

BRIGHTLUX

Corporate & Control Room

Fine-Pitch LED Wall Specification for Command Centres & Boardrooms

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

1. COMMAND / CONTROL ROOM (24/7)

Parameter	Specification
Type	COB (best contrast + lifespan for 24/7)
Pixel Pitch	P0.7 - P1.2 (close viewing, data-dense)
Brightness	400 - 600 nits (dark room, prevent eye strain)
Contrast	15,000:1+ ANSI (critical for data readability)
Refresh Rate	3,840 Hz+ (operators photograph screens)
Redundancy	Dual PSU, dual data, hot-swap modules
Operation	24/7 rated, 100,000+ hour lifespan
Calibration	Factory + on-site, annual re-calibration
Processing	Novastar or Brompton with windowing

2. EXECUTIVE BOARDROOM

Parameter	Specification
Type	COB or MiP (premium quality)
Pixel Pitch	P0.9 - P1.5
Brightness	600 - 800 nits (mixed lighting)
Size	Typically 3-6m wide, 16:9 aspect
Input	HDMI 2.0, USB-C, wireless casting
Audio	Integrate with room DSP

Parameter	Specification
Service	Front-service (typically wall-mounted)

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

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