soundTHRU

digiLED

Don't let audio hardware ruin a seamless immersive experience

soundTHRU keeps things hidden allowing full audio transmission

digiLED

THE LED SCREEN EXPERTS

soundTHRU

IMMERSIVE VISUALS DESERVE INVISIBLE SOUND

Don't let visible speakers and bulky audio gear wreck the seamless look you've worked hard to create. In immersive spaces people expect everything to feel flawless - one glimpse of a speaker can pull them right out of the moment. soundTHRU changes that. It lets you hide the speakers behind the LED screen while still delivering powerful, high-quality audio
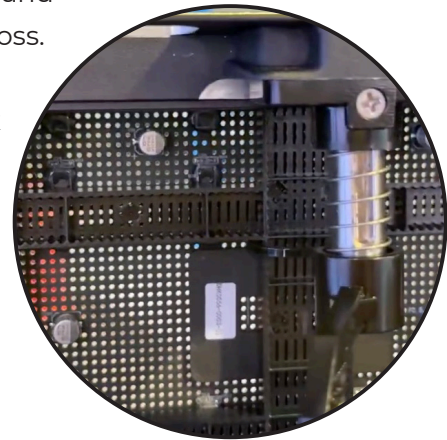
Up to 90% audio transmissibility*:

Up to 90% audio transmissibility means your sound comes through loud and clear with barely any loss. Speakers sit hidden behind the screen, yet the audio punches through almost untouched - think full bass, crisp highs, and no muffled feel.
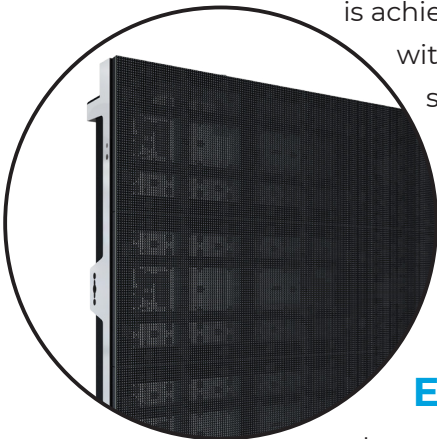
Avoid Echo

Built into the acoustic design the LED tiles are designed to eliminate echo from behind the LED panel.

