



Manufactured in the UK by Applelec to bespoke requirements, LED Light Sheet is a versatile backlighting unit which delivers bright, even illumination suitable for a variety of applications.

- Manufactured in the UK to bespoke requirements
- Large range of Kelvin colour temperatures, RGB Colour Changing and Dynamic (Tuneable) White LEDs
- Available in 1.4mm, 2.8mm, 5.6mm and bespoke etched grid
- IP67 rating available for exterior applications
- Highly energy efficient, delivering 110 lumens per watt
- Meets the LM-80 standard for high lumen maintenance
- Controllable / Dimmable by 0-10v, DALI, DMX
- All LED Light Sheet panels sent to Saudi Arabia are accompanied by a Certificate of Conformity (SASO CoC)

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PHYSICAL PROPERTIES			
Manufacturer	Applelec		
Product Name	LED Light Sheet		
Main Material	Clear acrylic (PMMA)		
Thickness	3mm, 6mm, 8mm, 10mm		
Luminous Efficacy (White LED)	110lm/W		
Power consumption. Per metre	14W		
Colour Temperature (CCT). Standard CRI 65	2700K, 3000K, 3700K, 4100K, 5300K, 5700K (3mm), 6500K		
Colour Temperature (CCT). High CRI 90+	2800K, 3100K, 4100K, 5200K		
IP Rating	IP54 as standard, IP67 available		
Max Size	3000mm x 1500mm		
Weight	Length (m) x width (m) x thickness (mm) x 1.2kg		
Lifetime	> 50,000		
Warranty on LED Light Sheet	3 years		
Warranty on Acrylic	5 years		
Operating Temperature	5°C (41°F) ~ + 35°C (+95°F)		
ELECTRICAL PROPERTIES			
Power Supply	AC / DC 12V / 24V Adaptor		
Working Voltage	DC 12V / DC 24V		
Input Voltage	AC 100 ~ 240V 50/60Hz		
MECHANICAL PROPERTIES	TEST METHOD	UNIT	DATA
Tensile Strength	D-638	Kg/cm²	760
Elongation	D-638	%	6
Flexural Strength	D-790	Kg/cm²	1.170
Flexural Modulus	D-790	Kg/cm²	32,000
Zod Impact Strength	D-256	Kg cm/cm	2.0
Rockwell Hardness	D-785	M scale	95