

Metta Star

Endless Possibilities



P1.86

INDOOR LED MODULE

SPECIFICATION



LED Lamp Specification

Lamp Brand	Color	Intensity	Wavelength	Testing Conditions
Nationstar	Red	450mcd	622nm	25°C,15mA
	Green	680mcd	530nm	25°C,8mA
	Blue	100mcd	472nm	25°C,5mA

Module Image



Module Parameter

NO.	ITEMS	PARAMETER
1	Pixel Pitch Category	P1.86
2	Pixel pitch	1.86 mm
3	Pixel configuration	SMD
4	Lamp	Nationstar (Copper Bracket)
5	Module dimension (W × H × D)	320 mm × 160 mm
6	Pixel density	288906 dots/m ²
7	Module resolution	172 × 86
8	Lamp Bead Dimensions	1212
9	Signal Source Interface	HUB75E
10	Brightness	700 nits
11	Brightness Uniformity	≥ 97%
12	Color Temperature	3000 K to 10000 K adjustable
13	Color Uniformity	≤ ± 0.003Cx, Cy
14	Contrast Ratio	3000:1
15	Viewing Angle	160° (H)/160° (V)
16	Refresh Rate	≥7680 Hz
17	Scanning Amount	43
18	Grey Level	Up to 16 bit
19	Max. Consumption	≤ 600 W/m ²
20	Average Consumption	< 290 W/m ²
21	Input Voltage	DC: 4.5 V to 5 V
22	Working Temperature	-10 °C to 40 °C (14 °F to 104 °F)
23	Working Humidity	10% RH to 80% RH (without condensation)
24	Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
25	Storage Humidity	10% RH to 85% RH (without condensation)
26	Package Dimensions (W × H × D)	673 (W) mm × 453 (H) mm × 390 (D) mm
27	Net Weight	16 kg (40 pcs in 1 box)



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