Ultra Lightweight Panel

soundTHRU uses die-cast aluminium cabinets to ensure perfect flatness, which is achieved by its higher flatness tolerance than plastic. Aluminium can withstand higher operational temperatures, which makes them less susceptible to heat deformation. The added benefit is that the panels are ultra lightweight.
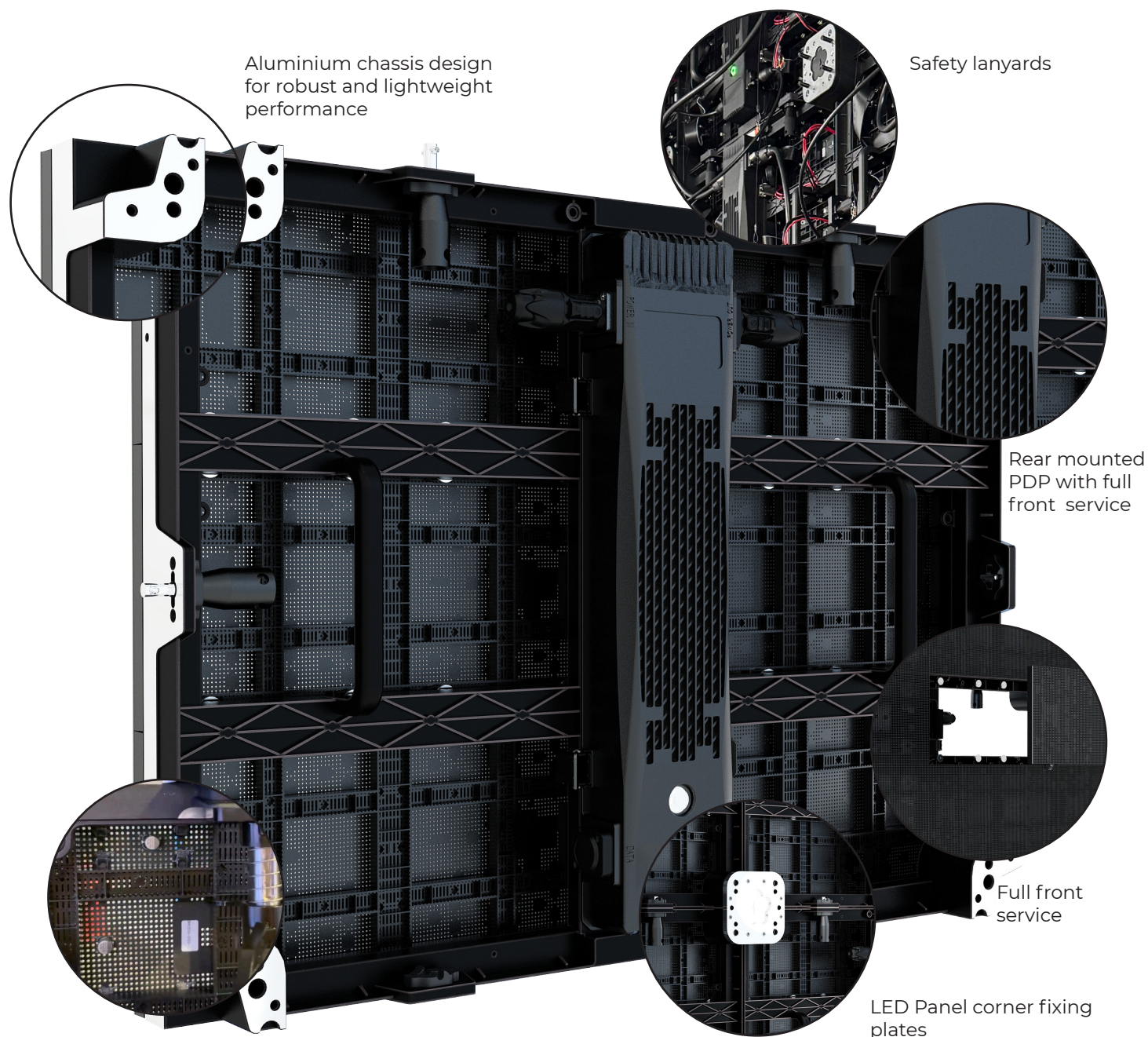
Front & Rear Access:

Servicing and maintenance couldn't be easier.

ECO: digiLED ZEUS compatible:

Large immersive spaces mean big LED canvases - and that usually means big power bills. When the doors close and the public's gone, digiLED ZEUS takes over. It handles your on/off scheduling automatically and drops standby power right down to zero. No more wasting electricity while the screen sits idle overnight or between events.

*Audio transmissibility effectiveness is variable depending on pixel pitch and architectural factors.

soundTHRU

Aluminium chassis design for robust and lightweight performance

Safety lanyards

Rear mounted PDP with full front service

Full front service

LED Panel corner fixing plates

With a fine matrix of sound through holes built into the LED tile the acoustic transfer is excellent

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SPECIFICATIONS

INDOOR

		soundTHRU 2000	soundTHRU 2500	soundTHRU 3070	soundTHRU 4000	soundTHRU 5000
Physical Pixel Pitch (HxV)	mm	2.0	2.5	3.077	4.0	5.0
Pixel Resolution (Width/Height)	pixels/panel	320/240	256/192	208/156	160/120	128/96
Standard Panel Dimensions	(W x H x D) mm	640 x 480 x 79.5				
Standard Panel Area	m2	0.3072				
Corner Option		Yes				
Standard Weight	kg/m2	28				
Ingress Protection	(Front/Rear)	Indoor IP30/IP30				
Maintenance Access		All Front or All Rear or All Front & Rear				
Refresh Rate	Hz	≥3840				
Uncalibrated Brightness*	nits	≥800	≥800	≥800	≥800	≥800
Calibrated Brightness*	nits	N/A				
Input Voltage	VAC/Hz	100-240/50-60				
Maximum Power Consumption **	W/m2	350	350	350	350	350
Maximum Power Consumption **	W/m2	180	180	180	180	180
Operating Temperature (min/max)	degC	-10 to +50				
Certification***		CE (IEC62386-1), EMC, LVD, FCC, RoHS, ETL				
HDR****		(see foot note)				

