix will be installed. Reference steps 3-6 for additional mounting information .

1.2 Remove the paper backing from the Matrix. Carefully stick onto the surface firmly. Make sure there ore no air bubbles or ripples that can cause irregularities and affect from sticking on correctly. If adhesive not sticking well to the surface. Reference step 4 to use mounting hardware (not included).

Note: When removing the backing & placing the Matrix to the surface, avoid any ripples. As shown in **FIG. 1.**

Matrix Plus

Matrix Mini Plus

Scissors or shears

Matrix Plus
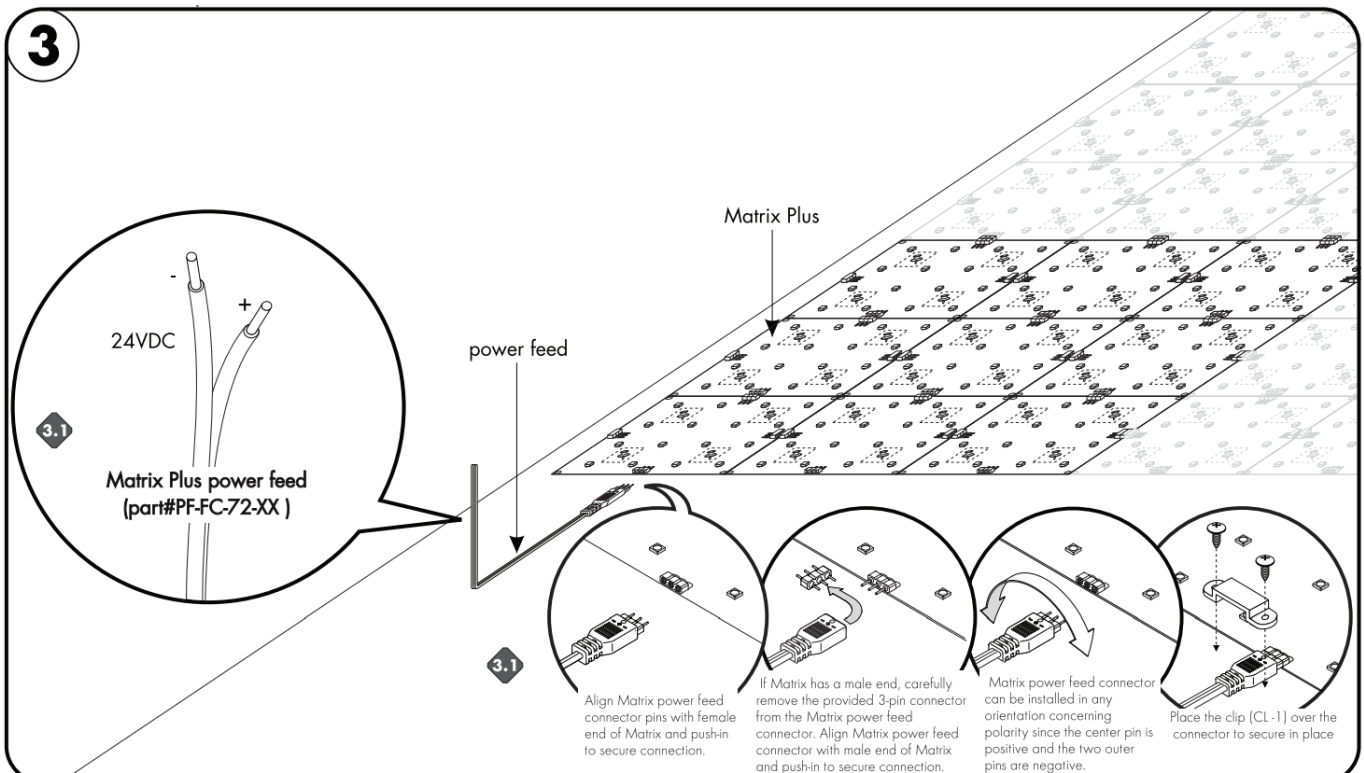
FIG.1

NOT CORRECT

CORRECT
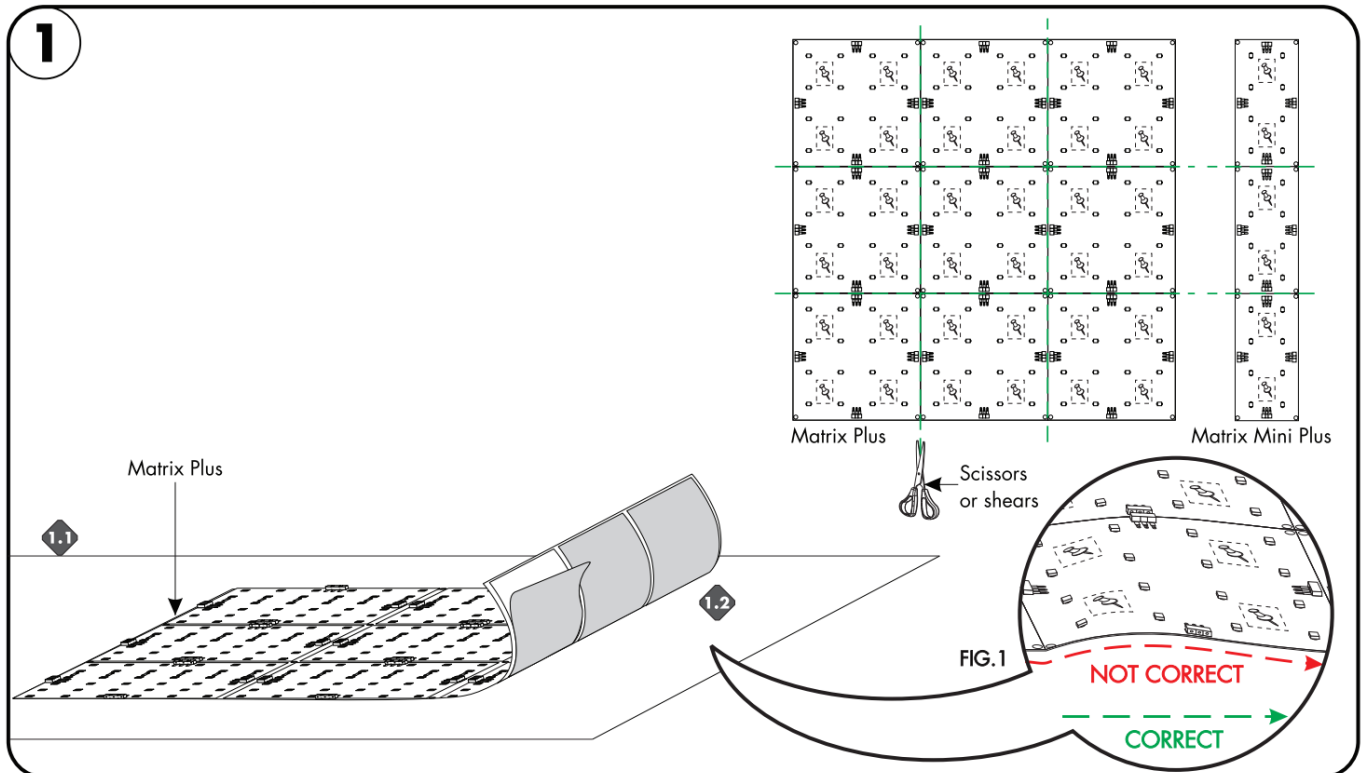
Common Matrix Plus configurations

Note: Matrix Plus & Matrix Mini Plus can be installed in multiple configuration. Reference diagram below to see if your configuration is possible. When connecting to another Matrix Plus always connect all the corresponding female connectors, with a male adapter to achieve a proper connection.

