



MODULE LED CONFIGURATION

Model: TUA-P2.0-M

Red LED Bulb

1	Wavelength at 2.05V – 2.4V, 20mA, 25°C	619 nm - 629 nm
2	Standard light intensity at 2.05V -2.4V, 20mA, 25°C	≥ 75mcd
3	Power dissipation	≤ 69mW
4	Maximum horizontal viewing angle width	160°

Green LED Bulb

1	Wavelength at 2.6V – 3.4V, 10mA, 25°C	515nm - 535 nm
2	Standard light intensity at 2.6V - 3.4V, 10mA, 25°C	200-290 mcd
3	Power dissipation	≤ 102mW
4	Maximum horizontal viewing angle width	160°

Blue LED Bulb

1	Wavelength at 2.6V -3.4V, 10mA, 25°C	465 nm - 475 nm
2	Standard light intensity at 2.6V - 3.4V, 10mA, 25°C)	90-170 mcd
3	Power dissipation	≤ 96mW
4	Maximum horizontal viewing angle width	160°

Module LED Specification

Environment	Indoor
Distance between two pixels	2.0 mm
Pixel configuration	1R1G1B (01 bulb includes 1 red bulb +1 blue + 1 green)
LED type	SMD 2121
Module dimension	320*160mm
Module	160*80= 12800 (pixels)
Scanning mode	1/32 scanning
Horizontal angle	160°
Vertical angle	160°
Light intensity	≥1800 cd/sqm
Refresh rate	1920 Hz/ 3840Hz (with scanning mode 1/32)
Pixels/m ²	250000 dot/m ²
Energy consumption	≤ 300W/m ²
Power input	AC110V-220V (±10%)
Image scanning frequency	≥ 60 hz
Humidity	10% ~ 90% (with no condensation)
Led bulb lifetime hours	≥100.000 hours
Minimum color display	16.7 million colors
Maximum color display	281 thousand billion colors
Power consumption (Avg)	267W/m ²
Power consumption (Max)	550W/m ²
Operating System	WINDOWS WINXP, VISTA, WIN 7, WIN 10
Change of light intensity	Manual or by Computer
Communication, control	Synchronize with the computer