Specifications are for standard system configuration. Contact your digiLED expert for detailed specification.
Standard refresh rate >3,840Hz unless otherwise stated.
Enhanced Brightness are subject to LED & driver IC selection - to be confirmed at the point of order.
*The figures shown for brightness are MCAB (maximum consolidated average brightness) measured over a 3 year period. Based on Copper thread LEDs.
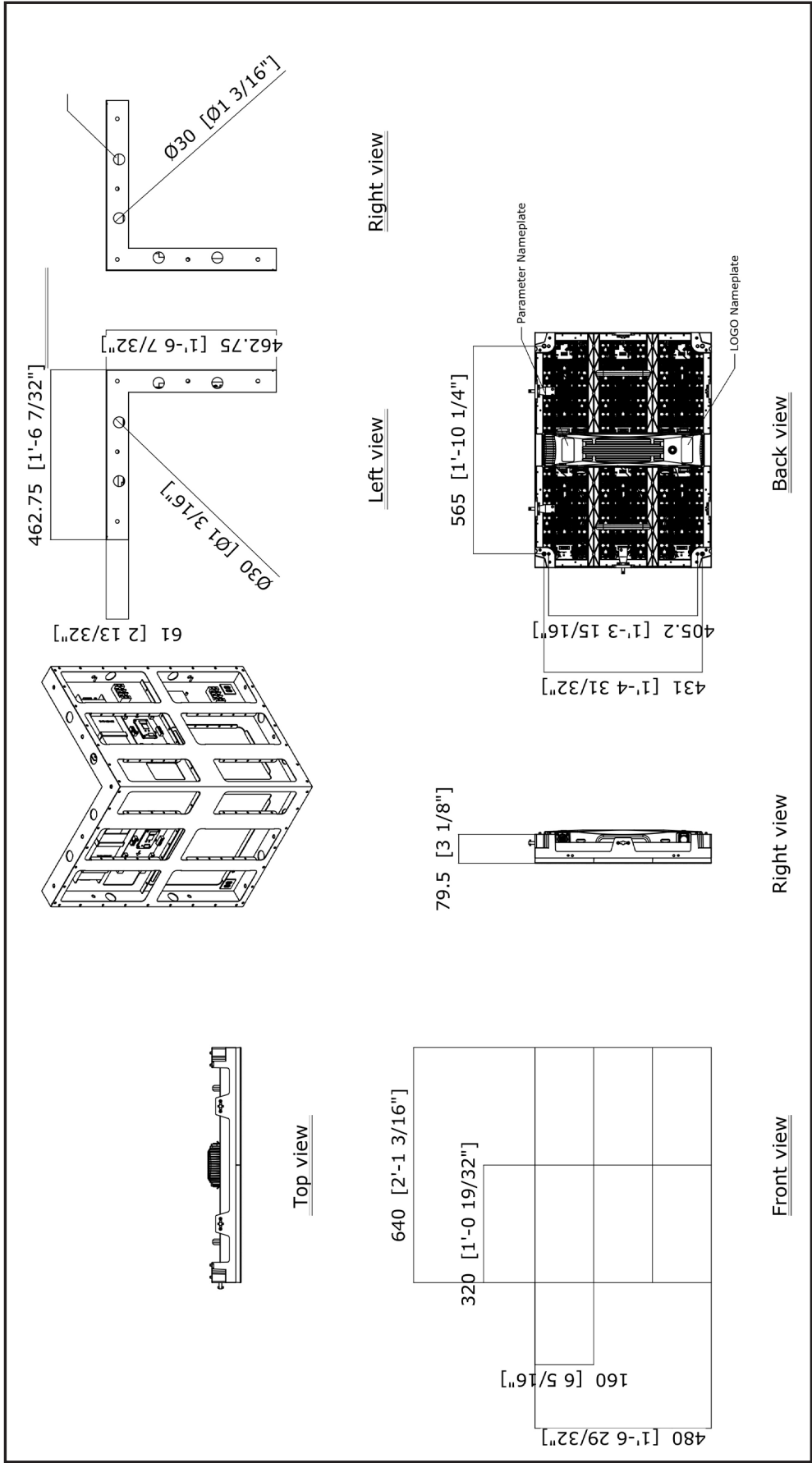**The figures shown for power consumption are standard guideline figures only and based on average test laboratory conditions.
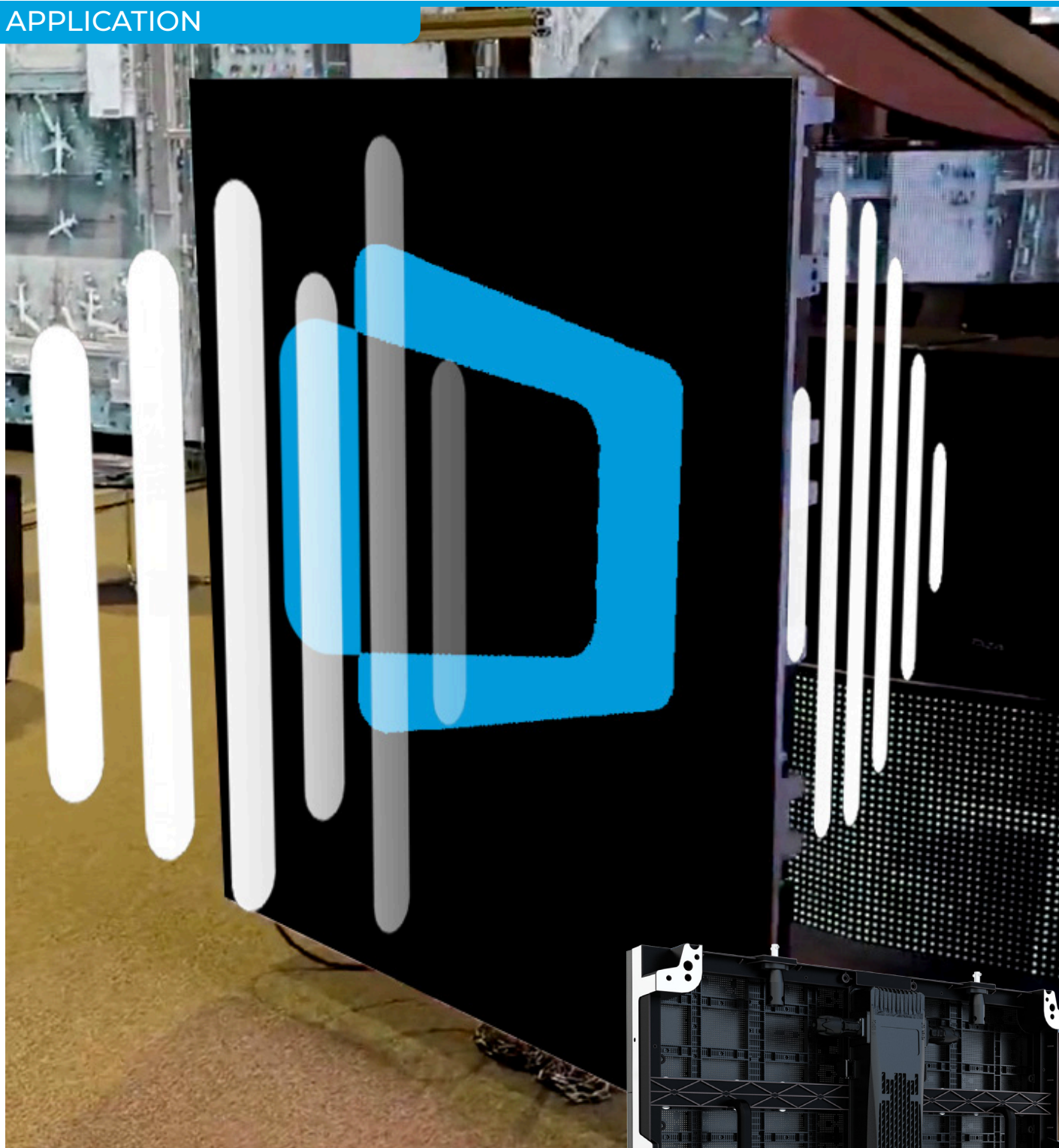*** CE comes with IEC (EN) 62368-1
****HDR: Subject to system configuration and processing. With enhanced Driver ICs capable of up to 1:24 scan rate.
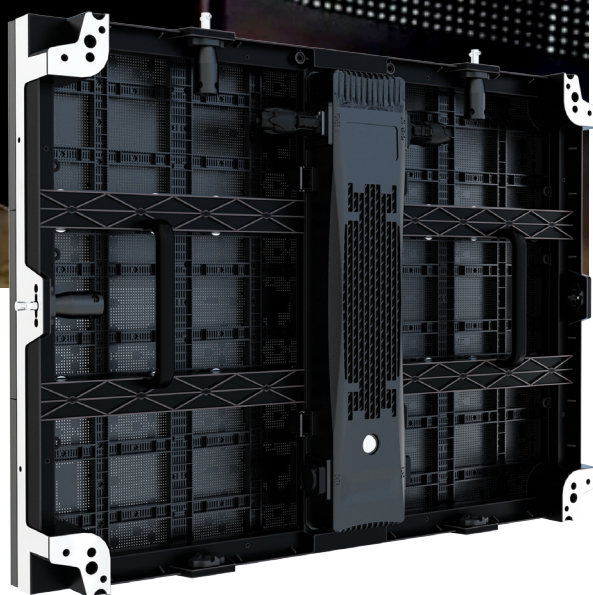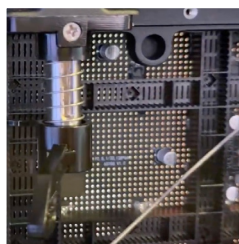
PANEL DRAWING

