

# Stretch Fabric

Printable stretch-fabric for ceilings and walls – backlit with LEDs.  
Extremely durable, eco-friendly with soundproofing properties.



spanlite  
MAKING LIGHT WORK

## Backlit stretch fabric

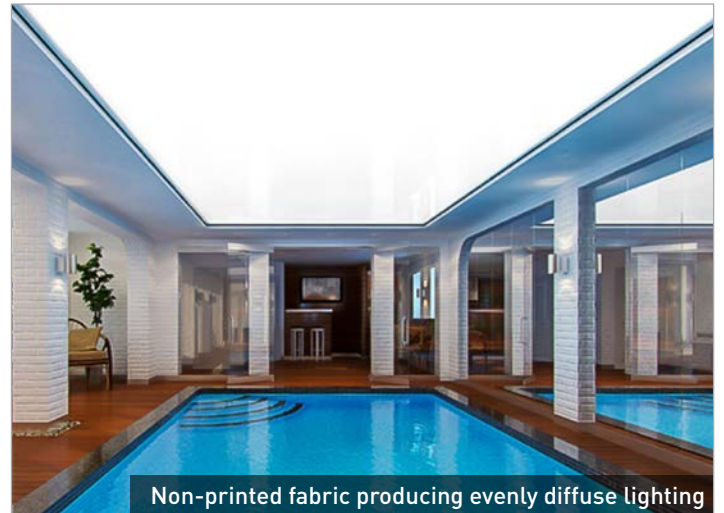
We can provide and install a stretch fabric material to cover wall and ceiling spaces. It is a high performance, flexible textile that can be fitted across ceilings, walls and other facades. The material is fully printable and provides a high degree of soundproofing. It is also practically impermeable to water.

Existing lighting features can easily be incorporated into the stretch membrane surface, as can sprinklers, detectors, cameras, signage and any other necessary devices.

**Ceiling solutions can either be built directly into the ceiling structure during construction or renovation; or fitted as a suspended 'raft' below the existing ceiling.**

Illumination is typically from a backlit array of LEDs situated behind the stretch fabric producing smooth, even distribution of light across the whole area. Lighting can be programmable, full colour and/or dynamic white with cool white light for daytime use moving to warmer lighting after dusk – with motion sensors and auto-dimming as required.

Source or provide your own image, or ask Spanlite to assist with image sourcing and large-format image creation. Spanlite's large-format image library is also available online.



To incorporate the backlit LED array behind the stretch-fabric membrane, the ideal space required is between 90mm and 300mm. If there is insufficient depth available, such as a cramped or non-existent ceiling void, there are low-profile options that feature edge-lighting technology that can be fitted flush with the ceiling surface.

