

ILite MD



Indoor LED display solutions

Barco's indoor LED display product range - the ILite MD - delivers images with high brightness and unequalled contrast levels as well as superb color uniformity. With its slim, sleek design, the ILite MD allows the build up of almost any shape and size display and is ideal for use in smaller indoor locations with restricted viewing distances.

Renowned for their ultimate picture quality, Barco's indoor LED display products have been awarded numerous industry awards over the past few years. Following resolutions are available: 3mm, 6mm, 8mm, 10mm and 12mm.

More than just an indoor LED display product, the ILite MD LED display range is ideally suited for countless applications - from indoor locations that deserve a touch of glamour such as retail stores, showrooms or corporate lobbies, to large venues such as entertainment areas and sports arenas.

Achieving perfection in image quality and system reliability

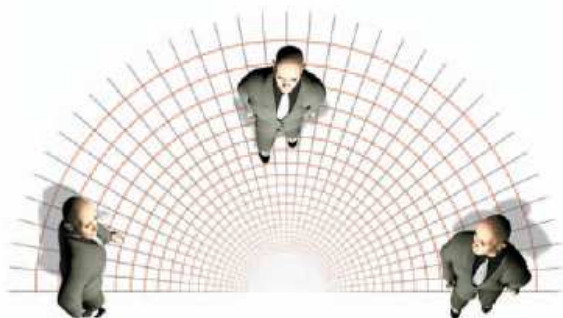


Fully engineered and manufactured by Barco, the ILite MD is the most advanced in LED display technology and design quality. An extremely stringent selection of the SMT (surface mount technology) LED components together with Barco's extensive experience in image processing guarantees ultimate picture quality, longevity and low cost of ownership.

The indoor LED display range, available in 3mm, 6mm, 8mm, 10mm and 12mm resolutions, offers the perfect solution for generating the ultimate picture in all bright indoor environments. The ILite MD display range offers many benefits not found in other display technologies.

- **Unequaled brightness & extreme viewing angles**

Using state-of-the-art SMT LED technology, the Barco ILite MD range offers a high resolution display delivering high brightness, even at extreme viewing angles. Half of the full brightness is still perceived at viewing angles of 145 degrees from the surface of the display. The ILite MD products also offer an extreme fill factor, which delivers perfect images, even at short viewing distances!



high brightness, even at extreme viewing angles

- **True color reproduction & authentic video quality**

The ILite MD display modules incorporate LED System Color Signature, Barco's Proprietary True Color Reproduction™ and True Motion Reproduction technology, which ensure accurate color uniformity and smoother, flicker-free video. Whether it is used as a video board, or for data content and messaging, the ILite MD display product offers the perfect picture over the life-time of the display.

Barco's True Color Reproduction Technology ensures color accuracy and consistency across the entire screen and across time



- **Slim, modular design**

The ILite MD's slim, light-weight, modular design offers both flexibility in the shape and design of a display. This enables the displays to be built in areas with restricted available space. For fixed installations, the ILite MD is placed in a rugged structure that easily integrates in any environment. This self-supporting structure allows for easy service access, guaranteeing minimum down time and minimum time to repair per display. Tiles can also be 'hot-swapped', ensuring uninterrupted performance of the display during repair.

- **Ultimate system reliability**

Using Total Quality Management techniques in both component sourcing & manufacturing as well as product design ensures a quality product that delivers a secure long-term investment. Every ILite MD module is also equipped with an embedded PC, which provides it with intelligence and processing upgradability. Add to that each tile's built-in innovative heat management system, and Barco's ILite MD display products offer a high-quality product with a longer life-time, ensuring lower cost of ownership than many of its competitors.

