

# JCC **SKYTILE**™



High performance commercial LED flat panels

## Market leading **LED flat panels**

- *Outperforms fluorescent lighting*
- *Outstanding energy savings*
- *Zero maintenance, no need to relamp*
- *Quick & easy installation*

### **ADVANCED LED LIGHTING**

\*Extended warranty requires registration at [jcc.co.uk](http://jcc.co.uk)

**5**  
**YEAR**  
**EXTENDED**  
**WARRANTY\***

## Skytile™ has replaced fluorescent

Skytile™ uses an innovative light transmitter which works in a similar way to fibre optics. JCC have been developing Skytile™ technology for over 2 years and these latest tiles provide market leading performance and quality. LED technology provides assurance of long life with our electronic driver selected to operate in the widest range of conditions. The protective diffuser is high specification polycarbonate to ensure maximum safety in the case of a fire

### Zero maintenance, no need to relamp ✓

A major benefit over fluorescent is no tube changing and lifetime reliability. Skytile™ has been exhaustively specified and tested to ensure a resilient structure with good thermal properties and excellent light output over the panel's lifetime

### Outstanding running cost savings ✓

Up to 60% energy saving when compared to fluorescent

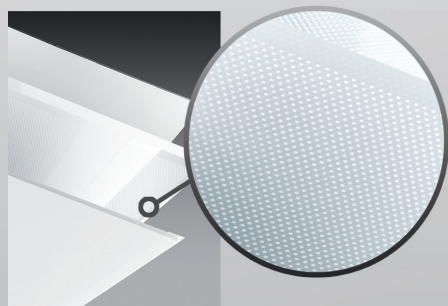
### Great looks and cleanliness ✓

The tile beats fluorescent on aesthetics with simple clean lines and the flat surface avoids dust build up

### Perfect working environment ✓

Skytile™ provides a perfect working environment with near daylight 4700K

## Innovative light pixel technology



Skytile™ use an innovative light transmitter which works in a similar way to fibre optics. LED light enters from the sides and travels within the central core, bouncing off the outer surfaces. The surface properties ensure that all light is reflected back into the light transmitter and the light spreads evenly across the fitting

The underside is etched with our light pixels which control the flow of light downward into the custom optical diffuser

## ADVANCED LED LIGHTING

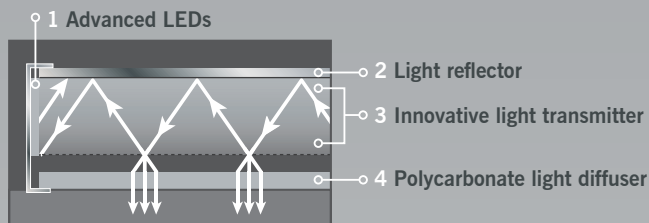


**1**  
Advanced  
LEDs

**2** Light reflector

**3** Innovative light transmitter

**4** Polycarbonate light diffuser



**5**

*Exceptionally thin & light weight structure*

## **1** Advanced LEDs

Light is projected from the high specification LEDs directly into the light transmitter. Skytile™ LED technology provides maximum light with minimum energy consumption

## **2** Light reflector

The high quality aluminium 'light reflector' ensures that all light is reflected back into the light transmitter

## **3** Innovative light transmitter

The surface properties of the 'light transmitter' act in a similar manner to fibre optics and allow light to move evenly throughout the fitting. The base of the panel is covered in 'light pixels' which transmits all the light into the custom optical polycarbonate diffuser

## **4** Polycarbonate light diffuser

Unlike acrylic, the polycarbonate diffuser will not drip hot plastic in the event of a fire (TPA Rating), providing extra safety assurance in the workplace. The custom optical polycarbonate diffuser ensures that the spread of light emitted from Skytile™ provides an even light distribution to the room

## **5** Exceptionally thin & light weight structure

The ultra-slim aluminium construction houses the LEDs and aligns them to the light transmitter. The JCC Skytile™ is easy and lightweight to handle with maximum strength and durability