Matrix Plus configurations

male adapter

female adapter

Matrix Mini Plus configurations

Matrix Plus & Matrix Mini Plus used together
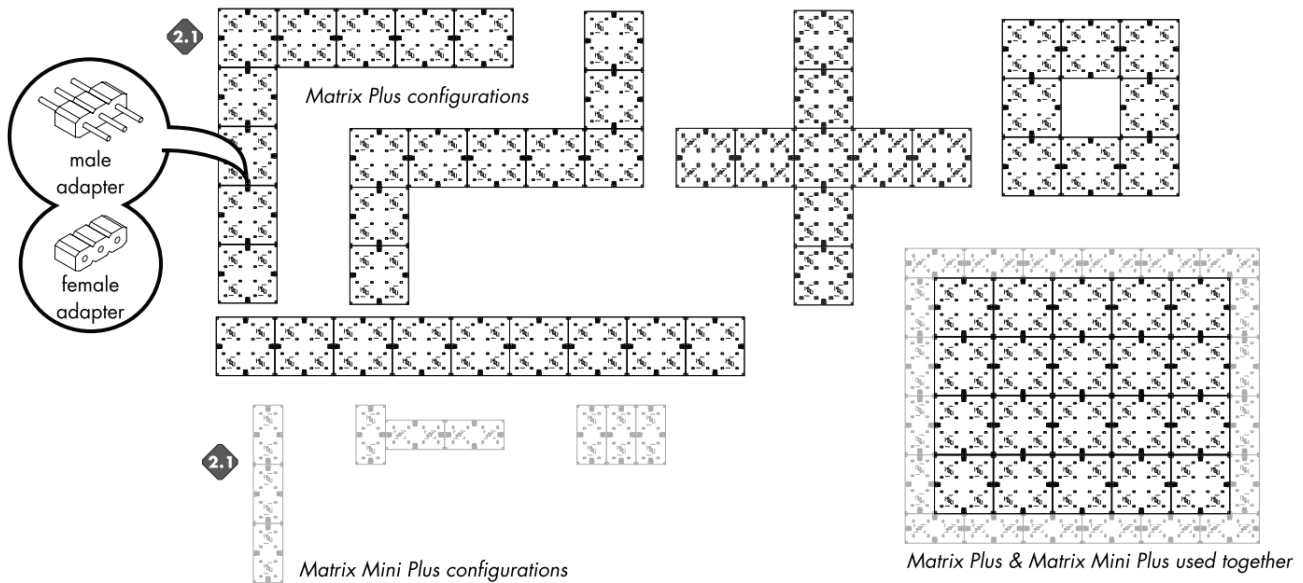
Connect to powerfeed

3.1 Connect the power feed wire into one of the female/mole connectors that is soldered on the Matrix. By sliding and then pushing completing into the connector. Secure by placing clip (CL-1) over the connector and secure using the two screws. Reference diagram below for more details.
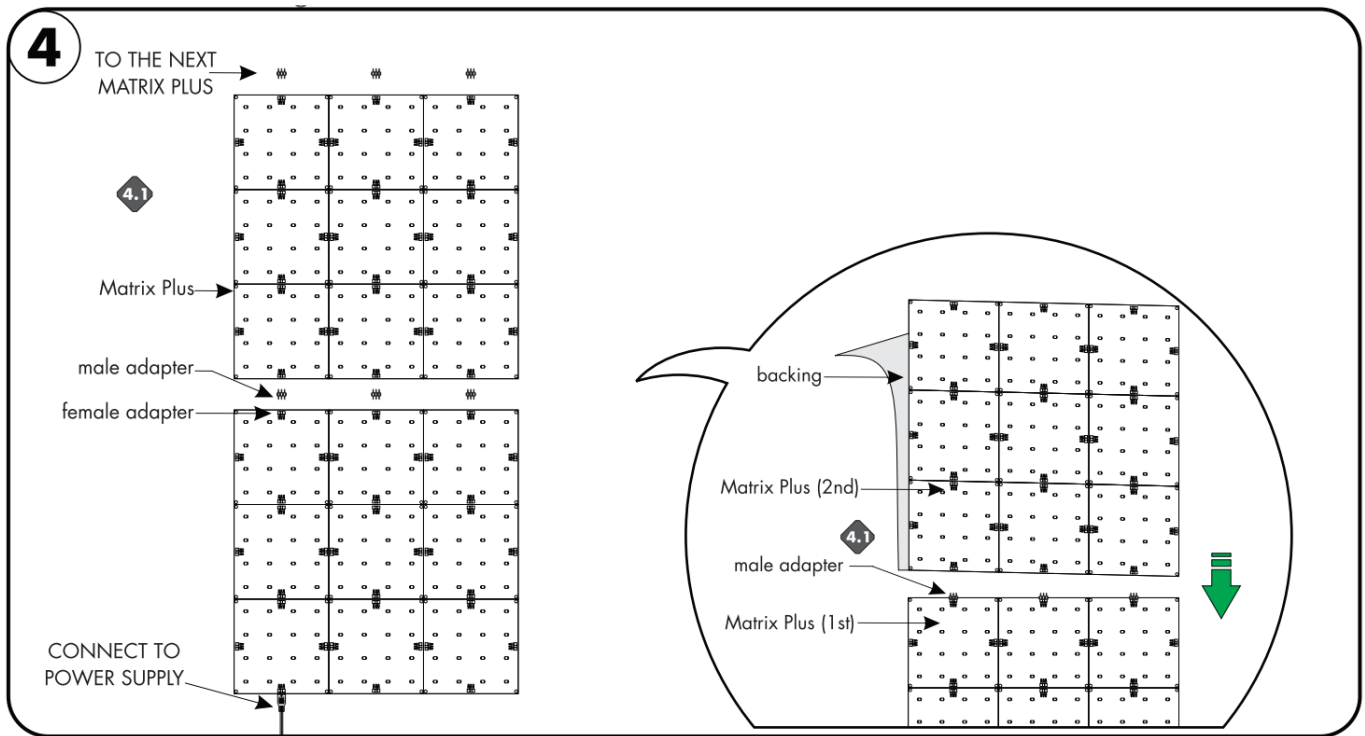

