

12mm Indoor Series Direct Drive Specifications



Key Features

- Indoor applications
- High resolution 12mm pixel spacing
- Modules are 16x16 matrices
- Multiple communications options
- Made of only the highest quality LEDs
- Manufactured entirely in the United States

Specifications

Pixel Pitch	12.7mm (.5") centers
Pixel Configuration	3-in1 SMD Black Body (Cree)
Diode Type	SMT2020 package
Pixel Density	6,200 m ² / 576 ft ²
Diode Density	18,600 m ² / 1,728 ft ²
Brightness	2,000 nits
Viewing Angle	160° (+/- 80°) horizontal 160° (+/- 80°) vertical
LED Lifetime	100,000 hours
Video Processing	24 bit, 100% digital, no compression
Color Processing	16 bit per color (48 bit total)
Number of Colors	281 trillion colors
Dimming Capability	8 bit (256 levels of brightness)
Color Wavelength	red: 630nm green: 530nm blue: 468nm
Color Temperature	4,500 - 9,000K (adjustable)

Module Configuration	16x16 matrix
Module Size (in)	8" H x 8" W
Module Size (mm)	203.2mm H x 203.2mm W
Module Weight	.6 lbs / .27 kg
Power Frequency	120/240 volts, 50/60 Hz
Animation Rate	60 frames per second
Video Rate	60 frames per second
Refresh Rate	49,920hz
Scan Rate	1:1 non-multiplexed
Calibration	Pixel to Pixel - Module to Module
Working Temperature	(-30°F to 131°F) (-32°C to 55°C)
Cabinet Construction	All aluminum construction
Certification	CE, UL/ULC listed
Cooling	Quiet running vent fans
IP Rating	IP50