**Finishes available printed or non-printed – in high gloss (reflective), satin, matt (non-reflective) and backlit.**



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# Examples



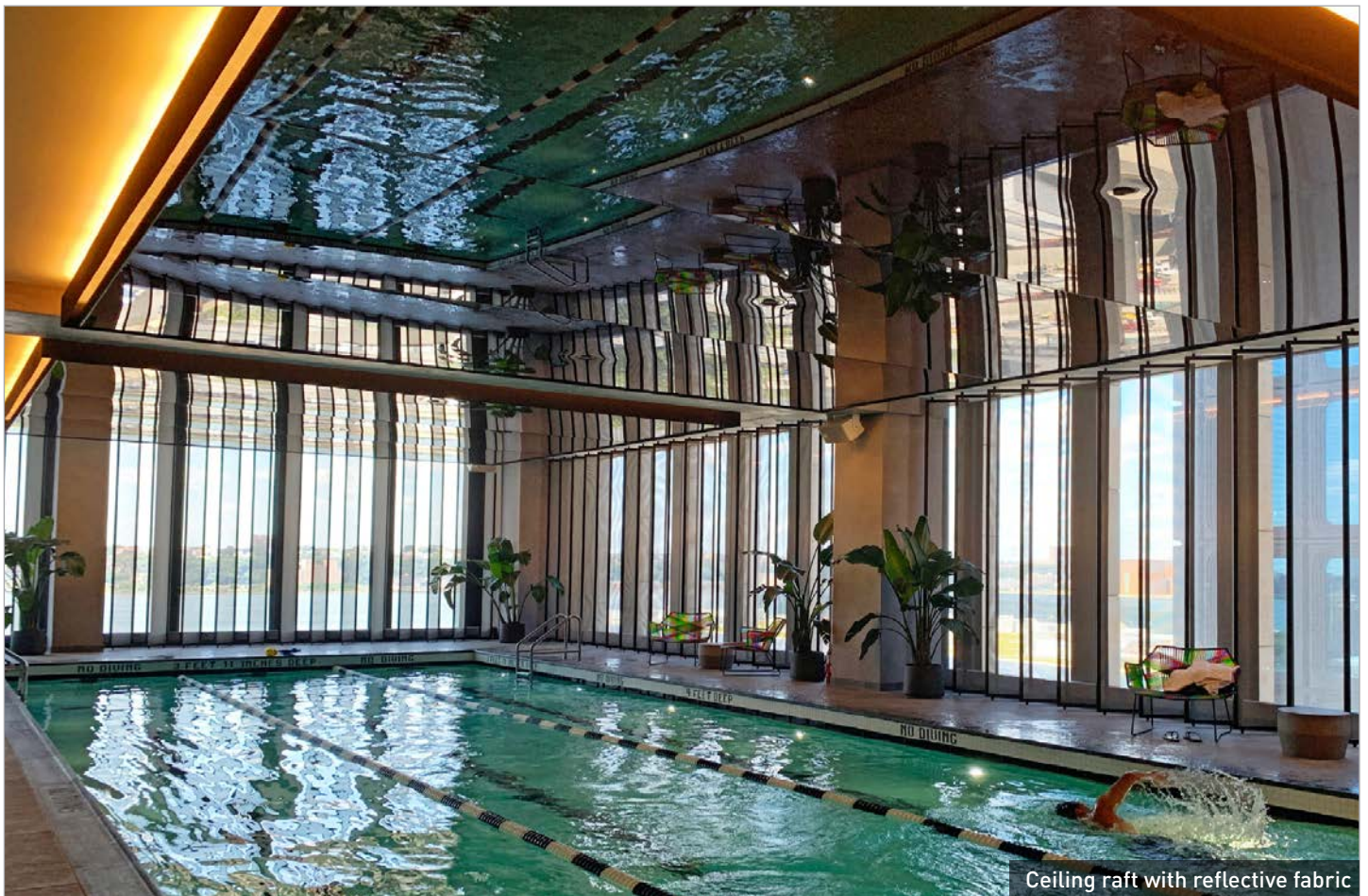
Backlit diffused



Evenly lit



Backlit printed

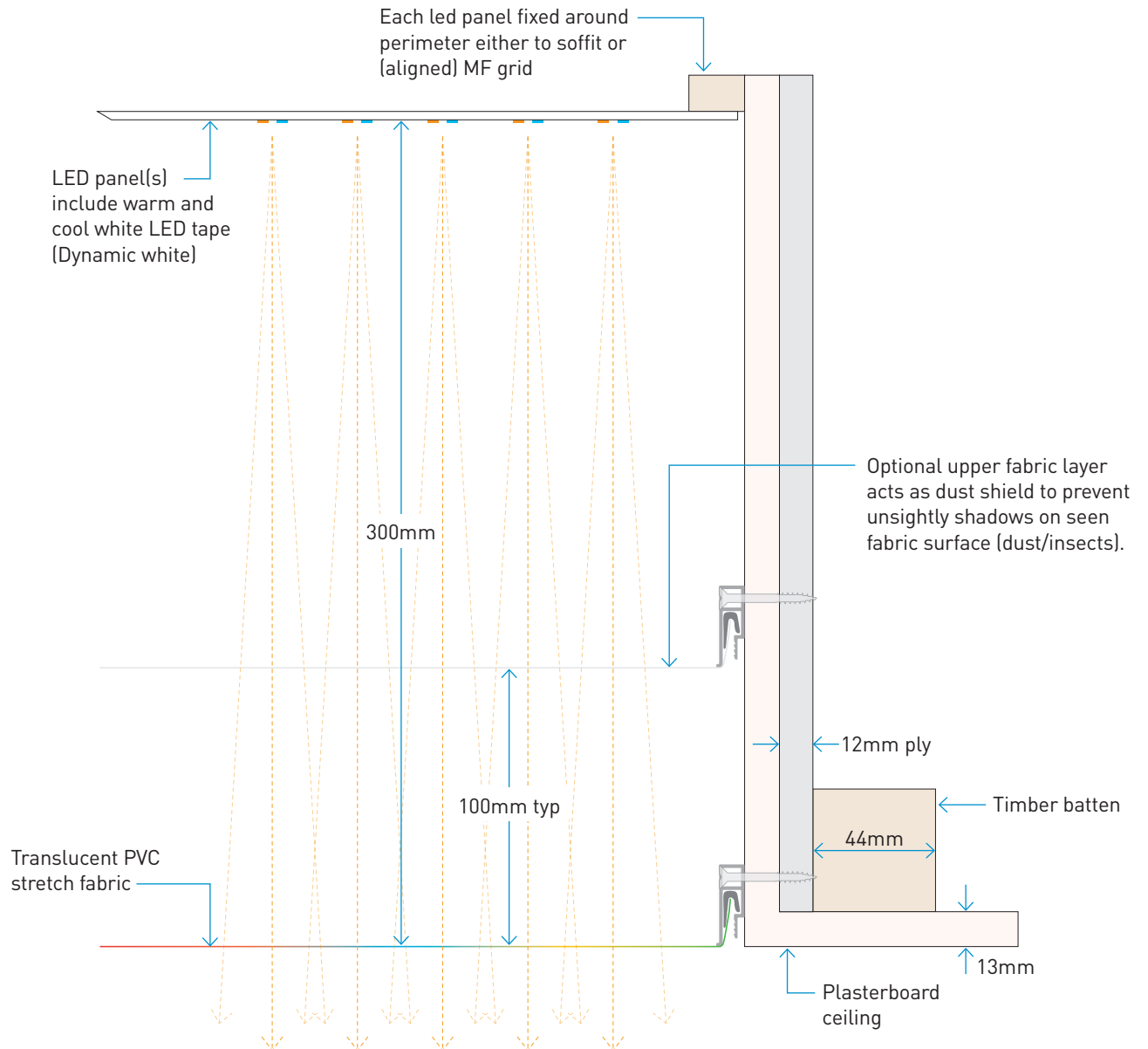


Ceiling raft with reflective fabric

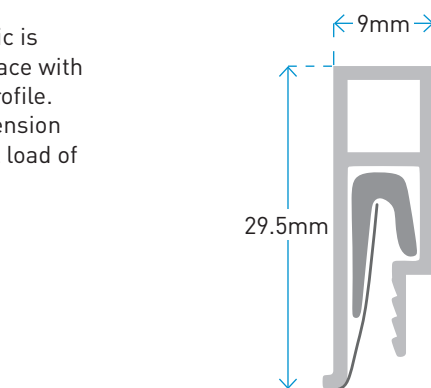


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**Built-in version**



The PVC stretch fabric is held taut and in place with this wall-mounted profile. The fabric is under tension and exerts a nominal load of 15kg/linear metre.