Matrix Plus

24VDC

power feed

Matrix Plus power feed
(part#PF-FC-72-XX)

Align Matrix power feed connector pins with female end of Matrix and push-in to secure connection.

If Matrix has a male end, carefully remove the provided 3-pin connector from the Matrix power feed connector. Align Matrix power feed connector with male end of Matrix and push-in to secure connection.

Matrix power feed connector can be installed in any orientation concerning polarity since the center pin is positive and the two outer pins are negative.

Place the clip (CL-1) over the connector to secure in place

Additional mounting information

Note: When connecting to another Matrix Plus always connect all the corresponding female connectors, with a male adapter to achieve a proper connection .

4.1 Start install by securing the fi rst Matrix panel, followed by removing the adhesive bocking on the 2nd panel.

Then align the 2nd Matrix panel mole adopters to the fema le adopter of the l st Matrix panel. Then carefully secure in place.

4

TO THE NEXT MATRIX PLUS

4.1

Matrix Plus

male adapter

female adapter

CONNECT TO POWER SUPPLY

backing

Matrix Plus (2nd)

4.1

male adapter

Matrix Plus (1st)

OPTIONAL: There are 2 additional mounting options, when the adhesive tape is not sticking on to the surface properly. The first and easier solution is to use push-pins (ii applicable). Only can be used in the areas on the board outlined with a push-pin illustration. The second is to use #0 screw size with an electrical insulating polypropylene plastic washer 0.065″ID, 0 .188″ OD. Insert the screw/washer through the Matrix Plus mounting holes to secure Matrix properly to surface.

