

NEC Display Solutions

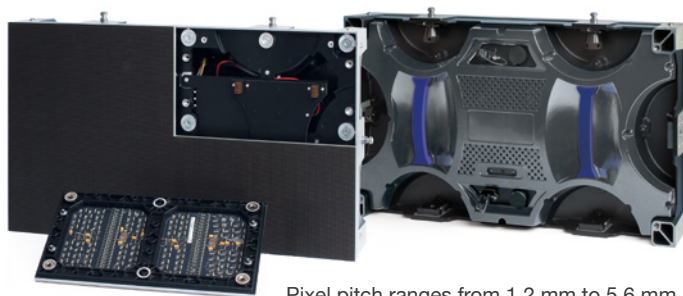
# LED LiFT Indoor Fine Pitch Series



NEC Display Solutions launched a range of fine pitch products at ISE 2016 which set new standards in terms of image quality, flexibility for front access maintenance and upgradeability of resolution.

Complementing the excellent range of large format displays, video walls and hi-light output projectors the new LiFT (LED intelligent Front Technology) modules provide the ultimate visual experience.

With its 16:9 aspect ratio the new product is a perfect match for the professional AV market. It has a very high quality cabinet measuring 608 mm wide by 342 mm high and 90 mm deep.



Pixel pitch ranges from 1.2 mm to 5.6 mm.

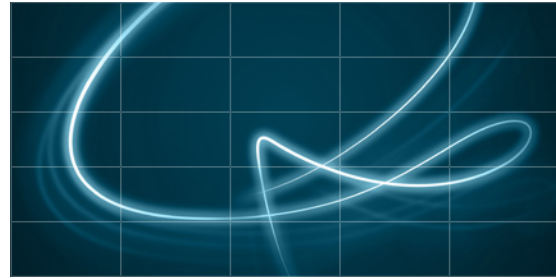
## Designed to provide stunning results

Utilising an ultra-black mask the modules provide high contrast levels, brilliant crisp and clear images. The fine pitch LED walls attract an audience from wherever they may be located due to excellent viewing angles and the resulting seamless dynamic image impresses all viewers.

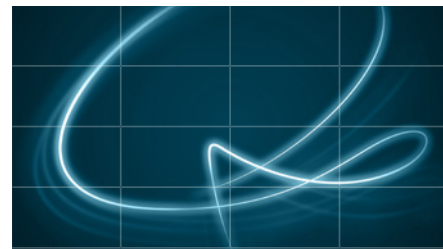
Due to its light weight and physical size the 9kg modules are easy and simple to install with a quick locking cabinet system and cable free design they guarantee minimal installation time. Thanks to its intelligence, the module automatically recognises the pitch of the pixel card being attached – it also provides the possibility of upgrading the resolution simply and efficiently without any disruption to the structure of the installation. This front-access pixel card solution offers straightforward maintenance using an electro magnet.

Due to the choice of pitches for the LiFT modules there are multiple options to achieve native HD resolution (1920 x 1080) with 4 x 4, 5 x 5, 6 x 6 or 12 x 12 configurations.

Native HD 1.5 mm 5 x 5 modules (137 inch diagonal)



Native HD 1.2 mm 4 x 4 modules (110 inch diagonal)



## Mounting Solutions and Options

Every installation of a fine pitch LED wall will be unique requiring careful design and planning to ensure the perfect fit. NEC Displays can support the end user and/or system integrator in this phase.

There are a number of additional options available to enable this.

To ensure the LED wall fits the space perfectly different mounting solutions are available:

- Wall mounted
- Floor standing
- Flying structure from above

For critical solutions it may be necessary to consider a configuration with additional robustness in terms of power and data signal. This can be achieved by choosing a redundancy option whereby an additional power supply and data card is added to each module and in the unlikely event of a failure in either power or signal that the screen will automatically switch to the alternative power or data source.



For environments where there is a risk of moisture in the area close to the wall (or liquid spillage) a nano coating is an option to be included in the screen during the manufacturing process which can provide added protection.

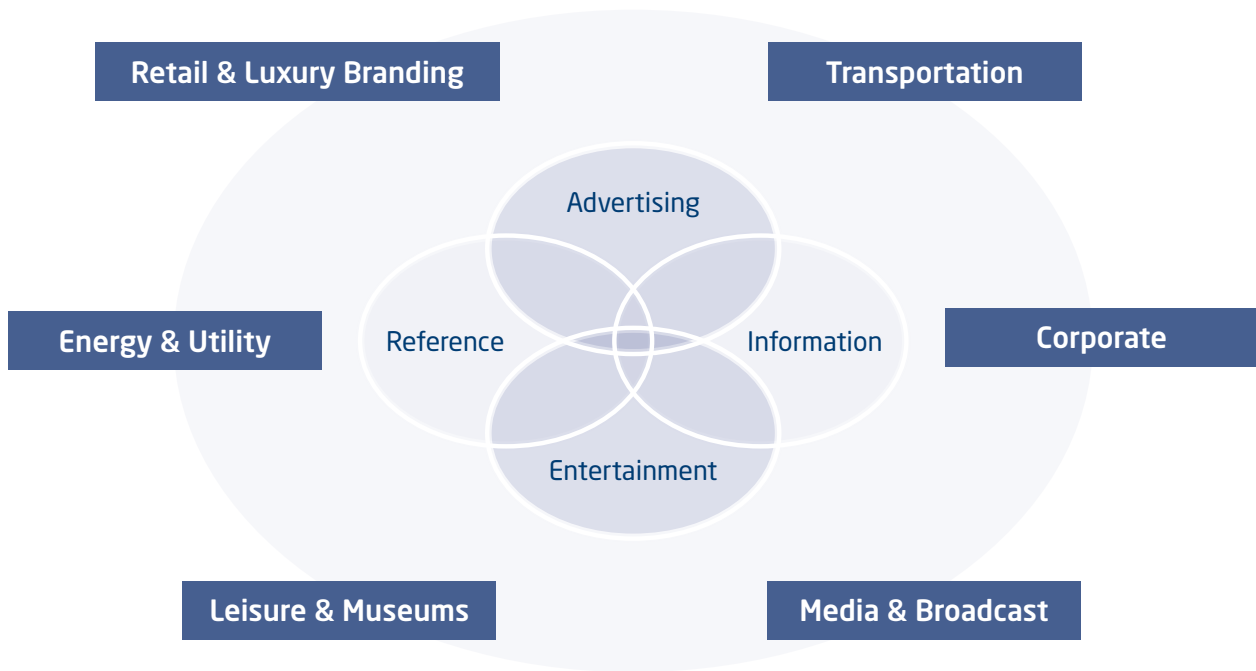
For Broadcast applications an anti-moire filter can be an important option to ensure the cameras capture a clear and clean image with no rainbow effects.