# SKYTILE™ 2900



## The direct fluorescent replacement

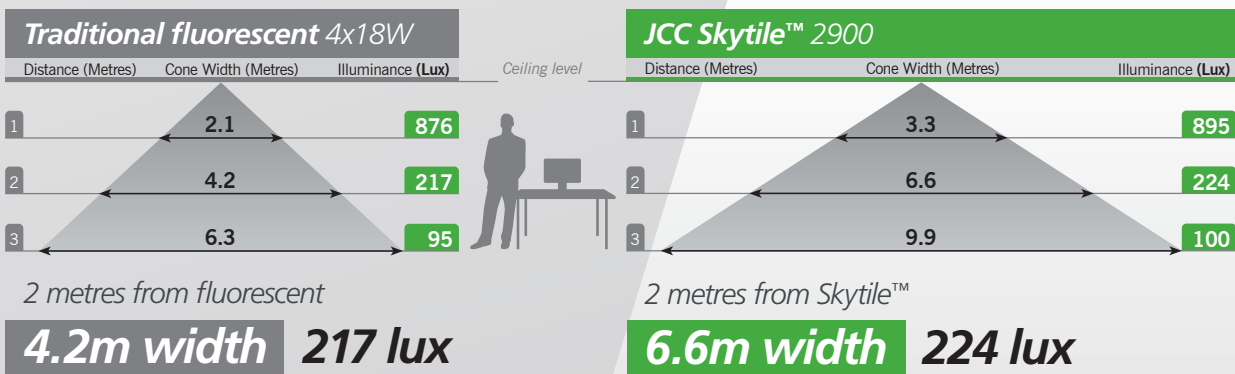
- High performance LED 34W recessed flat panel
- 85 lumens per circuit Watt (Cool white)
- 5 year extended warranty\*
- Even light distribution on walls and ceilings
- Assists with LG3 & LG7 workplace illumination guidelines
- Emergency & dimmable versions
- Easy to clean wipeable surface
- Cool white and warm white options
- IP44 protection against dust & moisture
- Suspension kit available



▲ JCC71276

## Superior light distribution ✓

Skytile's™ greater light distribution means that fewer fittings are required to provide the equivalent light level than traditional 4x18W fluorescent



Lumens	Wattage	Lumens pc/W	Colour Temperature	IP Rating
>2900	34W	>85	2700K - 4700K	IP44

## ADVANCED LED LIGHTING

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# The quick & easy 600x600mm replacement

*Ideal for ceiling grids, offices, meeting rooms and corridors*

The quick and easy retrofit design allows Skytile™ to directly replace the less efficient traditional fluorescent fittings. They can be used in a wide variety of applications including offices, hospitals, sports stadia, universities, schools, airports and shopping centres. Skytile™ creates near perfect daylight working conditions with 4700K; this gives an enhanced lighting effect within the workplace, making Skytile™ the superior solution for all commercial applications

## Outstanding cost saving ✓

	<b>Traditional 4x18W 600x600 (72W)</b>	<b>Skytile™ 2900 (34W)</b>
No. of fittings	50	50
Total energy usage per fixture	82	34
Energy cost per hour	£0.49	£0.20
<b>Annual maintenance cost</b>	<b>£788.32</b>	<b>N/A</b>
<b>Annual energy usage</b>	<b>£2,154.96</b>	<b>£893.52</b>
<b>Total annual operating cost</b>	<b>£2,943.28</b>	<b>£893.52</b>
<b>Total annual saving £2,049.76 (£40.99 per fitting)</b>		

Assumed commercial usage of 12 hours per day, 365 days per year at a cost of 12p per kW/h

