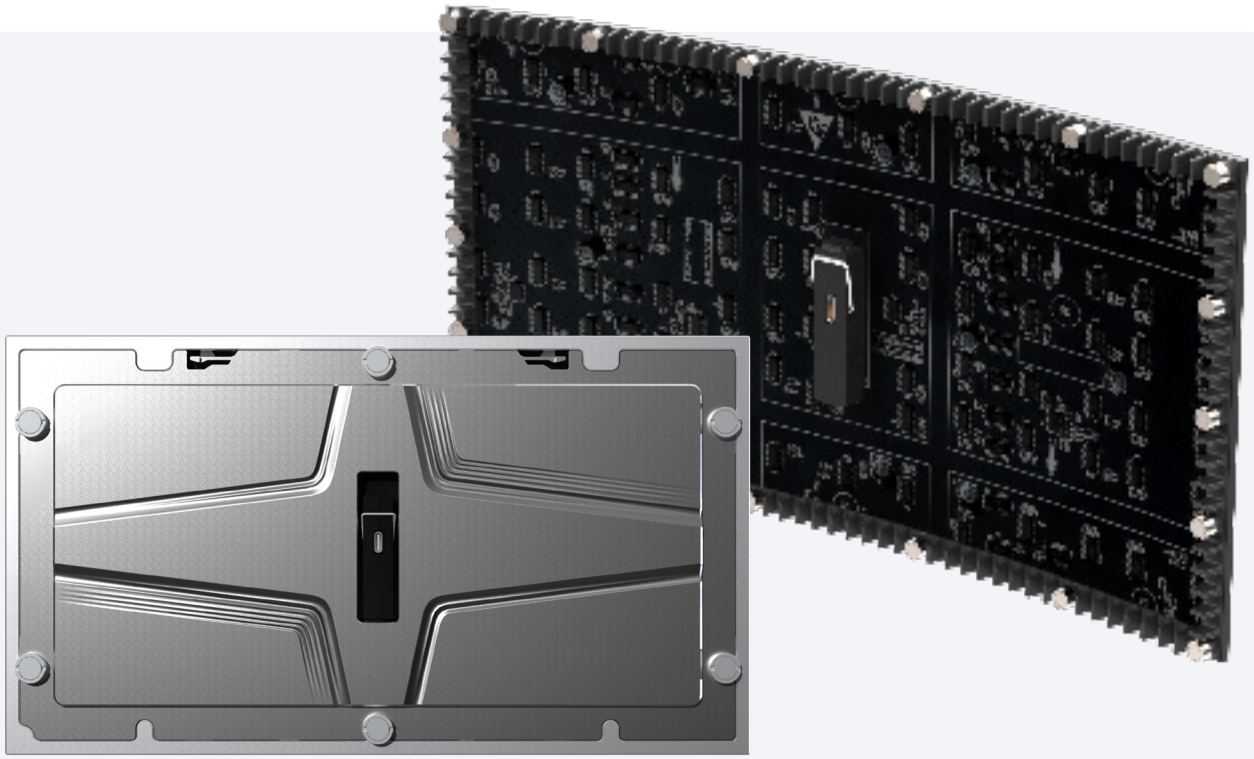
PLANAR

Tile Series

Architectural LED Video Walls

Planar® Tile™ Series is a line of flexible and rigid LED modules designed to expand the possibilities for creative display design. Three module options provide versatile building blocks for creating flat, concave, convex and continuous curved display surfaces: Planar® Tile™ for flat configurations, Planar® Tile™ W for widescreen-format configurations and Planar® Tile™ Flex for curves and custom shapes. Available in 1.2, 1.5, 1.8, 2.0 and 2.5mm pixel pitches, the series enables custom curves and configurations beyond traditional display formats, bringing greater creative design flexibility to a broader range of projects.