As well as supporting you through the design, planning and mounting options for the screen NEC can provide installation support for your project. This can cover the physical installation of mounts and modules, through to set up and commissioning of the screen and training the users on suitable content and how to adjust the various settings on the screen through a variety of training programmes.





## Markets and Applications



Transportation	Corporate	Media & Broadcast	Leisure & Museums	Energy & Utility	Retail & Luxury Branding
Advertising	Boardroom	Studio backdrops	Advertising	Large multiple screen	Advertising
Information boards	Auditorium	Anchor desks	Posters	Control room monitoring	Front window displays
Waiting areas	Lobby screen	Lighting effects	Cinema films	Meeting rooms	Showrooms
	Meeting rooms	Control room	Interactive displays		Luxury branding



## Specifications

	<b>L012Si</b>	<b>L015Si</b>	<b>L019Si</b>	<b>L023Si</b>
Order Code	60004280	60004139	60004123	60004124
Pixel Configuration	3-in-1 SMD	3-in-1 SMD	3-in-1 SMD	3-in-1 SMD
Number of Pixel per m <sup>2</sup>	623334	398892	277008	177285
Pixel Pitch [mm]	1.266	1.583	1.9	2.375
Brightness (typ.) [cd/m <sup>2</sup> ]	800	800	800	800
Contrast Ratio (typ.)	3000:1	3000:1	3000:1	3000:1
Colour Processing	16 bit	16 bit	16 bit	16 bit
Viewing Angle Hor / Vert [°]	160 / 160	160 / 160	160 / 160	160 / 160
Dimming Capability	256 levels	256 levels	256 levels	256 levels
Gamma Correction	Yes	Yes	Yes	Yes
Refresh Rate	> 3000 Hz	> 3000 Hz	> 3000 Hz	> 3000 Hz
Digital Inputs	DVI	DVI	DVI	DVI
Power Consumption [W] per m <sup>2</sup>	280W (typ) 800W (max)	280W (typ) 800W (max)	280W (typ) 800W (max)	280W (typ) 800W (max)
Dimensions (W x H x D) [mm]	608 x 342 x 90	608 x 342 x 90	608 x 342 x 90	608 x 342 x 90
Weight per sqm [kg]	46	46	46	46
IP Level	IP30	IP30	IP30	IP30
Serviceability	Front and Rear	Front and Rear	Front and Rear	Front and Rear

	<b>L027Si</b>	<b>L038Si</b>	<b>L047Si</b>	<b>L056Si</b>
Order Code	60004281	60004125	60004282	60004284
Pixel Configuration	3-in-1 SMD	3-in-1 SMD	3-in-1 SMD	3-in-1 SMD
Number of Pixel per m <sup>2</sup>	135763	69252	44321	31888
Pixel Pitch [mm]	2.714	3.8	4.75	5.632
Brightness (typ.) [cd/m <sup>2</sup> ]	1000	1200	1200	1200
Contrast Ratio (typ.)	3000:1	3000:1	3000:1	3000:1
Colour Processing	16 bit	16 bit	16 bit	16 bit
Viewing Angle Hor / Vert [°]	160 / 160	160 / 160	160 / 160	160 / 160
Dimming Capability	256 levels	256 levels	256 levels	256 levels
Gamma Correction	Yes	Yes	Yes	Yes
Refresh Rate	> 3000 Hz	> 3000 Hz	> 3000Hz	> 3000Hz
Digital Inputs	DVI	DVI	DVI	DVI
Power Consumption [W] per m <sup>2</sup>	220W (typ) 620W (max)	240W (typ) 680W (max)	259W (typ) 740W (max)	259W (typ) 740W (max)
Dimensions (W x H x D) [mm]	608 x 342 x 90	608 x 342 x 90	608 x 342 x 90	608 x 342 x 90
Weight per sqm [kg]	46	46	46	46
IP Level	IP30	IP30	IP30	IP30
Serviceability	Front and Rear	Front and Rear	Front and Rear	Front and Rear

Above listed LED modules are manufactured by S[quadrat] GmbH.



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**NEC Display Solutions Europe GmbH – HQ**  
Landshuter Allee 12-14  
80637 München, Germany  
Phone: +49 (0) 89 99 699-0  
Fax: +49 (0) 89 99 699-500  
infomail@nec-displays.com  
www.nec-display-solutions.com