*For use in standard height ceilings*



FULL PHOTOMETRIC.LDT  
FILES AVAILABLE ONLINE

# SKYTILE™ 3800



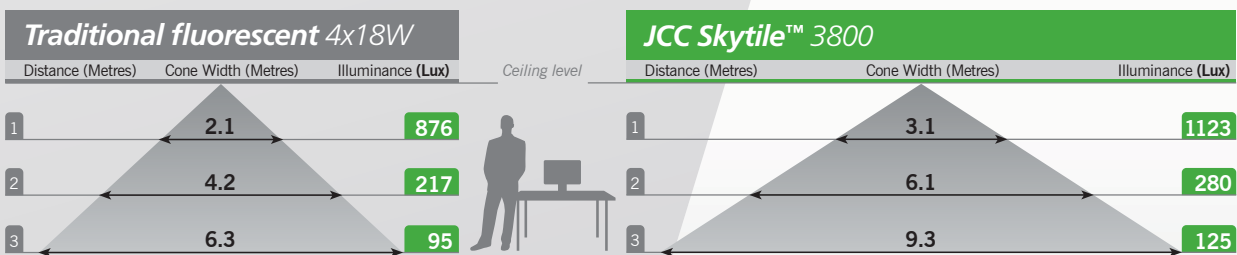
## For higher ceilings and extra light

- High performance LED 44W recessed flat panel
- 86 lumens per circuit Watt (Cool white)
- 5 year extended warranty\*
- Even light distribution on walls and ceilings
- Assists with LG3 & LG7 workplace illumination guidelines
- Emergency & dimmable versions
- Easy to clean wipeable surface
- Cool white and warm white options
- IP44 protection against dust & moisture
- Suspension kit available



▲ JC71277

## Superior light distribution ✓



2 metres from fluorescent

**4.2m width 217 lux**

2 metres from Skytile™

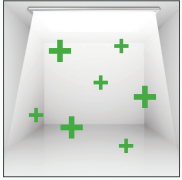
**6.1m width 280 lux**

Lumens	Wattage	Lumens pc/W	Colour Temperature	IP Rating
>3800	44W	86	2700K - 4700K	IP44

## ADVANCED LED LIGHTING

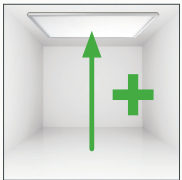
\*Extended warranty requires registration at [jcc.co.uk](http://jcc.co.uk)





## Greater light output ✓

Where detail is key the output of Skytile™ 3800 creates higher levels of light and clarity so nothing goes unseen. Ideal for manufacturing or design situations, Skytile™ 3800's powerful, clear light provides a high level of illumination necessary in precise working conditions



## Higher ceilings ✓

Skytile™ 3800 is ideal for high ceilings. It provides consistent and even light distribution right to the floor where traditional 4x18W fluorescent fittings can struggle



## Restricted ceilings ✓

Skytile™ 3800 is ideal for maintaining high light levels in situations where fewer panels can be installed. Whether obscured by an air conditioning unit or complicated by unusual dimensions, the powerful output of Skytile™ 3800 means that high levels of light can be achieved with a smaller number of panels



## No Ultraviolet, keeping products at their best

Skytile™ 3800 lumens is designed for areas requiring greater light output such as high ceilings in retail and display environments. The 3800 lumens Skytile™ considerably outperforms a traditional 4x18W fluorescent fitting

Unlike traditional fluorescent fittings Skytile™ does not produce Ultra Violet and therefore eliminates stock discolouration

