

Metta Star

Endless Possibilities



P1.53

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	P1.53
2	Pixel pitch	1.538 mm
3	Pixel configuration	COB
4	Module dimension (W × H × D)	320 mm × 160 mm
5	Pixel density	422500 dots/m ²
6	Module resolution	208 × 104 (21,632 dots)
7	Lamp Bead Dimensions	1212
8	Signal Source Interface	HUB320
9	Brightness	650 cd/m ² to 700 cd/m ²
10	Brightness Uniformity	≥ 97%
11	Color Temperature	3000 K to 10000 K adjustable
12	Color Uniformity	≤ ± 0.003Cx, Cy
13	Contrast Ratio	5000:1
14	Viewing Angle	160° (H)/160° (V)
15	Refresh Rate	≥7680 Hz
16	Scanning Amount	52
17	Grey Level	Up to 16 bit
18	Max. Consumption	≤ 600 W/m ²
19	Average Consumption	< 290 W/m ²
20	Input Voltage	DC: 4.5 V to 5 V
21	Working Temperature	-10 °C to 40 °C (14 °F to 104 °F)
22	Working Humidity	10% RH to 80% RH (without condensation)
23	Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
24	Storage Humidity	10% RH to 85% RH (without condensation)
25	Driving Method	1/43 Scanning
26	Service Access	Front Access

Module Parameter

NO.	ITEMS	PARAMETER
27	Audio Aux Output	Yes
28	Video	Yes
29	Image	Yes
30	Optimum View Distance	$\geq 2 \text{ M}$



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