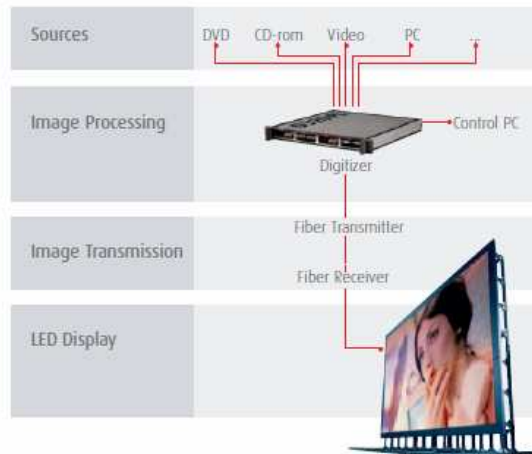
A complete display solution

The iLite MD range is more than just the best range of indoor LED displays available. Its integrated concept - from image processing and transmission to the application specific mounting structure - allows for fast set-up, easy service and full control over both video and data sources.

Combined with Barco's application software for display management and control, the indoor LED display products provide a complete solution for visualization in various indoor environments.



XLite Toolset - LED display configuration software



Countless applications

Barco's iLite MD display range offers many different resolution options that are suitable to a variety of applications in the rental & staging market as well as for fixed indoor installations:

- Corporate lobbies
- Entertainment venues
- Museums & visitors centres
- Sports arenas
- Retail venues



*Head Quarters, Picanol, Belgium
University of Texas, Austin, Texas*

Audi booth at IAA, Frankfurt 2003



ILite MD specifications

	ILite 6 MD	ILite 8 MD	ILite 10 MD	ILite 12 MD
Pixel pitch	6 mm	8 mm	10 mm	12 mm
Brightness (Display calibrated at 6500°K)	1,800 NIT 1,500 NIT	1,800 NIT 1,500 NIT	1,800 NIT 1,500 NIT	1,800 NIT 1,500 NIT
LED configuration	3-in-1 SMD	3-in-1 SMD	3-in-1 SMD	3-in-1 SMD
Pixel density	25,920/m ² (2,410/ft ²) 5,184/tile (72x72)	15,680/m ² (1,458/ft ²) 3,136/tile (56x56)	9,680/m ² (900/ft ²) 1,936/tile (44x44)	6,480/m ² (602/ft ²) 1,296/tile (36x36)
Viewing angle (min. 50% brightness)				
• Horizontal	145° +	145° +	145° +	145° +
• Vertical	145° +	145° +	145° +	145° +
Contrast ratio	950:1	950:1	950:1	950:1
Lifetime (typical use)	100,000 h	100,000 h	100,000 h	100,000 h
Lifetime (full white - half brightness)	45,000 h	45,000 h	45,000 h	45,000 h
Power consumption / tile				
• maximum	400 W	400 W	400 W	400 W
• average	100 W	100 W	100 W	100 W
Weight / tile (including structure)	13 kg (28.7 lbs)	13 kg (28.7 lbs)	13 kg (28.7 lbs)	13 kg (28.7 lbs)
Processing (color)	14 bit/color	+12 bit/color	+12 bit/color	+12 bit/color
Processing (greyscale)	8 bit/color	8 bit/color	8 bit/color	8 bit/color
Colors	4.4 trillion	68.7 billion	68.7 billion	68.7 billion
Refresh rate (PAL/NTSC) minimum	400 Hz	400 Hz	400 Hz	400 Hz
Temperature				
• operating	0 - 40°C (32 - 104°F)	0 - 40°C (32 - 104°F)	0 - 40°C (32 - 104°F)	0 - 40°C (32 - 104°F)
• storage	-20 - 60°C (-4 - 140°F)	-20 - 60°C (-4 - 140°F)	-20 - 60°C (-4 - 140°F)	-20 - 60°C (-4 - 140°F)
Humidity				
• operating	35 - 85%	35 - 85%	35 - 85%	35 - 85%
• storage	10 - 90%	10 - 90%	10 - 90%	10 - 90%
Source compatibility	S-Video - Composite - YUV - RGB - SDI - HDSDI - Data DVI up to SXGA			
Certification	UL - CE - TUV Class A			
Dimensions				
Ordering information				
• ILite 6 MD	R9004046			
• ILite 8 MD	R9004066			
• ILite 10 MD	R9004056			
• ILite 12 MD	R9004110			
<p>For full details on Barco's ILite 3, please refer to the ILite 3 brochure [ref R599717]</p>				