For use in higher ceilings

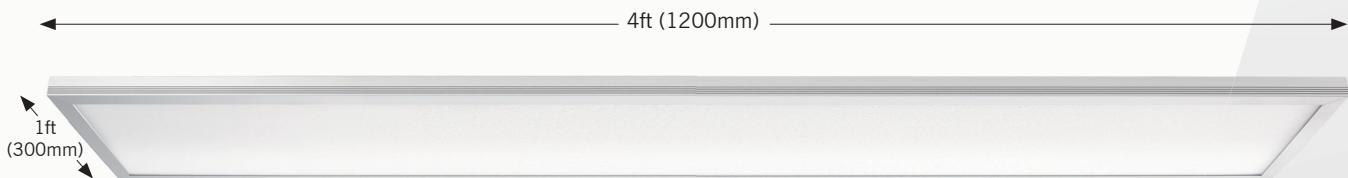


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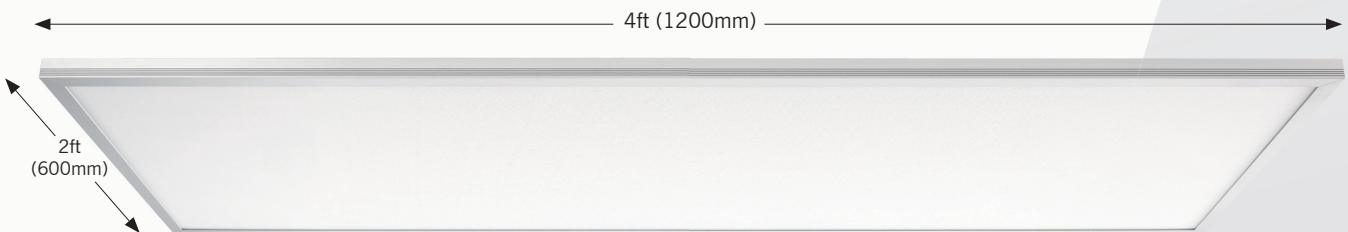
jcc.co.uk

## Outperforms fluorescent lighting

- High performance LED 45W/55W recessed flat panel
- 66 & 78 lumens per circuit Watt
- 5 year extended warranty\*
- Even light distribution on walls and ceilings
- Assists with LG3 & LG7 workplace illumination guidelines
- Emergency & dimmable versions
- Easy to clean wipeable surface
- IP44 protection against dust & moisture
- Suspension kit available



▲ **JC71298**



▲ **JC71288**



▲ **JC71310** Suspension kit

	Lumens	Wattage	Lumens pc/W	Colour Temperature	IP Rating
1200 x 300	<b>3000</b>	<b>45W</b>	<b>66</b>	<b>4700K</b>	<b>IP44</b>
1200 x 600	<b>4300</b>	<b>55W</b>	<b>78</b>	<b>4700K</b>	<b>IP44</b>



# Outstanding **energy savings**

Skytile™ is one of the most effective ways to reduce your businesses **CO<sub>2</sub> consumption**

- Skytile's™ advanced LED technology consumes significantly less energy than fluorescent fittings, generating outstanding running cost savings from the second they are installed
- Skytile's™ 10 year average life achieves cost savings of up to 60% compared to 2-3 years for fluorescent fittings

**Lighting typically accounts for 30% of electricity consumed in a commercial building. Use JCC Skytile™ and this consumption could fall by nearly two thirds**



## Effective **CO<sub>2</sub> reduction**

- Skytile™ helps to reduce energy costs and can play a major role in improving your sustainability profile
- Advanced LED lighting has a significantly smaller carbon footprint than traditional fluorescent fittings
- When installed throughout a workplace, Skytile™ can dramatically reduce CO<sub>2</sub> emissions



## Did you know?

Replacing standard fluorescent lights in a typical 10,000m<sup>2</sup> office with LED lighting can save as much as 135 tonnes of CO<sub>2</sub> per year and reduce costs by almost **£95,000** per annum when compared against a 4x18W Switch Start Fitting

**Highly efficient lighting:** the JCC Skytile™ 2900 & 3800 lumens produce 85 and 86 lumens per circuit Watt respectively, outperforming comparable 4x18W fluorescent fittings

# Zero maintenance



*Skytile™ is maintenance free for the product's life and backed by our trusted 5 year extended warranty\**

- Our LED flat panels solve the problem of unsightly and inefficient lighting failures, costly maintenance and workplace disruption associated with traditional fluorescent technologies
- Retrofit is quick and easy and once installed, customers benefit from knowing that there is no need to budget for lamp replacement and maintenance costs
- Unlike traditional fluorescent fittings Skytile's™ advanced LED technology ensures that the product will not flicker or fail