STANDARD PANEL SIZE
640 x 480 x 79.5mm
CORNER OPTION
AVAILABLE

Right view

Ø30 [Ø1 3/16"]

462.75 [1'-6 7/32"]

462.75 [1'-6 7/32"]

Ø30 [Ø1 3/16"]

61 [2 13/32"]

Left view

Parameter Nameplate

LOGO Nameplate

Back view

565 [1'-10 1/4"]

405.2 [1'-3 15/16"]

431 [1'-4 31/32"]

79.5 [3 1/8"]

Right view

Top view

640 [2'-1 3/16"]

320 [1'-0 19/32"]

Front view

160 [6 5/16"]

480 [1'-6 29/32"]

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soundTHRU lets you hide the speakers behind the LED screen while still transmitting powerful, high-quality audio through the LED screen surface without loss of quality.
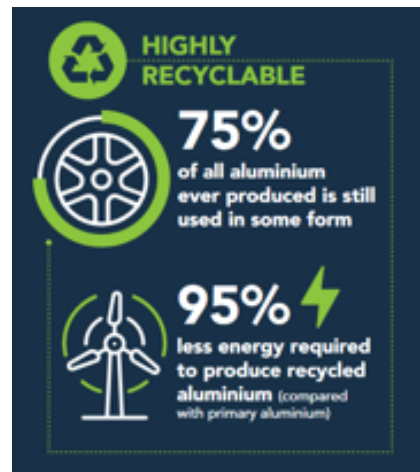
digiLED ZEUS®

LED Screens used in commercial installations rarely operate 24/7. Venues and auditoriums don't have a permanent audience. A dirty secret of our industry is that often, when a screen is not in use, it is simply displaying a black image or video. The power is still live, using 7% to 17% of the maximum energy consumption or, looked at another way, up to 50% of the average energy usage!

Designed in the UK, digiLED's patented digiLED ZEUS® stands for "Zero Energy Use System". A screen set to black with digiLED ZEUS® will use ZERO power. More details can be found on digiLED ZEUS® in the dedicated digiLED ZEUS® brochure.