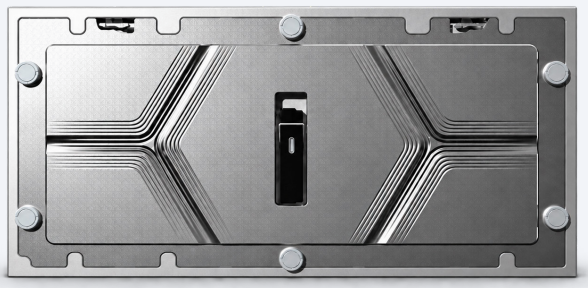
- 1.2, 1.5, 1.8, 2.0 & 2.5 mm pixel pitches
- Creative design flexibility for flat, concave, convex and continuous curved designs
- Flexible and rigid LED modules enable custom shapes, dimensions and configurations
- Three module formats provide versatile building blocks for creative LED designs
- Type-C connectivity between module and control unit for simplified installations



Two Module Sizes

Planar Tile Series offers rigid LED modules in 2:1 and 16:9 aspect ratios, providing versatile building blocks for creative display designs. Combine modules to create custom dimensions, shapes and layouts that expand possibilities beyond traditional display formats.

TILE
320 x 160 mm
2:1 Aspect Ratio



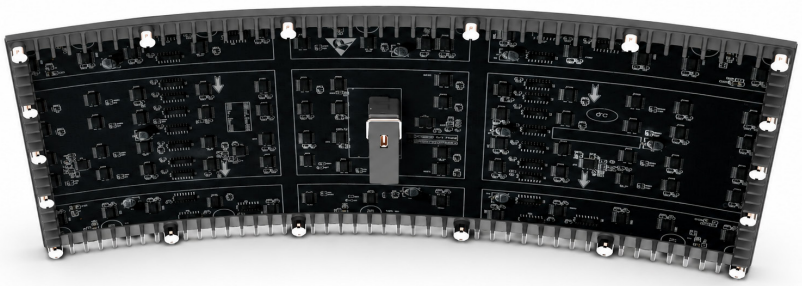
TILE W
320 x 180 mm
16:9 Aspect Ratio



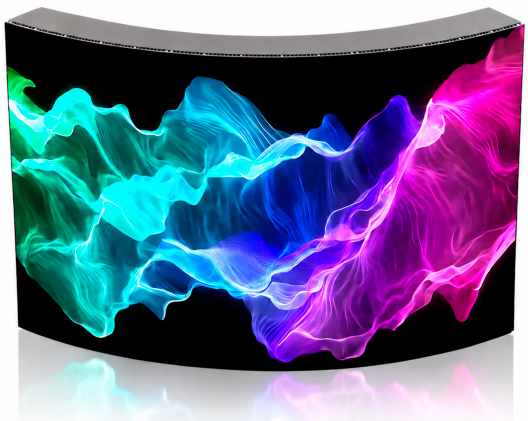
Creative Curves

Planar Tile Flex enables concave, convex and continuous curved LED surfaces with a 1-meter (39.37-inch) minimum curve diameter.

Flexible modules support tight, smooth curves for creating cylindrical screens, custom shapes and flowing display surfaces that move beyond traditional flat display formats.