## *None of the problems created by fluorescent lamps*

Traditional fluorescent lamps collect dust and debris overtime which reduces their performance and efficiency. Periodic cleaning is costly, requiring each lamp to be removed from the fitting, cleaned and then re-inserted. As many traditional fluorescent luminaries have 4 lamps per fitting, the time saving with Skytile™ can have a significant impact on costs. Skytile™ requires no lamp removal and the polycarbonate diffuser provides an easy to clean, wipeable surface

## *No need for lamp replacements*



Thanks to the advanced LED technology of the JCC Skytile™, customers can forget about lamp replacements and the costs that this maintenance incurs

This not only eliminates the direct cost of lamp replacement, but also the burden on businesses to dispose of lamps in the correct way

***Fluorescent lamps are now classified as hazardous waste and must be disposed of accordingly***

*Read more about the WEEE directive on our website at: [www.jcc.co.uk](http://www.jcc.co.uk)*

***ADVANCED LED LIGHTING***

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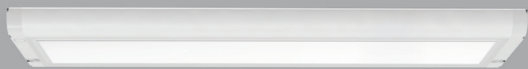
# SKYTILE™ SURFACE

## The surface mounted direct fluorescent replacement

- Outstanding energy saving against T8 fluorescent
- Zero maintenance, no need to relamp
- Highly efficient with up to 82 lumens per circuit Watt
- Secure anti-tamper design

### SKYTILE™ SURFACE 4000

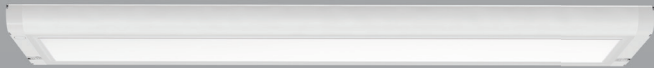
The direct **2x36W** T8 replacement



4ft (1200mm)

### SKYTILE™ SURFACE 5000

The direct **2x58W** T8 replacement



5ft (1500mm)

### SKYTILE™ SURFACE 6200

The direct **2x70W** T8 replacement



5ft (1500mm)



Designed for quick and easy installation ✓



1 The LED panel is placed into the base and secured with sliding clip



2 The LED panel is then moved across the base on the internal runners



3 The LED panel is then pushed back up into the base



4 The LED panel is secured from both sides with sliding clips



FULL PHOTOMETRIC.LDT  
FILES AVAILABLE ONLINE

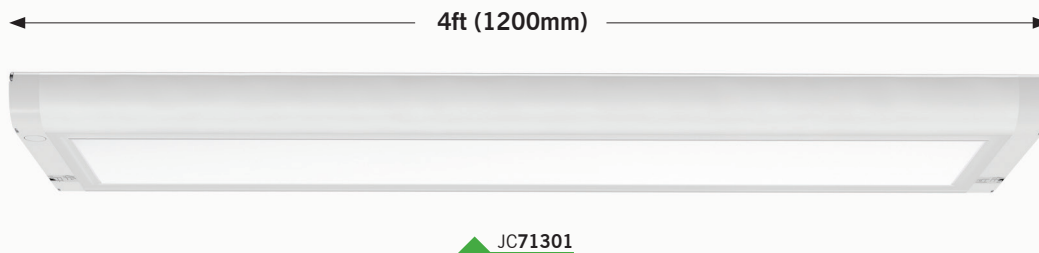


# SKYTILE™ SURFACE 4000



## The direct 2x36W T8 replacement

- 40% energy saving against fluorescent
- Outperforms 2x36W T8 light output
- 81 lumens per circuit Watt
- 5 year extended warranty\*
- Even light distribution on walls and ceilings
- Assists with LG3 & LG7 workplace illumination guidelines
- Emergency versions available
- On/off microwave sensor available
- Easy to clean wipeable surface



	Traditional 2x36W	Skytile™ Surface 4000 (49W)
No. of fittings	50	50
Overall energy usage	4100	2450
Energy cost per hour	£0.49	£0.29
<b>Annual maintenance cost</b>	<b>£416.06</b>	<b>N/A</b>
<b>Annual energy usage</b>	<b>£2,154.96</b>	<b>£1,287.72</b>
<b>Total annual operating cost</b>	<b>£2,571.02</b>	<b>£1,287.72</b>
<b>Total annual saving £1,283.30 (£25.67 per fitting)</b>		