5

Matrix Plus

push-pin

5.1

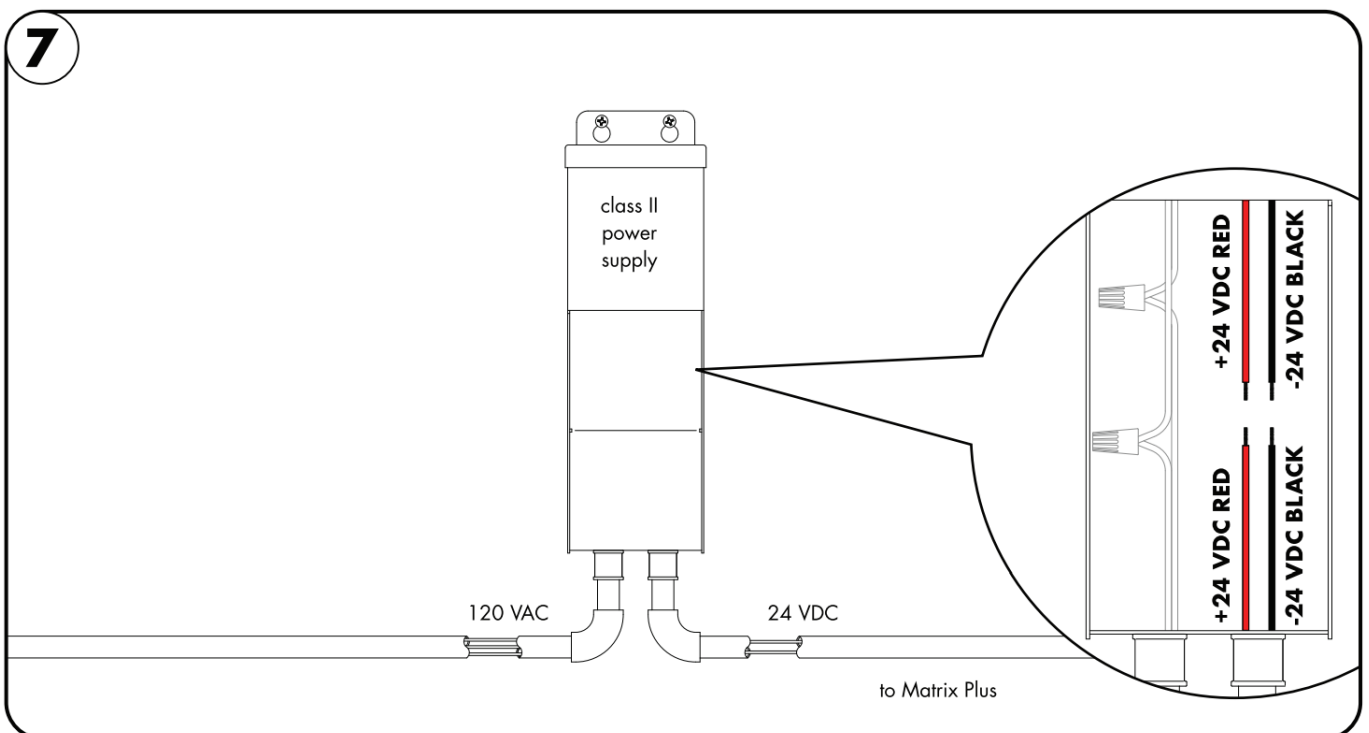screw & washer

5.1
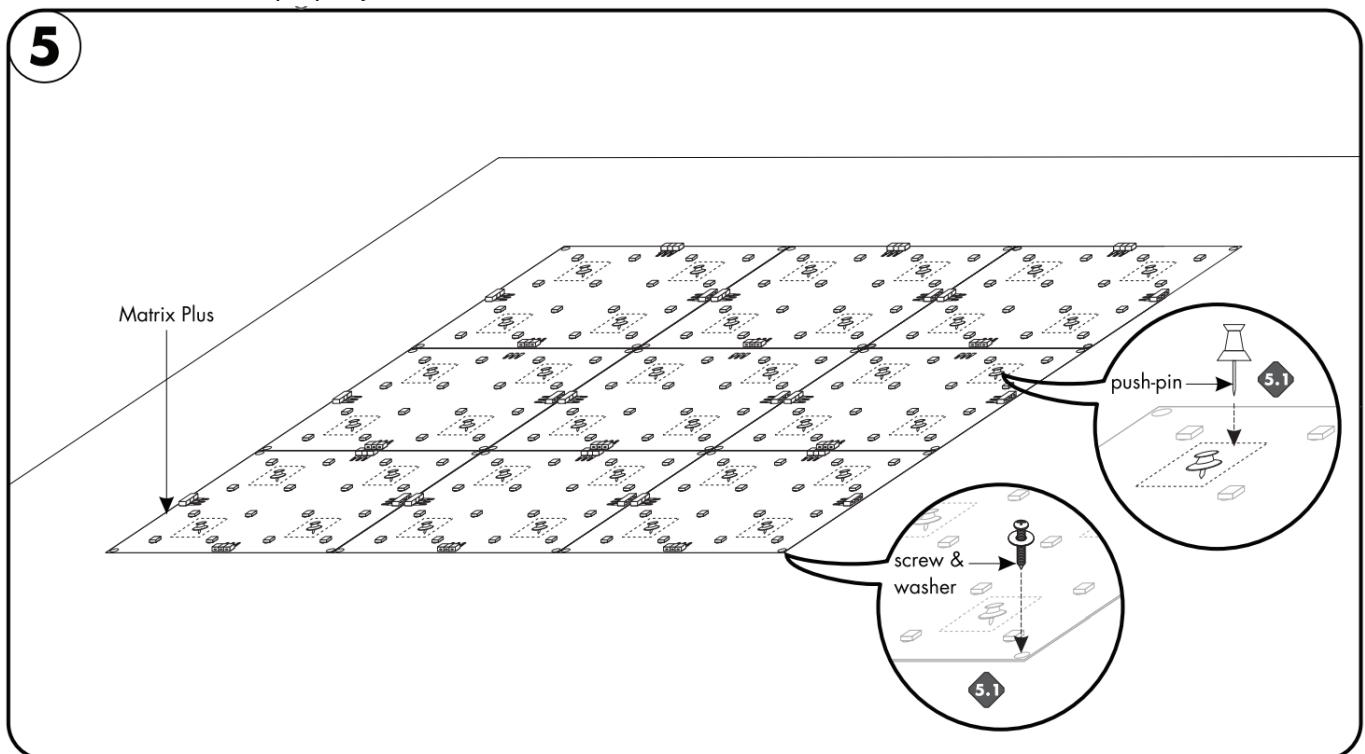
Sample Layout

6.1 Refer to specifications below when installing the Matrix into an enclosed area.
