

M Series: Surface-Mounted – M3 Module

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The Holoscape M3 Module represents the pinnacle of transparent LED display technology, expertly crafted for a variety of indoor settings. Its 3.91 mm pixel pitch and 80% transparency perfectly balance high-resolution content displays with seamless aesthetic integration. This module's 65,536 pixels/m² ensure that every image and text is vivid and engaging, ideal for environments where clear, impactful displays are essential.

In terms of durability and ease of use, the M3 Module is unparalleled. Its LEDs boast a robust build quality and a 100,000-hour lifespan, ensuring long-term, sustainable performance. Compatibility with leading processing systems like Colorlight or Novastar allows for ease of interface with content sources. All this makes the M3 Module not only a versatile and eco-friendly option, but also a top choice for dynamic, clear, and impactful content displays across various applications.

Key Features:

- **Pixel Pitch:** 3.91 mm, offering a balance between resolution and transparency for content displays.
- **Pixel Density:** 65,536 pixels/m² (6,088 pixels/ft²), ensuring vibrant and detailed content displays.
- **Apparent Transparency:** 80%, providing higher transparency for minimal obstruction and seamless integration into various environments for content displays.
- **Superior Brightness:** ≥3000 cd/m² (278.71 cd/ft²)
- **Maximum Power Consumption:** 1000 W/m² (92.90 W/ft²)
- **Average Consumption:** 375 W/m² (34.84 W/ft²) Balancing high-performance content display with energy-conscious operation.
- **Lifespan:** ≥100,000 hours, promising long-term durability and reliability for content displays.
- **Control System Compatibility:** Compatible with Colorlight or Novastar control systems, enabling flexible and user-friendly management of content displays.
- **Versatile Installation Options:** Flexible installation options, including hangable, and adhesive-backed for inward-facing or outward-facing window displays. This versatility makes it ideal for various indoor architectural and design applications. Options in both Module length and width accommodate in filling spaces.

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Pixel Pitch (horizontal and vertical)	3.91 mm
Pixel Density (pixels per area)	65,536/m ² (6,088/ft ²)
Apparent Transparency	80%
Module Display Dimensions (width* x height) * standard width is 250 mm, but also available in 200 mm (7.88")	<u>M3-1.0m</u> : 250 mm x 1000 mm (9.84" x 39.37") <u>M3-1.2m</u> : 250 mm x 1171 mm (9.84" x 46.10") <u>M3-1.5m</u> : 250 mm x 1468 mm (9.84" x 57.79")
Module Profile Dimensions (width* x height) * standard width is 250 mm, but also available in 200 mm (7.88")	<u>M3-1.0m</u> : 250 mm x 1025 mm (9.84" x 40.35") <u>M3-1.2m</u> : 250 mm x 1200 mm (9.84" x 47.24") <u>M3-1.5m</u> : 250 mm x 1500 mm (9.84" x 59.05")
Resolution (pixel count width* x height) * standard width is 64 px, but also available in 51 px (200 mm)	<u>M3-1.0m</u> (250mm width): 64 pixels x 256 pixels <u>M3-1.2m</u> (250mm width): 64 pixels x 300 pixels <u>M3-1.5m</u> (250mm width): 64 pixels x 376 pixels
Weight (Module and electronics)	1.6 kg (3.53 lb)
Brightness (in candelas per meter [nits])	≥3000 cd/m ² (278.71 cd/ft ²)
Scanning Mode	Static Driving (single pixel, single control)
Encapsulation Type	Light Board & Driving Board Integrated
Lifespan	≥ 100,000 hours
Pixel Grayscale Depth	16 bit
Maximum Power Consumption (in watts)	1000 W/m ² (92.90 W/ft ²)
Average Power Consumption (in watts)	375 W/m ² (34.84 W/ft ²)
Control System	Colorlight or Novastar
Input Voltage	AC100V~240V 50/60Hz
Working Voltage	DC4.2V ±0.2V
Working Temperature	-20°C to 50°C
Working Humidity (without condensation)	Up to 85% RH
Storage Temperature	-20°C to 60°C
Storage Humidity (without condensation)	Up to 85% RH
Protection Degree	IP20
Installation Environment	Indoor

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The parameters in the table are subject to updates, and the data is for reference only. Updates will be made without notice.

Option considerations:

Length: The M3 Module is available in three lengths: 1.0m, 1.2m and 1.5m.

Width: The M3 Module is available in two widths: 250mm (standard) and 200mm.

Adhesive Orientation on Surface: Modules can be mounted in two ways: (1) with the adhesive on the backing for display inwards from window, or (2) with the adhesive on the LEDs for display outwards through a window.

Mounting Option: As an alternative to adhering the Module directly to a surface such as glass, it can come mounted on a black, stainless steel belt backing to suspend in place, facilitating the ability to easily move to other display locations.

Module Orientation Notes:

Width and height dimensions represent an installation orientation where electronics are at the top and/or bottom. This orientation allows for an unlimited length for the installation's width dimension.

Surface-mounted modules may be mounted 90° to this orientation, where electronics are on the sides. This orientation allows for an unlimited length for the installation's height dimension.