Lumens	Wattage	Lumens pc/W	Colour Temperature	IP Rating
4000	49W	81	4700K	IP20

**ADVANCED LED LIGHTING**

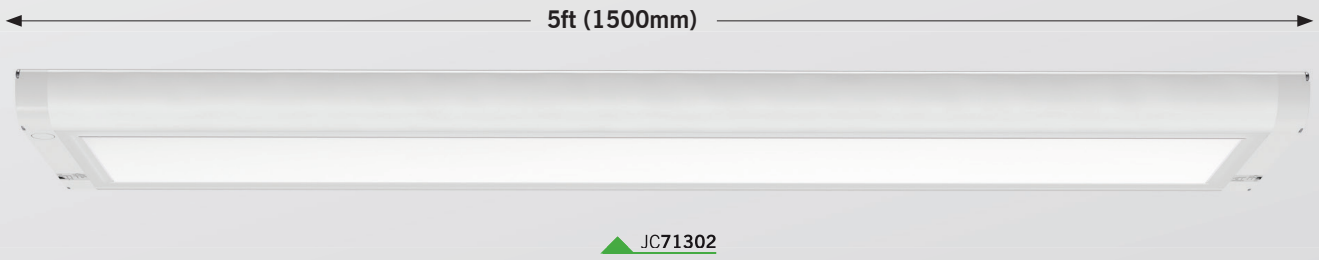
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# SKYTILE™ SURFACE 5000



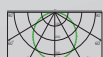
## The direct 2x58W T8 replacement

- Over 50% energy saving against fluorescent
- Outperforms 2x58W T8 light output
- 82 lumens per circuit Watt
- 5 year extended warranty\*
- Even light distribution on walls and ceilings
- Assists with LG3 & LG7 workplace illumination guidelines
- Emergency versions available
- On/off microwave sensor available
- Easy to clean wipeable surface



	Traditional 2x58W	Skytile™ Surface 5000 (61W)
No. of fittings	50	50
Overall energy usage	6300	3000
Energy cost per hour	£0.76	£0.36
<b>Annual maintenance cost</b>	<b>£416.06</b>	<b>N/A</b>
<b>Annual energy usage</b>	<b>£3,311.28</b>	<b>£1,576.80</b>
<b>Total annual operating cost</b>	<b>£3,727.34</b>	<b>£1,576.80</b>
<b>Total annual saving £2,150.54 (£43.01 per fitting)</b>		

Lumens	Wattage	Lumens pc/W	Colour Temperature	IP Rating
5000	61W	82	4700K	IP20



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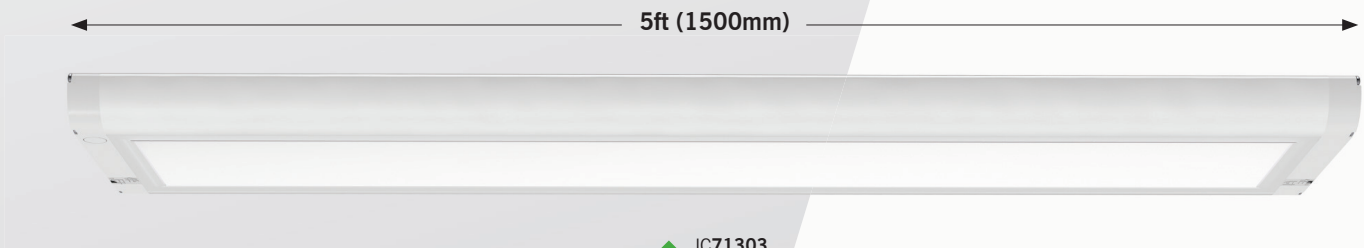
\*Extended warranty requires registration at [jcc.co.uk](http://jcc.co.uk)

# SKYTILE™ SURFACE 6200



## The direct 2x70W T8 replacement

- 45% energy saving against fluorescent
- Outperforms 2x70W T8 light output
- 77 lumens per circuit Watt
- 5 year extended warranty\*
- Even light distribution on walls and ceilings
- Assists with LG3 & LG7 workplace illumination guidelines
- Emergency versions available
- On/off microwave sensor available
- Easy to clean wipeable surface



