

# P4 Outdoor LED Module

MW7740-MO-H1



## Features

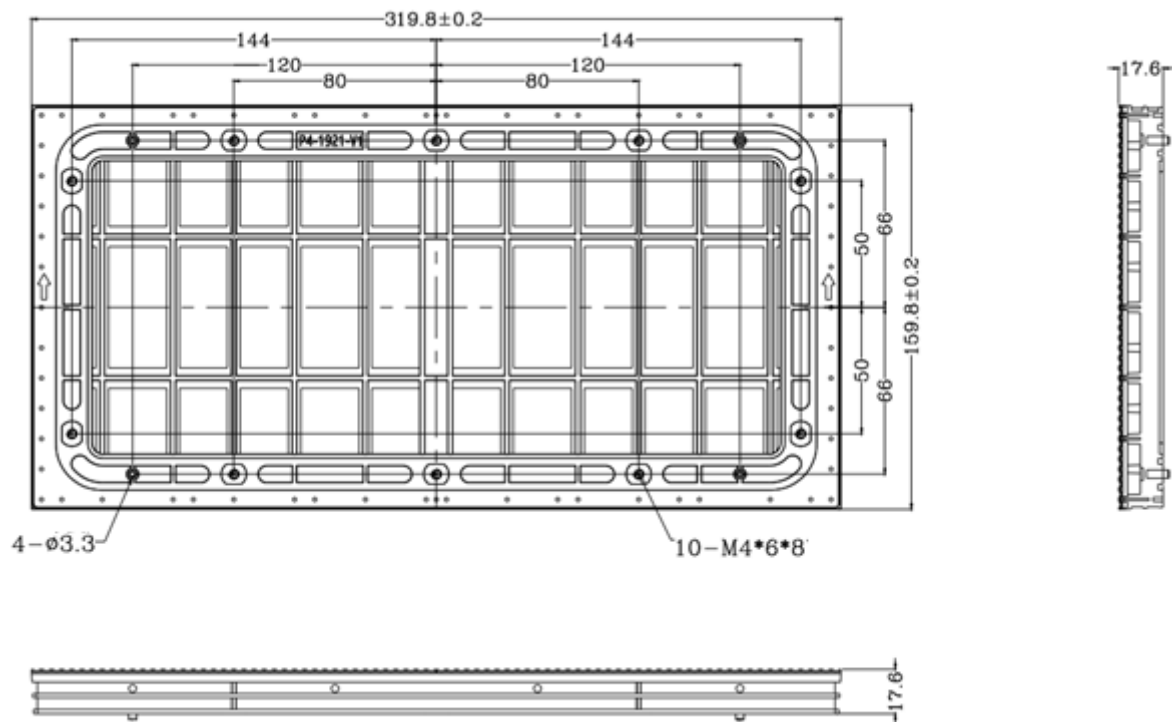
- The R, G, B wafers are encapsulated together to form a single pixel, delivering excellent color mixing effect and uniformity.
- Integrates lamp board and drive board for even current distribution, low power consumption, and fast heat dissipation.
- High brightness, low attenuation, high reliability, high weather resistance.
- The surface of the mask features a unique texture design in matte black, providing high contrast.
- The surface of the module's LED beads is a fully sealed structure. It uses a PC engineering plastic base shell for AB potting compound waterproof treatment, and also has UV resistance. The protection level of the lamp surface can reach IP65. The surface of the module's PCB has undergone three-proof treatment, which is moisture-proof, mildew-proof, and salt fog-proof.
- Long lifetime.
- Ultra-wide viewing angle ensures satisfactory viewing experience from diversified angles.

## Specifications

Model	MW7740-MO-H1
Module	
Pixel Pitch	P4
Module Resolution (W × H)	80 × 40
Module Dimensions (mm)	320 × 160
Cabinet	
Processing Image	
Brightness (nits)	4500
Color Temperature (K)	3000 to 12000 adjustable
Viewing Angle (H/V)	120°/120°
Center distance deviation of LED	≤ 3%
Brightness Uniformity	≥ 95%
Color Uniformity (Cx, Cy)	± 0.003
Contrast Ratio	3000:1
Processing performance	
Pixel Density (pitch/m <sup>2</sup> )	62500
Surface Evenness (mm)	≤ 0.8
Grayscale	14 bit
Scanning Mode	10 S
Drive Mode	Constant current driving
Frame Frequency (Hz)	50/60
Refresh Rate (Hz)	3840
Electrical	
Power Supply	DC 4.5 V
Average Power Consumption (W/m <sup>2</sup> )	285
Max. Power Consumption (W/m <sup>2</sup> )	850
General	
Ingress Protection	IP65 (front)
Weight (kg/pcs)	0.45 ± 0.02

Operating Temperature	-20°C to 55°C
Operating Humidity	10% to 80% RH, non-condensing
Storage Temperature	-25°C to 60°C
Storage Humidity	10% to 85% RH, non-condensing
LED Lifetime (h)	50000

## Dimensions



## Ordering Info

Product Model	Description
MW7740-MO-H1	P4 Outdoor LED Module

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