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Planar DirectLight Essential Series

COB LED Video Walls

- *0.7, 0.9, 1.2 and 1.5mm pixel pitches*
- *Featuring COB LED technology for enhanced reliability and image quality*
- *30,000:1 contrast ratio for deeper blacks and sharper visuals*
- *Compatible with multiple controllers*
- *Backed by 3-Year Warranty*

The Planar® DirectLight® Essential Series is a line of fine pixel pitch LED video walls that deliver stunning visual performance tailored for budget-conscious indoor applications. Designed with COB (Chip-on-Board) technology, these displays offer higher pixel density and increased durability compared to traditional LED designs. The result is an exceptional viewing experience with improved brightness, deeper blacks and a high contrast ratio – perfect for high-traffic indoor environments with abundant ambient light.

Performance Meets Value

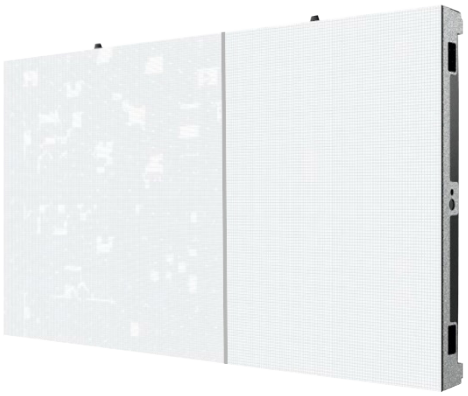
Planar DirectLight Essential Series offers exceptional value, combining vivid image quality, durable COB technology and energy efficiency at an accessible cost. It's the ideal entry point to the Planar DirectLight portfolio of fine pitch LED solutions for budget-conscious projects.

Durability That Delivers

The Planar DirectLight Essential Series is built tough with COB LED technology, reducing failure points and stress on components. The result is exceptional durability, water resistance and lasting reliability, making it ideal for challenging indoor environments.

Energy-Efficient Design

COB LED technology featured in Planar DirectLight Essential Series offers energy efficiency by reducing power consumption while enhancing visual quality. Its design maximizes light output and minimizes energy loss, delivering bright, consistent visuals with lower operating costs. Efficient heat dissipation and a longer lifespan ensure stable, long-term performance.



COB LEDs Matched for Visual Uniformity

During the manufacturing process for Planar DirectLight Essential Series, each individual COB LED is quality-tested to ensure consistent color temperature and brightness, ensuring smooth, uniform visuals.

Controller Compatibility

Compatibility with video processors from Colorlight or the Planar® WallDirector™ Video Controller gives customers the freedom to choose the ideal solution for their application's unique requirements.

Added Assurance

Planar DirectLight Essential Series displays feature a 3-year LED Standard Limited Warranty offering additional peace-of-mind investment protection.

Tailor Your Video Wall

Configure a Planar DirectLight Essential Series video wall to precisely match Full HD (1920×1080) or 4K (3840×2160) resolution based on your chosen pixel pitch and available installation space. Whether you're working with a compact space or building a large-scale display, the modular design makes it easy to scale to your resolution needs.

Full HD *1920 x 1080* 4K *3840 x 2160*

Models	*3 x 3*	*4 x 4*	*5 x 5*	*6 x 6*	*8 x 8*	*10 x 10*
DLE 0.7			4K			
DLE 0.9	Full HD			4K		
DLE 1.2		Full HD			4K	
DLE 1.5			Full HD			4K

Off-the-Shelf Planar DirectLight Essential Complete Video Walls

To reduce the time, complexity, and cost of designing and installing a video wall, the Planar DirectLight Essential Series is available in convenient pre-configured video wall solutions.

Simply select the video wall size and resolution that best suits the environment and application, and receive the complete package.

INCLUDED:

- LED Display Cabinets
- Video Controller
- Remote Control
- Wall Mounts
- Trim
- Cables
- Spare Modules

Available Sizes

109" | 136" | 163"

Specifications

Cabinet Model	DLE 0.7	DLE 0.9	DLE 1.2	DLE 1.5
Pixel Pitch (mm)	0.78	0.93	1.25	1.56
Cabinet Dimensions (mm)	600 × 337.5 × 40.4			
Cabinet Weight (kg)	4.4			
Cabinet Resolution (pixels)	768 x 432	640 x 360	480 x 270	384 x 216
Module per Cabinet	4 x 2			2 x 2
Module Dimensions (mm)	150 x 168.75			300 x 168.75
Module Resolution (pixels)	192 x 216	160 x 180	120 x 135	192 x 108
Max. Brightness (nits)	1,500		1,000	700
Contrast	30,000:1			
Colour Temperature (K)	3,000 - 10,000 Adjustable			
Horizontal Viewing Angle	170°			
Vertical Viewing Angle	150°			
Refresh Rate (Hz)	3,840			
Peak Power (W/m^2)	593			
Typical Power (W/m^2)	127			
Power (V-AC)	100-240			
Power Supply	Single			
Operating Temperature (°C)	-10 to 40			
Operating Humidity Range	10% to 80%			
Storage Temperature (°C)	-20 to 60			
Storage Humidity	10% to 85%			
Typical Lifetime (hours)	100,000			
Service Access	Front			
Warranty	Standard 3-Year Warranty			

Complete Model	Complete HD 109"	Complete HD 136"	Complete 4K 136"	Complete 4K 163"
Pixel Pitch (mm)	1.25	1.56	0.78	0.93
Display Dimensions (mm)	2,400 x 1,350	3,000 x 1,687.5	3,000 x 1,687.5	3,600 x 2,025
Display Size (Diagonal)	108.4" (275cm)	135.5" (344cm)	135.5" (344cm)	162.6" (413cm)
Display Resolution (pixels)	1920 x 1080	1920 x 1080	3,840 x 2,160	3,840 x 2,160
Max. Brightness (nits)	1000	700	1500	1500
Viewing Distance	2 to 4.5m (7 to 14')	2.5 to 5m (9 to 16')	2 to 4.5m (7 to 14')	3 to 6m (11 to 20')
Peak Power (W)	1920	3000	3000	4320
Accessories	Tool Kit, Wall Mount, Trim, Spare Modules, USB			
Warranty	Standard 3-Year Warranty			

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