▲ JC71303

	Traditional 2x70W	Skytile™ Surface 6200 (80W)
No. of fittings	50	50
Overall energy usage	7500	4000
Energy cost per hour	£0.90	£0.48
<b>Annual maintenance cost</b>	<b>£416.06</b>	<b>N/A</b>
<b>Annual energy usage</b>	<b>£3,942.00</b>	<b>£2,102.40</b>
<b>Total annual operating cost</b>	<b>£4,358.06</b>	<b>£2,102.40</b>
<b>Total annual saving £2,255.66 (£45.11 per fitting)</b>		

Lumens	Wattage	Lumens pc/W	Colour Temperature	IP Rating
6200	80W	77	4700K	IP20

**ADVANCED LED LIGHTING**



FULL PHOTOMETRIC.LDT  
FILES AVAILABLE ONLINE



# WHO TO CONTACT

The team has specific knowledge of **LED lighting** and can offer **qualified advice** on how this exciting new development can be easily integrated into a traditional lighting design

## PROJECT MANAGERS

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### South

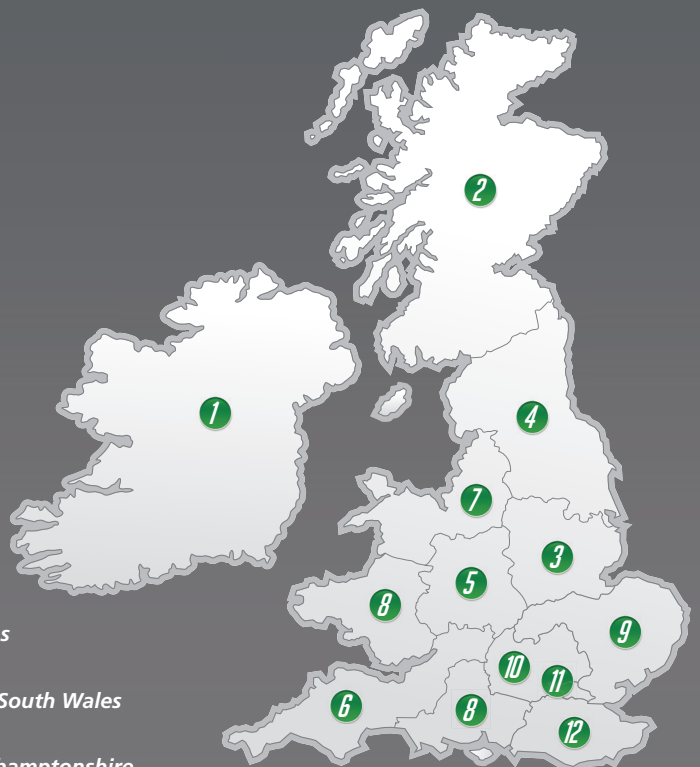
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- 3 Lincolnshire, South Yorkshire, Hull, Nottinghamshire, Derbyshire, Leicestershire**  
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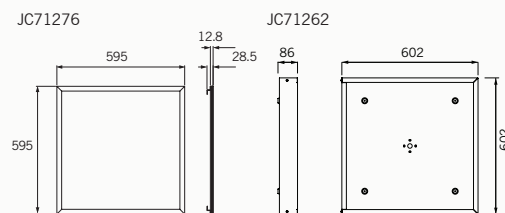
## 2900

### The direct fluorescent replacement

- Outperforms traditional 4x18W fluorescent
- Even light distribution on walls and ceilings

Code	Description
JC71276	Skytile™ cool white
JC71278	Skytile™ emergency cool white
JC71280	Skytile™ dimmable cool white
JC71282	Skytile™ dimmable emergency cool white
JC71286	Skytile™ warm white
JC71287	Skytile™ emergency warm white
JC71296	Skytile™ dimmable warm white
JC71297	Skytile™ dimmable emergency warm white

