



Detailed Specification Sheet

14' x 48' – 19MM BULLETIN

19mm Specifications

Matrix	208 x 752
Size	14' x 48'
Max Amps	50 amps at 240V, 1 Ph.
# of Modules	611 Modules
Weight	6048 lbs

Standard Watchfire Digital Billboard Features

Application	Advertising and branding
Module Type	Smart Module – fully self contained
LED Encapsulation	Fully encapsulated; suspended in a bed of silicone gel
Compliance Information	UL48, CUL48, UL Energy Efficiency Verified (Green Leaf certification); FCC Class A compliant
Environmental Rating	IP 65 per face
Ventilation	Rear ventilation
Power	120 or 240 volt single phase 60Hz
Cabinet Construction	Extruded aluminum, precision mitered solid weld corners
Cabinet Depth	8" / 20.3cm
Service Access	Front or optional front/back access
Fault Management	On-demand and automated diagnostic monitoring to individual LED level; Multi-Channel Data Protection
Software	Ignite® Online
Cabinet Temperature Rating	-40°F to +140°F (-40°C to +60°C)
Electronics Temperature Rating	-40°F to +185°F (-40°C to +85°C)
Thermal Control	Automatic shut-down if temperature exceeds 149°F (65°C)
Color Temperature	6500° Kelvin fixed
Dimming	Photocell, auto-adjustment from 1% - 100% brightness; Software backup
Electronic Validation	Accurate proof of performance on digital billboards
LED Type	Nichia, Cree
Security	DDI security certification rating: Excellent; Password-protected software interface
User Interface	Web application
Weatherproofing	Tested per ASTM B-117 that exposes test materials to a continuous, 95°F (35°C), 7.2 ph salt fog, for 2,000 hours
Windload rating	Complies with IBC 2006/2009 standards

Technical Specifications

OA Series

Model Number	OA 19mm
Model Name	True 19mm
Pixel Pitch	19.05mm (.750")
Pixel Density Per Sq. Ft.	256
Pixel Density Per Sq. Meter	2,755
LEDs Per Sq. Ft.	768
LEDs Per Sq. Meter	8,267
Pixel Configuration	True pixel, 1R, 1G, 1B
Max Amperage Per Module	0.155 amps
Max Brightness	7,500 NITS
Matrix Configuration	16 x 16 pixels
Module H X W	12" x 12" (30.48cm x 30.48cm)
Horizontal Viewing Angle	140°
Vertical Viewing Angle	70°
Weight	9 lbs/ft ² (0.38 kg/m ²); bulletin weight is approximately 6,870 lbs (2812 kg)
Weight Per Module	4.25 lbs (1.93 kg)
Calibration	Whole-sign color calibration
Color Capability	1.15 quintillion