

# Spanlite LED Ceilings - Product Comparison

TYPES	'LIGHTFIELD' LED Backlit Acrylic Panels	'RAFT' LED Backlit Fabric Panels	'STRETCH' LED Backlit Stretch Ceiling
			
Product overview	An ultra-slim, framed LED Lighting panel, with diffused even lighting to an acrylic front face.	A suspended robust-framed LED lighting panel, with diffused even lighting to a stretched fabric front face.	A backlit fabric membrane which is heat stretched across a concealed perimeter frame.

## DIMENSIONS & WEIGHTS

Optimal panel size:	Up to 1.5m x 2.4m	Up to 5m x 6m	Up to 50sq.m
Product depth	25mm	125mm	90mm - 300mm for standard option, thinner options are available
Weight	14kg/sq.m	Typically 10kg/sq.m - varies with size.	Typically 4.5kg/sq.m

## MATERIALS

Frame	Anodised aluminium frame – powder coating available	Anodised aluminium frame - Powder coating available	No visible frame (fixing frame is anodised aluminium / PVC)
Frame width on front face	16.7mm	2mm	No visible frame
Lighting element	LED Light Sheet	LED Backlit Array Panel	LED Backlit Array panel - suitable for voids >90mm. Other options available
Front face	3mm opal acrylic 030 panel – Polar Frost	0.18-0.2 mm translucent white PVC Or 0.35mm - 0.44mm polyurethane coated polyester canvas	0.18-0.2 mm translucent white PVC Or 0.35mm - 0.44mm polyurethane coated polyester canvas
Front face options	Acrylic colour options; gloss / satin finish; printing	Fabric options: printed, reflective, glossy, matt and acoustic	Fabric options: printed, reflective, glossy, matt and acoustic

## EXTRAS

Panel coupling	Integrated option for securing panels together	Integrated option for securing panels together	24mm joining profile available
Panel upgrades	Optional upstands to hide wiring and driver	Double fabric layer available to prevent shadows from dust and insects	Double fabric layer available to prevent shadows from dust and insects
	Integral collared cut-outs for existing ceiling fixtures	Integral collared cut-outs for existing ceiling fixtures	Integral collared cut-outs for existing ceiling fixtures
Suspension system	Gripple® Steel suspension wires with Unistrut subframe for large panels. Can also be laid into standard ceiling grid.	Gripple® Steel suspension wires with Unistrut subframe for large panels. Can also be laid into standard ceiling grid.	Built into ceiling by installation team
Frame shapes	Straight-edged only	Straight and curved	Straight and curved

TYPES	'LIGHTFIELD' LED Backlit Acrylic Panels	'RAFT' LED Backlit Fabric Panels	'STRETCH' LED Backlit Stretch Ceiling
<b>PHOTOMETRY</b>			
Front face light transmission	67% – 030 opal acrylic	72% – PVC	72% – PVC
Colour temp available	2700, 3000, 4000, 5700, tunable white 2200 - 6500K, and RGBW	2700, 3000, 4000, 5700, tunable white 2200 - 6500K, and RGBW	2700, 3000, 4000, 5700, tunable white 2200 - 6500K, and RGBW
Lumens per W	Typically 55 lumens / Watt (delivered)	Typically 80 lumens / Watt (delivered)	Typically 80 lumens / Watt (delivered)
CRI	Typically 85 - greater than 90 CRI available	Typically 85 - greater than 90 CRI available	Typically 85 - greater than 90 CRI available
<b>SUPPLY &amp; INSTALLATION</b>			
What's supplied?	Prefabricated, ready-to-install product	Prefabricated, ready-to-install product on panels smaller than 1.8m x 4m	Specialist installation team provide perimeter track and fabric
		Panels larger than 1.8m x 4m will be installed by specialist team	
Installation	Installation by electrical contractor	Installation by electrical contractor / specialist installer	Installation by specialist installer
<b>MAINTENANCE</b>			
Lighting maintenance	Lighting element easily accessible for maintenance	Lighting element easily accessible for maintenance	Front face fabric to be entirely removed to access lighting element
Front face maintenance	Moist lint-free cloth – easy to clean	Moist lint-free cloth – easy to clean	Moist lint-free cloth – easy to clean
<b>POWER &amp; DRIVERS</b>			
Power draw	44W - 80W / sq.m - varies with size	70-100W/ sq.m - varies with size	50W- 100W/ sq.m - varies with size
Voltage	24v DC	24v DC	24v DC
Driver options	1-10 Dim, Dali, Triac, DMX	1-10 Dim, Dali, Triac, DMX	1-10 Dim, Dali, Triac, DMX
Controller options	Compatible with Lutron, Crestron, Control4 etc.	Compatible with Lutron, Crestron, Control4 etc.	Compatible with Lutron, Crestron, Control4 etc.
<b>SAFETY</b>			
IP rating	IP40	IP40	IP40
Fire rating	3mm Opal Acrylic:	PVC membrane:	PVC membrane:
	Great Britain: BS 476:Pt 7 Class 3	Great Britain – Class 0	Great Britain – Class 0
	USA: UL94 HB	European: EN13501-1 Rating: B S1 d0	European: EN13501-1 Rating: B S1 d0
	Perspex® cast acrylic sheet burns at a rate similar to that of hard woods but with low smoke evolution. Encapsulating the edges of all Perspex® sheets into metal glazing profiles greatly reduces the ease of ignition.	USA fire rating Class 1	USA fire rating Class 1
		Certified CAN-S102 & ASTM-E84	Certified CAN-S102 & ASTM-E84
	Aluminium extrusion: M0	Aluminium extrusion: M0	
	Alternative polycarbonate front: UK – Class 1		