Watt	Lumens
34W	2900
34W	2900
34W	2900
34W	2900
34W	2200
34W	2200
34W	2200
34W	2200



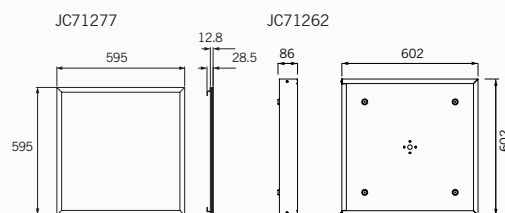
## 3800

### For higher ceilings & extra light

- Ideal for retail & display environments
- Even light distribution on walls and ceilings

Code	Description
JC71277	Skytile™ 3800 cool white
JC71279	Skytile™ 3800 emergency cool white
JC71281	Skytile™ 3800 dimmable cool white
JC71283	Skytile™ 3800 dimmable emergency cool white
JC71292	Skytile™ 3800 warm white
JC71293	Skytile™ 3800 emergency warm white
JC71290	Skytile™ 3800 dimmable warm white
JC71291	Skytile™ 3800 dimmable emergency warm white

Watt	Lumens
44W	3800
44W	3800
44W	3800
44W	3800
44W	3050
44W	3050
44W	3050
44W	3050



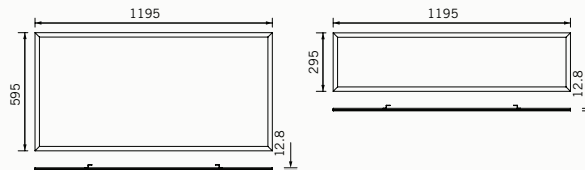
## LINEAR

### Outperforms fluorescent lighting

- Outstanding energy saving
- Effective CO<sub>2</sub> reduction

Code	Description
JC71288	Skytile™ Linear 1200x600
JC71289	Skytile™ Linear 1200x600 emergency
JC71295	Skytile™ Linear 1200x600 surface mount tray
JC71298	Skytile™ Linear 1200x300
JC71300	Skytile™ Linear 1200x300 emergency
JC71299	Skytile™ Linear 1200x300 surface mount tray

Watt	Lumens
55W	4300
55W	4300
45W	3000
45W	3000
45W	3000



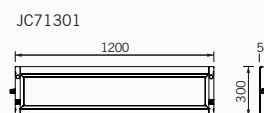
## SURFACE 4000

### The direct 2x36W T8 replacement

- 40% energy saving against fluorescent
- Outperforms 2x36W T8 light output

Code	Description
JC71301	Skytile™ Surface 4000 LED
JC71304	Skytile™ Surface 4000 LED emergency
JC71307	Skytile™ Surface 4000 LED c/w microwave sensor

Watt	Lumens
49W	4000
49W	4000
49W	4000



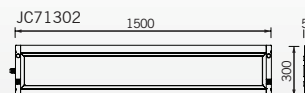
## SURFACE 5000

### The direct 2x58W T8 replacement

- 50% energy saving against fluorescent
- Outperforms 2x58W T8 light output

Code	Description
JC71302	Skytile™ Surface 5000 LED
JC71305	Skytile™ Surface 5000 LED emergency
JC71308	Skytile™ Surface 5000 LED c/w microwave sensor

Watt	Lumens
61W	5000
61W	5000
61W	5000



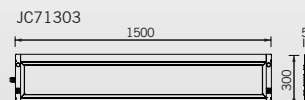
## SURFACE 6200

### The direct 2x70W T8 replacement

- Over 45% energy saving against fluorescent
- Outperforms 2x70W T8 light output

Code	Description
JC71303	Skytile™ Surface 6200 LED
JC71306	Skytile™ Surface 6200 LED emergency
JC71309	Skytile™ Surface 6200 LED c/w microwave sensor

Watt	Lumens
80W	6200
80W	6200
80W	6200



Code	Description	Code	Description	Code	Description
JC71268	Skytile™ suspension kit	JC71310	Skytile™ suspension kit for 1200x600	JC71262	Skytile™ surface mounting box