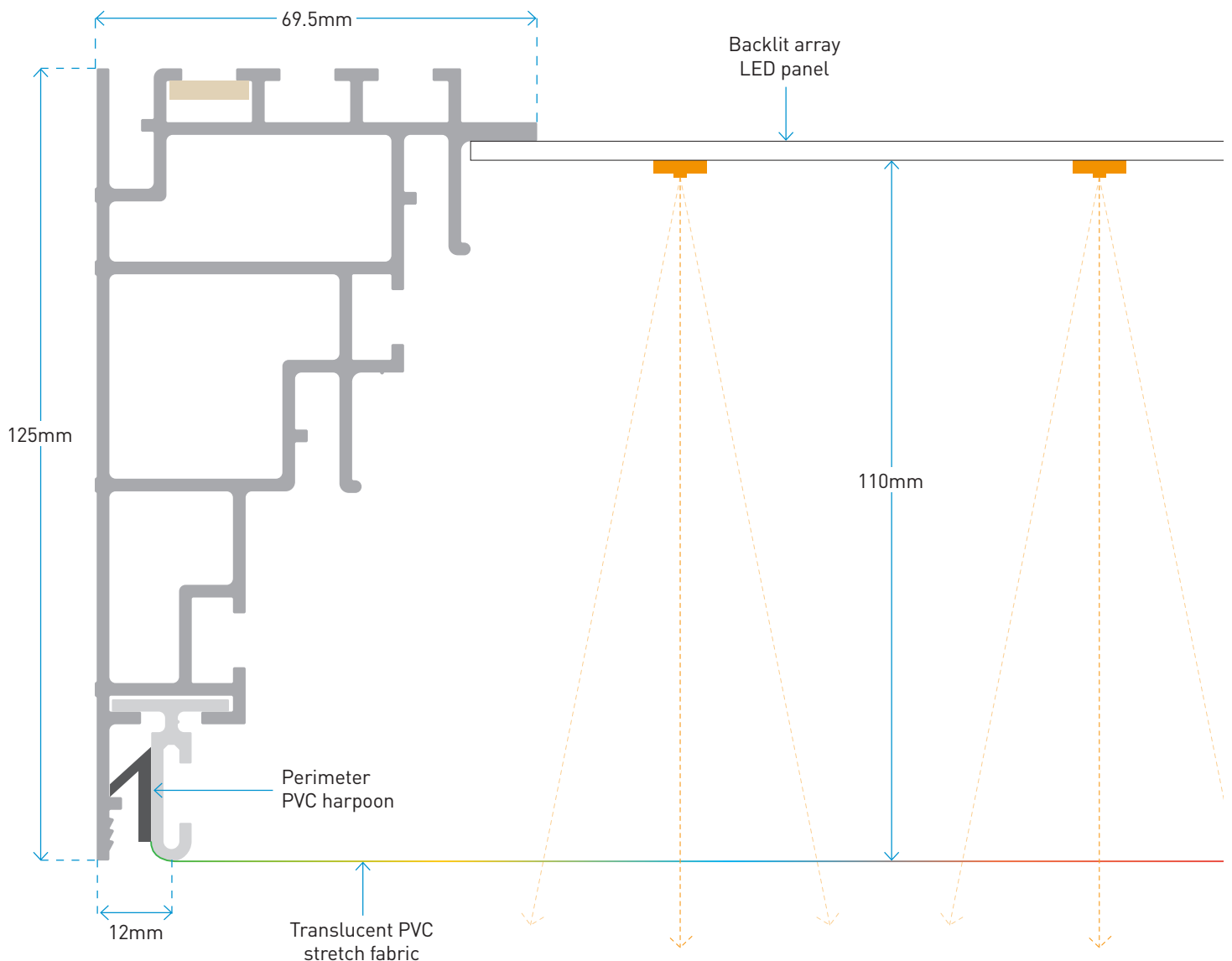


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## Raft version



## Raft profile specifications / options

Weight	3.15kg per linear metre
Length	Max 6050mm in single piece
Finish	natural anodised as standard, option to powder-coat any colour
Fixings	typically suspended by Gripple steel suspension cables or Unistrut sub-frame



