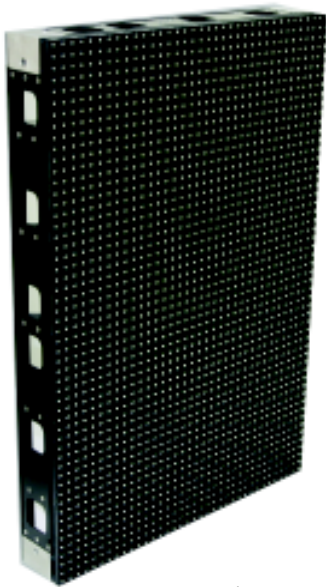


OLite 612



One OLite 612 consists of 24 OLite modules

Don't be a square

With Barco's OLite 612, you can be as creative as you want — and leave all the technical stuff to us.

- Create dazzling displays of various shapes and sizes with twenty-four independent modules that calibrate automatically.
- Deliver your message with increased brightness (6,000 NIT) and noticeably superior contrast levels.
- Electrify crowds with unrivaled image resolution, extreme viewing angles, and 15-bit color processing.

Modular imagination and indoor/outdoor flexibility (IP65 rating) make OLite 612 the most arresting and versatile all-in-one display system on the market.

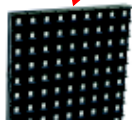
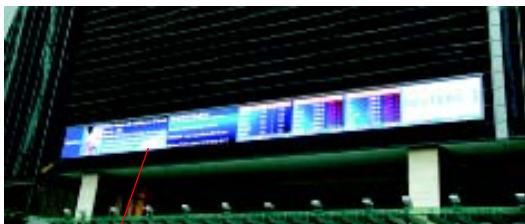
Break the mold

In today's attention deficit economy, the only way to create a lasting impression is to exceed expectation. OLite 612 lets you challenge convention, redefine the image landscape, and create visibility like never before.

- Use as a single, ready-to-use display, or reconfigure the modules independently with seamless precision.
- Stream data or video over custom-designed full-color screens, and incorporate into set designs.
- Onboard intelligence enables fast tile hot-swapping, and auto image configuration regardless of shape, size, or aspect ratio.



OLite's modularity provides full creativity



Light traps and robust shaders improve contrast levels

Demand attention

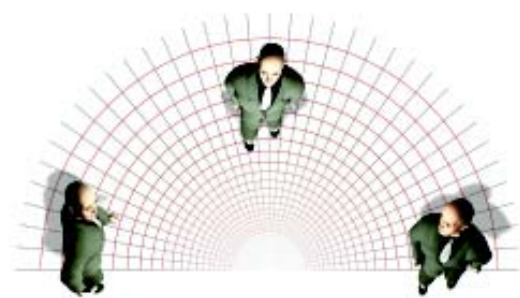
With a revolutionary new shader design delivering noticeably superior contrast levels, you can't be ignored — even in broad daylight.

- New geometric shader, with black matte finish, controls the amount of light reflected back toward viewers.
- Tempered lens covers spatially diffuse light, decreasing pixilation and improving critical black levels.
- Adjustable brightness output (1,500 to 6,000 NIT, calibrated) well-suited for indoor or outdoor settings.

Make an impression

SMD technology guarantees optimal viewing conditions regardless of position. Even at viewing angles of 145° horizontal or 80° vertical, the image remains sharp and consistent.

- Sophisticated LED calibration ensures uniform image distribution across the display.
- Advanced 15-bit processing generates vibrant colors (185 trillion of them) across the spectrum.
- IP65-certified enclosures guard against dust and weather—ideal for repeated use in harsh rental and staging environments where guaranteed quality is essential.



High brightness, sharp images, and uniform color distribution—even at extreme viewing angles

Powerful processing

Barco's advanced image processing systems (Director Toolset, D320 Digitizer, and LED-PRO) simplify and automate content control.

