

Pitch 5.0mm (0.20") 32×32 Pixel
Indoor Full Color LED Module
Technical Data Sheet

Model No.: MI-T35P5RGBE-AE

Features:

- ◇ Pitch 5mm (0.20") indoor LED module.
- ◇ 32×32 pixel dot matrix.
- ◇ High luminous intensity output.
- ◇ 3528RGB SMD assembly.
- ◇ Well defined spatial radiation.
- ◇ Wide viewing angle (2θ1/2): ≥120°.
- ◇ Low power consumption.
- ◇ Reliable and robust.
- ◇ Solder state reliability.
- ◇ Emitting color: Full Color.
- ◇ The product itself will remain within RoHS compliant Version.

Descriptions:

- ◇ The series are 32×32 pixel 3528RGB SMD LED display.
- ◇ The indoor LED module provide excellent reliability in bright ambient light.
- ◇ The indoor LED module with LED dot matrix displays are assembled in the epoxy and plastic package.

Applications:

- ◇ Single graphic signs.
- ◇ Message boards.
- ◇ Variable message signs (VMS).
- ◇ Commercial indoor advertising, etc.

Package Dimension:

Top and Side View



Main Specifications:

Technical parameters	UNIT	
Pixel pitch	MM	5
Panel size	MM	L160*W160*H14
Physical density	/M ²	40000
Pixel configuration	R/G/B	1, 1, 1
Driving method		Constant current 1/16scan
Driver IC		MBI 5024
LED Encapsulation	SMD	3528
Display resolution	DOTS	32*32=1024dots
Module weight	KG	0. 36
Module port		HUB75D
Module working voltage	VDC	5
Module consumption	W	34
Option distance	M	5-60
Every square metre module	PCS	19. 53
Viewing angle	Deg.	H160 V160
Maximum power	W/ M ²	560/225W/m ²
Cabinet Resolution	DOTS	128*128
Frame Frequency	HZ/S	≥60
Refresh frequency	HZ/S	≥400
Equilibrium brightness	CD/ M ²	1400~1600cd/m ²
Working environment temperature	°C	-20~60
Working environment humidity	RH	10%~90%
Display working voltage	VAC	AC46~54HZ, 220V±15%/110V±15%
Max. power consumption (W/ m2)		560/225W/m ²
Gray scale/color		≥16.7M color
Input signal		RF\ S-Video\ RGB etc
Control system		nonlinearity card+DVI display card+Linsn control system
Mean free error time	HOURS	>5000
Life	HOURS	100000
Lamp failure frequency		<0. 0001
Safety		GB4793
Resist the electricity		1500V last 1minNo breakdown
Steel box weight	KG/ M ²	50 (standard steel box)
IP rating		The back IP40, The front IP50
Steel box size	mm	L640*W640*H80

LED Optical Characteristics (Ta=25℃) :

Item	Symbol	Description		Unit	Test Condition
Luminous Intensity	IV	R	180~220MCD	mcd	20MA
		G	650~750MCD		15MA
		B	90~110MCD		10MA
Peak Emission Wavelength	λ_p	R	620~630		nm
		G	520~525		
		B	465~470		
Viewing Angle		120			Degree