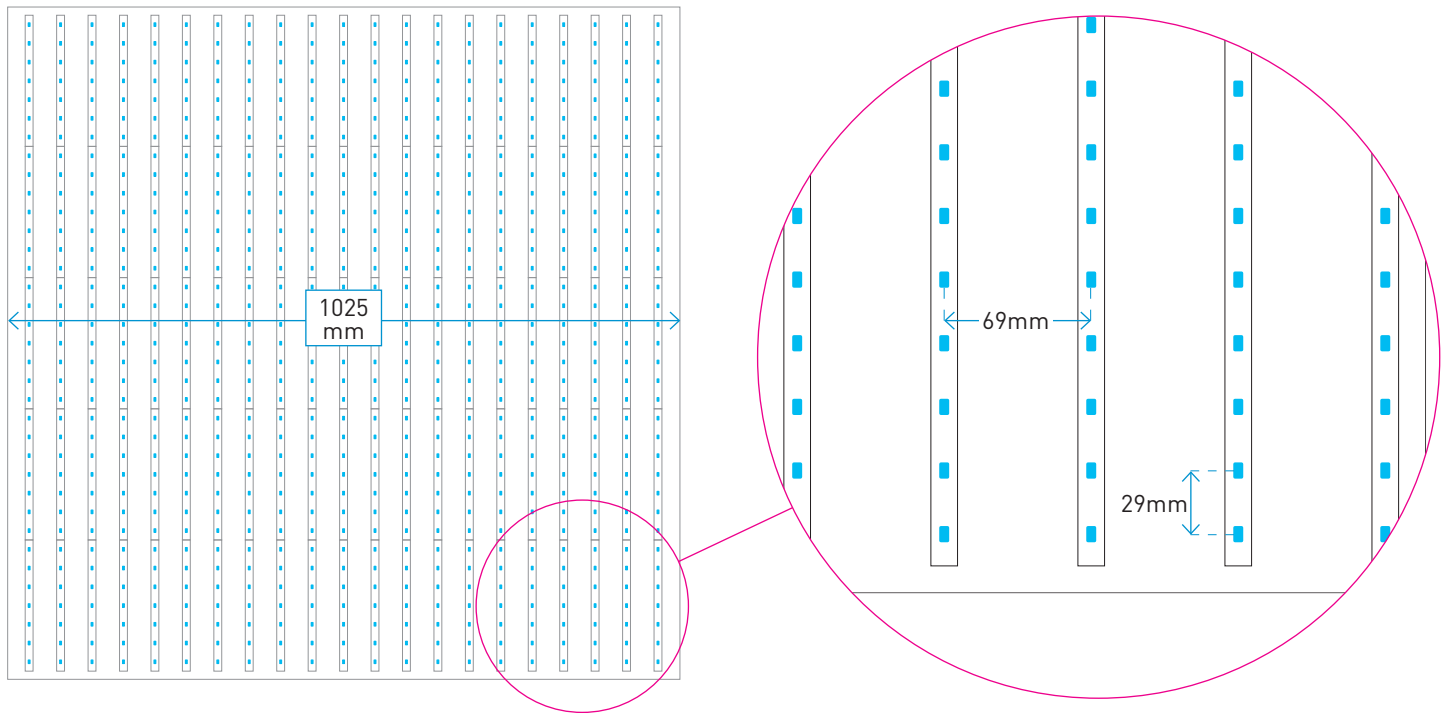
## Lighting

LED tape pitch varies depending on depth of lighting void and luminous flux required.

