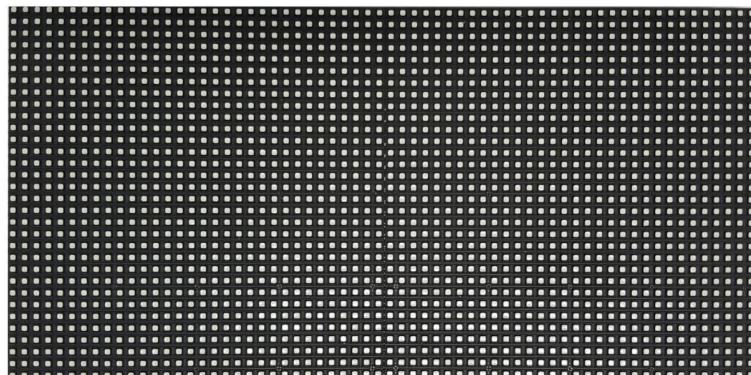


## DP-W400GF

### Outdoor P4 Full-Color LED Module



#### Description

The DP-W400GF Outdoor P4 Full-Color LED Module features a 4mm pixel pitch and 80×40 resolution, delivering sharp, vivid visuals in outdoor environments. With high brightness ( $\geq 6000\text{cd}/\text{m}^2$ ), high refresh rate ( $\geq 3000\text{Hz}$ ), 16-bit constant current driving, 14-bit gray scale, and brightness/color calibration support, it ensures smooth, flicker-free, and accurate display performance.

#### Features

- 4mm pixel pitch with 80×40 resolution for sharp, vivid outdoor visuals.
- High brightness  $\geq 6000\text{cd}/\text{m}^2$  for excellent visibility under strong sunlight.
- High refresh rate  $\geq 3000\text{Hz}$  for smooth, flicker-free image performance.
- 16-bit constant current driving with 14-bit gray scale and brightness/color calibration support for accurate, consistent color.
- Wide viewing angle ( $\leq 140^\circ$ ) and load range up to 128×256 pixels for flexible installation

## Specifications

LED Specifications (For reference only. Specifications may vary by shipment batch) (T=25°C)

Model	Color	IF (mA) TEST	Rd (nm) Typ	Iv (mcd) Typ	Vf (V) Typ	View Angle (deg.)
SMD2727	Red	15	620	470	2.0	110
	Green	10	525	700	3.0	110
	Blue	5	470	100	3.0	110

Model		DP-W400GF
Pixel Pitch		4mm
Pixel Density		62500 dots/m <sup>2</sup>
Module Resolution		80×64 pixels (W×H)
Module Dimensions		320×160×17mm (W×H×D)
Module Weight		Approximately 450g
Driving Method		16-bit constant current
Scan Mode		1/10
Operating Voltage		DC5V±10%
Maximum Current		9A (typical) ①
Maximum Power Consumption		45W (typical) ②
Power Interface		VH4
Signal Interface		HUB75 (IDC16)
Maximum Brightness		≥6000cd/m <sup>2</sup>
Color Temperature		9000±500K
Viewing Angle		≤140°
Optimal Viewing Distance		≥4m
Gray Scale		14-bit
Brightness & Color Calibration		Support
Refresh Rate		≥3000Hz③
Load Range		128×256 pixels (W×H, MAX.)
Brightness Adjustment Range		0-255 (adjustable)
Typical Lifespan		100,000 hours
Operating Temperature		-20°C~60°C
Operating Humidity		10%-90%RH, non-condensing
Storage Temperature		-40°C~80°C

**Notes:** ① ② Values depend on LED brightness and are for reference only. ③ Refresh rate is achieved using PWM-driven chips, ≥3000Hz.