– enclosure must have minimum of l ” depth, from where the matrix is installed.
– 3/ 4″ holes must be made every 8″ on the sides of surface, for air ventilation.

6

Matrix Plus

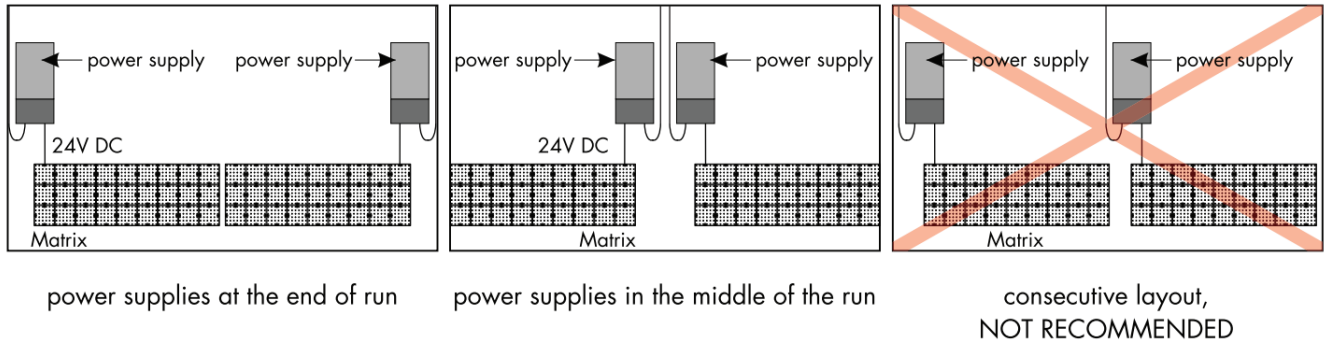1" minimum depth

surface

6.1
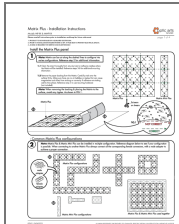
every 8"

