

BRIGHTLUX

Education

LED Display Specification for Schools, Universities & Campuses

Application-specific LED display specifications for architects, AV consultants, and project managers in the UAE and GCC.

1. AUDITORIUM / LECTURE HALL

Parameter	Specification
Type	SMD or MiP indoor panels
Pixel Pitch	P2.5 - P3.9 (viewing 5-20m)
Brightness	800 - 1,200 nits (mixed room lighting)
Size	Minimum 4m wide for large halls
Input	HDMI, USB-C, wireless casting for lecturers
Audio	Integrate with hall PA system
Content	Presentations, video playback, live streams

2. CAMPUS DIGITAL SIGNAGE NETWORK

Parameter	Specification
Type	Indoor SMD panels (cost-effective)
Pixel Pitch	P2.5 - P4 (corridor/common area)
Brightness	1,000 - 1,500 nits
Network	Cloud CMS for centralized content management
Content	Announcements, schedules, emergency alerts
Quantity	Multiple screens managed from one platform
Emergency	Override capability for emergency broadcasts

VENDOR CHECKLIST

Before signing off on any LED display specification, confirm:

01. Technology type matches application requirements
02. Pixel pitch appropriate for actual viewing distance
03. Brightness specified at operating temperature (not lab 25C)
04. IP rating covers actual installation environment
05. Front or rear service matches physical access constraints
06. Redundancy level appropriate for criticality
07. Control system and content management platform confirmed
08. Structural and electrical requirements documented
09. Warranty terms and SLA clearly defined
10. Spare parts provision agreed
11. Installation and commissioning scope defined
12. Training for operators included

BRIGHTLUX | Premium LED Display Solutions

Dubai, UAE | +971 55 991 0711 | info@brightlux.com | brightlux.com