

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 <sup>2</sup>	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 <sup>2</sup>	560/225W/m <sup>2</sup>
<b>Cabinet Resolution</b>	DOTS	128*128
Frame Frequency	HZ/S	≥60
Refresh frequency	HZ/S	≥400
Equilibrium brightness	CD/ M <sup>2</sup>	1400~1600cd/m <sup>2</sup>
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 <sup>2</sup>
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 <sup>2</sup>	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	$\lambda_p$	R	620~630		nm
		G	520~525		
		B	465~470		
Viewing Angle		120			Degree

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Adafruit Accessories](#) category:*

*Click to view products by [Adafruit](#) manufacturer:*

Other Similar products are found below :

[3209](#) [3561](#) [3560](#) [3562](#) [2503](#) [3011](#) [3048](#) [2973](#) [2868](#) [2958](#) [2836](#) [2968](#) [3610](#) [3568](#) [3551](#) [2858](#) [3353](#) [3584](#) [3484](#) [2865](#) [3556](#) [3559](#) [3262](#)  
[3348](#) [2499](#) [2878](#) [2963](#) [3219](#) [3005](#) [2882](#) [PGM1202](#) [02-LDR1](#) [02-LDR12](#) [02-LDR13](#) [02-LDR14](#) [02-LDR15](#) [02-LDR2](#) [02-LDR3](#) [02-LDR4](#)  
[2194](#) [862](#) [460](#) [905](#) [02-LDR20](#) [02-LDR21](#) [02-LDR22](#) [02-LDR23](#) [1008](#) [1020](#) [1031](#)