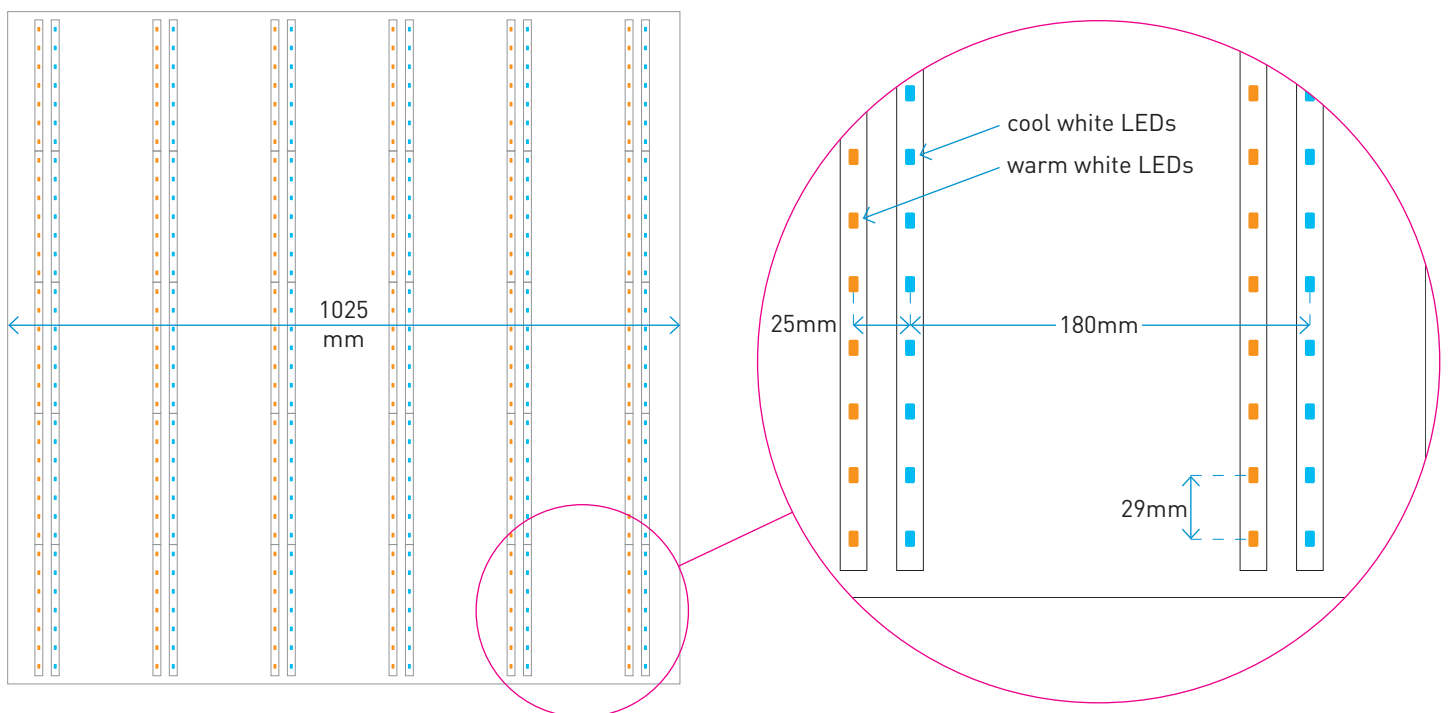
Typical LED 4.5W / linear metre, detail as below.

Custom LED 8W / linear metre

### Single colour temperature or RGBW colour-change lighting, suspended raft with a 110mm void



### Dynamic white lighting, built-in with a 300mm void



## Stretch fabric specifications / options

<b>PVC Stretch Fabric</b>	<b>PVC options</b>	Printable / Translucent / Reflective
	<b>Max width</b>	5m
	<b>Max length</b>	Unlimited* (subject to typical maximum 50sqm in one piece)
	<b>Weight</b>	PVC 180-200micron thick - weight 180g/m2
	<b>Light transmission</b>	70% (translucent)
<b>Safety</b>	Fire rating: UK - class 0 / USA - class 1 type A / Europe - EN13501-1 B S1 d0	
	Smoke - no smoke in contact with open flame	
	Impermeable to water unless perforated	
	Sprinklers, smoke/heat/CO detectors can easily be incorporated	
	PVC cadmium free	
<b>Environmental</b>	100% recyclable	
	Low material content - PVC film only 180g/m2	
	Provides thermal attenuation	
<b>Lighting</b>	LED CCT range 2200 - 6500K plus RGBW	
	Typical power 70W/m <sup>2</sup>	
	Lighting void depth 50-300mm (impacts price and luminosity)	
<b>Drivers &amp; Control</b>	Remotely located 10m max	
	Dimmable - 0-10, DALI, triac, DMX	
	24V DC typical	
<b>Warranty</b>	5 years	