Director Toolset

An intuitive graphic user interface for fast installation, system calibration, and content management — conveniently comprised of a series of modules:

Configuration Module

- Improved data management (copy, delete, save, etc.)
- Off-line project creation
- Fast re-configuration set-up
- Full connectivity overview
- Direct access to all devices (LED, Fiber, Digitizer, AEC)
- Mixing console
- XLite Toolset configuration

Tile Position Module

- Auto/manual positioning
- Creative wall configurations
- Segmented displays (tickers, multiple walls, etc.)

Operations Module

- Export settings (viewport, window)
- Color/window/picture insertion
- Recall presets via preview/live window
- Undo/redo

Monitoring Module

- Bug report generation
- Configuration report generation

IX Module

- Creative design module (OLite 612, MiPIX, MiSPHERE)

D320 Digitizer

Syncs video and data from a variety of sources — scaled and compressed — ensuring compatibility with all resolutions and aspect ratios:

- Four interchangeable inputs per D320 L/PL
- Daisy-chainable up to 64 units, allowing 256 sources to be displayed on a screen
- Infinitely stackable with up to 4 sources per screen, per digitizer
- Source inputs may be mixed or individually scaled
- Lock-mode function eliminates the need for external frame rate conversion
- Chroma-key, alpha-blend, zoom, etc.



D320 Digitizer

LED-PRO

Interfaces with Barco LED displays for high-quality image scaling and processing — the ideal solution for simple, single wall applications:

- Easy front panel operation
- Full display set-up wizard
- Universal inputs
- Supports up to 480,000 active pixels



LED-PRO

Image transmission

A 5m DVI data cable runs between the digitizer and the display. For longer distances, Barco offers:

Compact Link

Mid-range optical solution for lengths of 50-100m. Connects the digitizer to the wall, or from wall to wall.

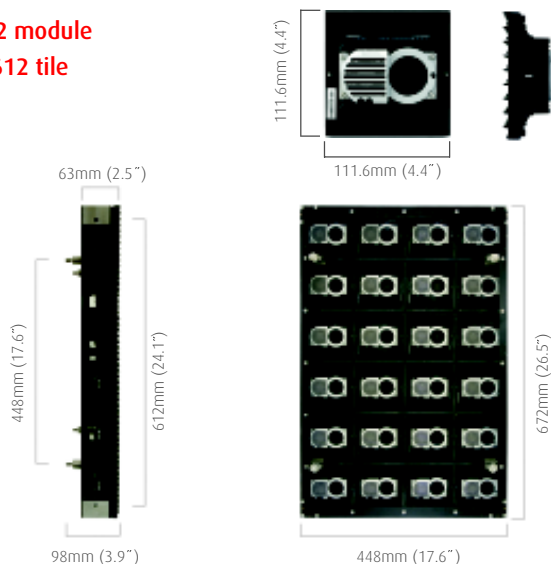
FiberLink2

Long-range fiber-optic solution for guaranteed quality of up to 300m (multimode), or 5,000m (single mode).

OLite specifications

	OLite 612
Pixel pitch	12mm
Brightness (calibrated, 6,500°K)	6,000 NIT
LED configuration	3-in-1 SMD
Pixel density	6,457/m ²
Contrast (at 200 lux)	1,120:1
Viewing angle horizontal (no color shift)	> 145°
Viewing angle vertical (no color shift)	> 90°
Lifetime (full white half brightness)	50,000 hrs.
Power consumption	1,330W/m ² (max.); 382W/m ² (ave.)
Weight/m ² (est., includes modules, cables, control box, frame)	123 kg (271lbs)
Processing	15.8-bit/color at 50Hz
Colors	185 trillion
Refresh rate	800Hz/min. (PAL/NTSC)
Operating temperature	-20°C to 45°C (-4°F to 113°F)
Storage temperature	-20°C to 60°C (-4°F to 140°F)
Operating humidity	10% to 99%
Storage humidity	10% to 99%
D320 input compatibility	S-Video, Composite, YUV, SDI, HDSDI, data DVI up to UXGA
Certifications	UL, CE, TUV, FCC Class A

OLite 612 module & OLite 612 tile



Ref. No.: R599300

While the information and data given are typical for the equipment described, product specifications are subject to change without notice. The latest version of this product sheet can be found at www.barco.com. Oct. 2007

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