TILE FLEX
Flexible LED Module



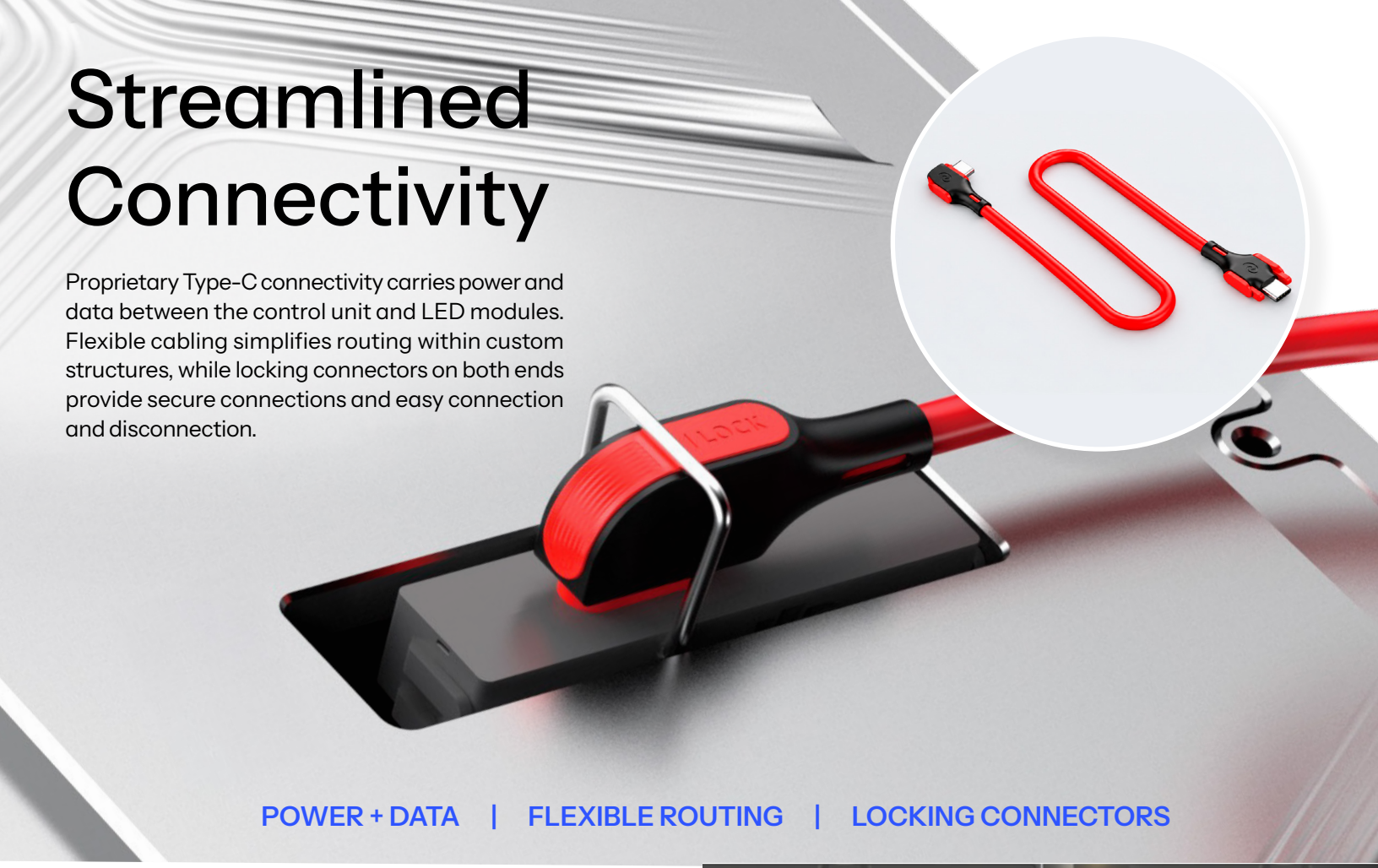
CONCAVE & CONVEX CAPABILITY
Flexible curved designs



CONTINUOUS CURVES
Create cylindrical and flowing display surfaces

Streamlined Connectivity

Proprietary Type-C connectivity carries power and data between the control unit and LED modules. Flexible cabling simplifies routing within custom structures, while locking connectors on both ends provide secure connections and easy connection and disconnection.