3/4" hole
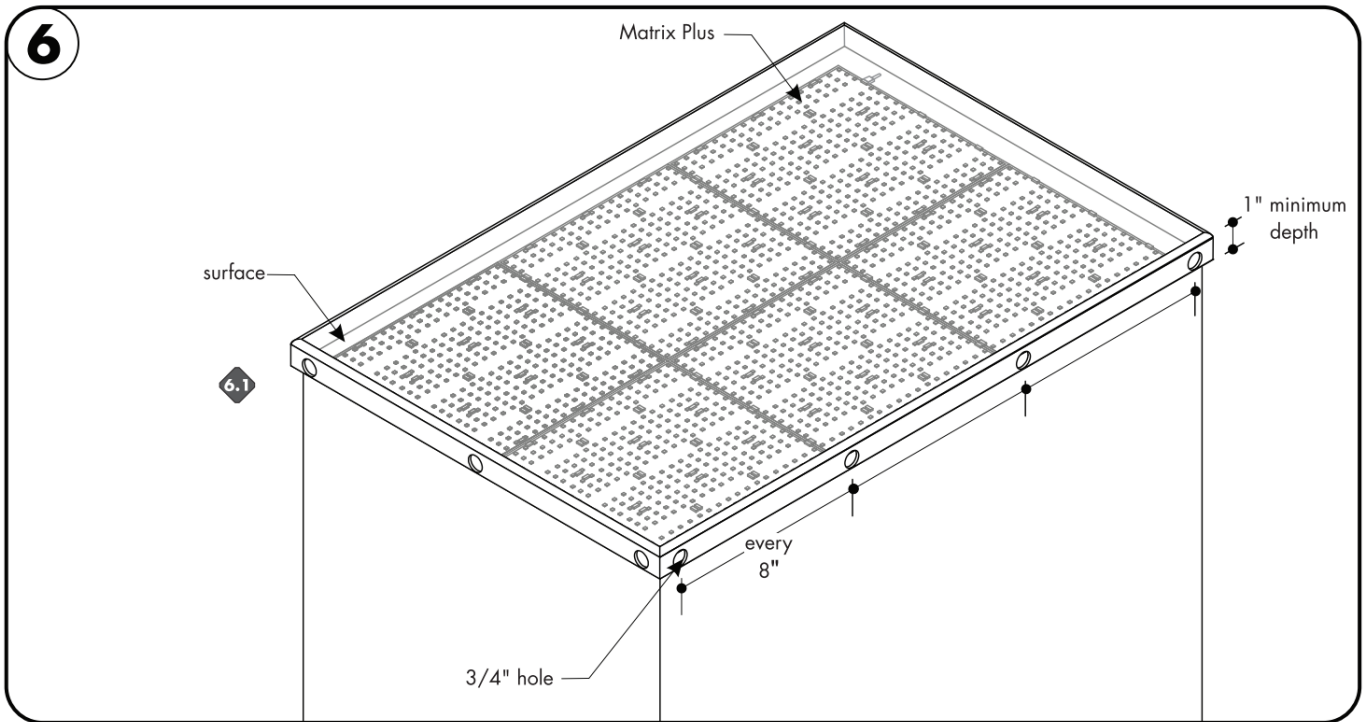
Wiring Diagram

7.1 Connect +24 VDC red wire from the fixture to the power supply +24 VDC red wire with a wire nut. Connect – 24VDC black wire from the fixture to power supply – 24VDC black wire with a wire nut.

7

class II power supply

+24 VDC RED
-24 VDC BLACK

+24 VDC RED
-24 VDC BLACK

120 VAC

24 VDC

to Matrix Plus

Powerfeed locations

8

power supply → ← power supply

24V DC

Matrix

power supplies at the end of run

power supply → ← power supply

24V DC

Matrix

power supplies in the middle of the run

power supply → ← power supply

Matrix

consecutive layout,
NOT RECOMMENDED

optic arts
by luminii

Documents / Resources

	luminii MMP-XX Matrix Plus Grid LED Panel [pdf] Instruction Manual MP-XX, MMP-XX, MMP-XX Matrix Plus Grid LED Panel, MMP-XX, Matrix Plus Grid LED Panel, Grid LED Panel, LED Panel, Panel