Recyclable Material

Aluminium is used extensively in digiLED's LED tiles and the frames/chassis. As one of the most widely recycled materials on earth, this gives excellent options when considering how to dispose of an end-of-life digiLED screen.

LED tiles that are constructed out of aluminum retain a high materials value at the end of their life. These are much more likely to be shredded and metal-extracted before waste processing is considered complete.

HIGHLY RECYCLABLE

75% of all aluminium ever produced is still used in some form

95% less energy required to produce recycled aluminium (compared with primary aluminium)

Copper also makes up a large percentage of the product by weight - again, easily recyclable.

RoHS standards are closely monitored during production (and other international standards appropriate to the region). An example of this is the environment, chemical and processes audit of one of our production lines by Sony before they approved the use of digiLED.

SUSTAINABILITY AT digiLED

228-Step Production Plan

The digiLED 228-step Production Plan helps us manage processes so we can hit schedules and plan logistics efficiently, therefore avoiding the need to revert to air freight which uses 44 times more CO_2 than a ship. The 228-Step Production Plan also ensures that digiLED makes high quality products, meaning that it will give years of reliable, trouble-free service; the best decision for the environment is not to buy on price but to buy a product that will last for years.

Shipping

Sea freight is prioritised as the shipping method from China as it uses 44 times less CO_2 than air transport delivery.

Serviceable

digiLED always briefs clients that a well-maintained screen will have a life expectancy of 10 years plus. As a company, we stand by this by offering tech support and parts for all legacy products. Currently, the oldest clients screen supported by digiLED is 14 years old and requires windows XP to operate it - but it still operates.

Our Ethos

Our goal is to do business with suppliers and customers whose company we enjoy and whose principles and values we respect.

We endeavour to be politely firm in our beliefs and steadfastly uphold our standards by doing the job correctly to produce quality products, supplied with loving care, to customers who cherish our systems and the enthusiastic, friendly expertise we strive to provide.

We love our work and are proud of our experience and our expertise. We want to do business with people who see the benefits of what we do and appreciate our input.

digiLEDers are keen to offer advice and an insight into our specialist knowledge without demanding a commercial return, if we can't convince customers of our value, we don't deserve their patronage.

Our Products

Huge, bright, vibrant, bespoke, digiLED screens are designed by seasoned LED experts, then crafted and assembled in selected, specialist factories.

Assembly, production and testing is monitored by the industry's leading QC team, using a proven 228-step manufacturing QC process paying meticulous attention to fine detail.

The resulting digiLED screens exhibit superior images, provide reliable performance and extended life. Supported locally by experienced, qualified, field and bench engineers. **digiLED quality just lasts.**

digiLED
THE LED SCREEN EXPERTS

CONTACT US

LONDON
UK HEAD OFFICE
The Pixel Depot, Copse Farm, Moorhurst Lane, Beare Green, Surrey RH5 4LJ UK
tel: +44 20 7381 7840   e-mail: info@digiLED.com

🌐 Sales   🍱 Admin   🖥 Pixel Depot   🔧 Tech Hub   🖨 Service Lab

LAS VEGAS
The Pixel Depot, 365 Pilot Road, Suite A, Las Vegas, Nevada, 89119, USA
tel: +44 20 7381 7840   e-mail: info@digiLED.com

🌐 Sales   🍱 Admin   🖥 Pixel Depot   🔧 Tech Hub   🖨 Service Lab

DALLAS
digiLED Service Lab, 8291 Gateway Dr, Argyle, TX 76226, USA

🖨 Service Lab

SHENZHEN
SHENZHEN DIGI TECHNOLOGY CO. LTD,
The Pixel Depot, Room 1807, Haohai Junyue Bldg, 2092 Shenyan Road, Hai Shan Street, Yantian District, Shenzhen 518000, China

🔧 Tech Hub   📦 Logistics   🖨 Service Lab

SALES OFFICES IN MILAN, THE HAGUE, NANTES AND TOKYO

Talk to us and be social
+44 20 7381 7840   info@digiLED.com   www.digiLED.com
𝕏 digiLED_   in digiLEDscreens   f digiLEDscreens   📷 digiLED_