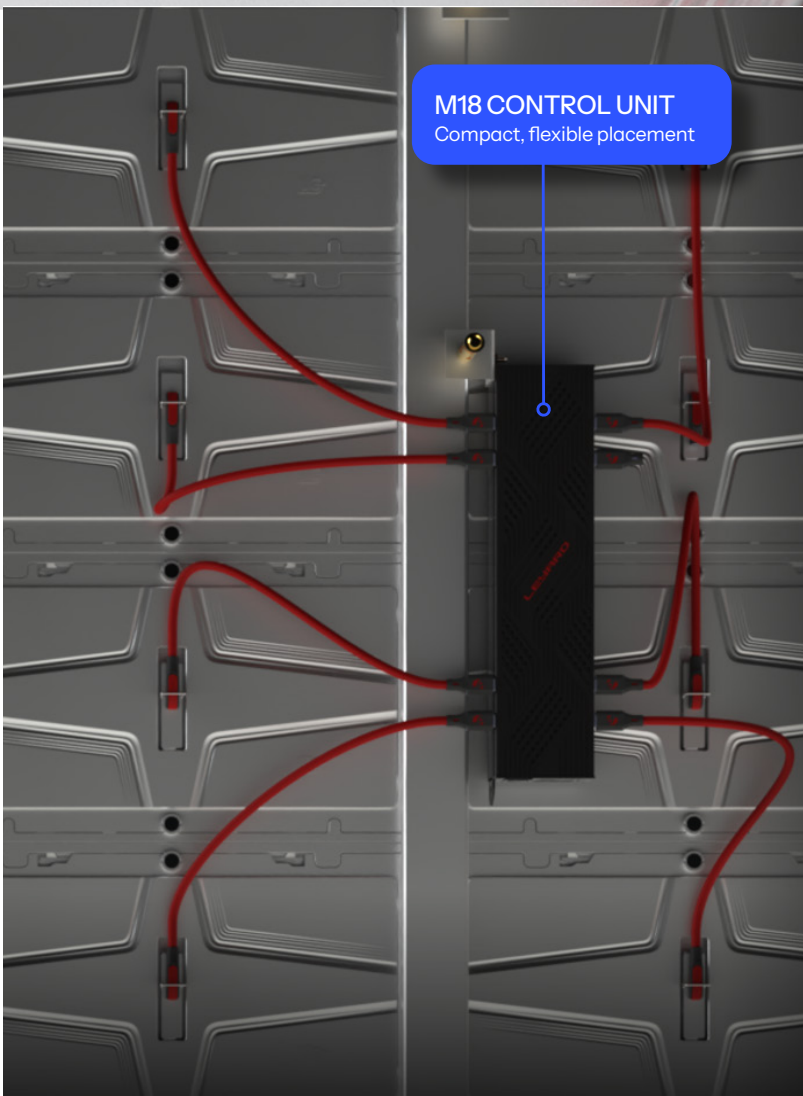


POWER + DATA | FLEXIBLE ROUTING | LOCKING CONNECTORS

Compact Control Unit

The intelligence to control Planar Tile resides in the compact M18 Control Unit, which can be installed in multiple orientations for flexible placement. With the ability to drive up to eight LED modules, its small footprint helps streamline integration into custom structures while accommodating a range of installation requirements.

UP TO 8
LED Modules per Control Unit



Specifications

planar.com/tile

Model	Tile 1.2	Tile 1.5	Tile 1.8	Tile 2.0	Tile 2.5	Tile Flex 1.2	Tile Flex 1.5	Tile Flex 1.8	Tile Flex 2.0	Tile Flex 2.5	Tile W 1.2	Tile W 1.5	Tile W 1.8	Tile W 2.0	Tile W 2.5
Pixel Pitch	1.25mm	1.54mm	1.86mm	2.00mm	2.50mm	1.25mm	1.54mm	1.86mm	2.00mm	2.50mm	1.25mm	1.54mm	1.86mm	2.00mm	2.50mm
Brightness Max	500 nits														
Contrast Ratio	8,000:1														
Module Size (W x H)	320 x 160mm | 12.6 x 6.3in										320 x 180mm | 12.6 x 7.09in				
Module Resolution (W x H)	256 x 128	208 x 104	172 x 86	160 x 80	128 x 64	256 x 128	208 x 104	172 x 86	160 x 80	128 x 64	256 x 144	208 x 116	172 x 96	160 x 90	128 x 72
LEDs per Module	32,768	21,632	14,792	12,800	8,192	32,768	21,632	14,792	12,800	8,192	36,864	24,128	16,512	14,400	9,216
Curve Diameter, Min	1.0m | 39.37 in														
Brightness Uniformity	≥97%														
Color Temperature	3000 - 8,000 K														
HDR Support	Yes														
LED Refresh Rate	4800 Hz														
Viewing Angle, Horizontal	160°														
Viewing Angle, Vertical	140°														
Frame Rate	50 & 60Hz														
Power Consumption, Maximum	18.5 W/module | 361 W/SqM | 33.6 W/Sq Ft														
Line Voltage	100-240V AC, 50/60 Hz														
Controller Compatibility	Novastar														
Front Access Install/ Service	Yes														
Operating Temperature	-10° to 40° C | 14° to 104° F														
Operating Humidity	80% RH max non-condensing														
Storage Temperature	-20° to 60° C | -4° to 140° F														
Storage Humidity	85% RH max non-condensing														
Protected Surface	Available														
Regulatory Compliance	cTUVus, CE, FCC, IC														
Warranty	2 year standard														

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