



**Stylus**  
*LED linear utility luminaire*

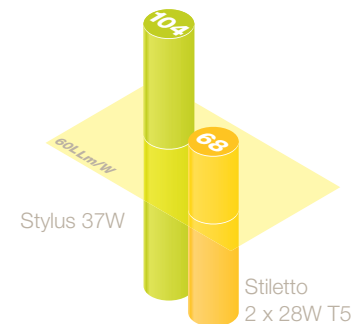
# Stylus – reducing energy and cost of ownership

Stylus is a new linear LED luminaire for utility and transitory applications. Suitable for surface or suspended use, Stylus combines affordability and efficiency. The unique first and second fix feature ensures speedy installation, whilst the light engine configuration guarantees low maintenance and flexibility in application.



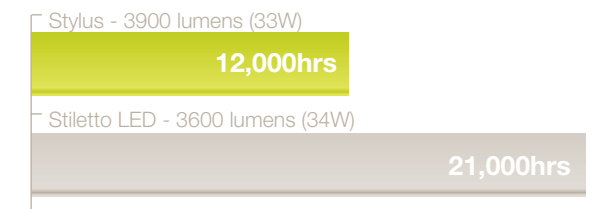
## Reducing energy consumption throughout the building

Stylus brings the same levels of energy efficiency found in high-end front of house luminaires to behind the scenes areas. It's highly efficient LED light engine delivers over 100 Luminaire Lumens per Circuit Watt, reducing energy consumption by 35% when compared to its fluorescent counterpart. This not only ensures compliance with today's UK building regulations, but future proofs your project against tomorrow's demands.



## Lowering cost of ownership

Stylus combines the latest LED technology with innovative design to reduce costs in every area. Delivering linear LED technology to back of house applications previously came at a price and it would be years before a financial benefits could be seen. Stylus now delivers financial payback in 12,000 hours.



Based on the typical cost difference between Stiletto 2 x 28W T5

# Stylus technology

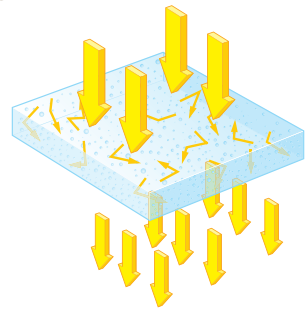
Innovative and feature-rich, Stylus is designed to maximise efficiency and minimise installation time.

## Efficient light engine

Stylus is available in a range of outputs, from 2100 to 6000 lumens. All offer the same 4000K cool white LED light engine which uses high quality, quarter bin LEDs to ensure the highest level of efficiency.

## Maximising uniformity

The curve of Stylus' diffuser is designed to maximise uniformity and minimise glare from all angles. Stylus will provide comfortable illumination whether ceiling or wall mounted.



Micro polymer optic

## Installation made simple

Quick and easy installation is assured thanks to the unique snap-together construction of stylus. The body can be fitted first and then the light engine, gear tray and diffuser assembly snaps onto the body without the need for tools. End caps are fitted last to ensure IP40 protection. BESA mounts and conduit entry points are included as standard to further speed up installation.



Snap in gear tray and diffuser



BESA mounting point



Conduit entry point

## Integral controls

Stylus is available with a choice of lighting control detectors. A Command 5 microwave detector can be integrated into the body, or a Command 6 PIR detector can be fitted as a finger post on the luminaire.



Command 6 detector

# Stylus in action

# stylus

## IP40 diffuser LED luminaire

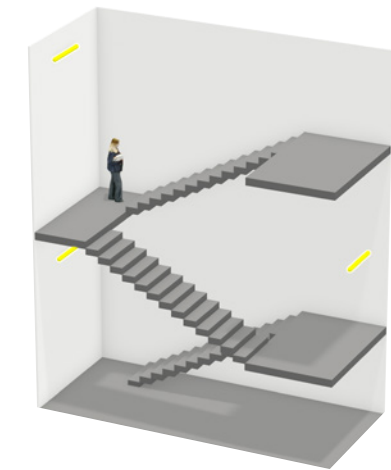
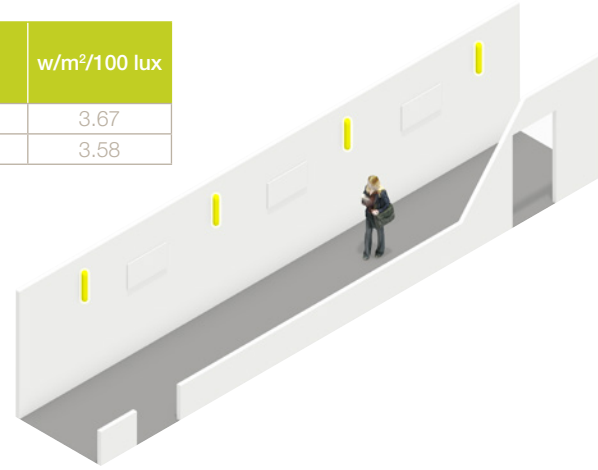


### Corridor

In corridor applications Stylus offers significant energy savings when compared to even other highly efficient LED solutions. Mounted vertically, Stylus delivers bright, even illumination and a striking visual appearance.

Luminaire	Target Lux	Actual Lux	Quantity	Spacing	w/m <sup>2</sup>	w/m <sup>2</sup> /100 lux
Stylus 21W	100	100	7	3.0m	3.6	3.67
Horizon 360 24W	100	117	7	3.0m	4.2	3.58

Based on 2.0m wide corridor, 1.9m mounting height, mounted side on



### Stairwell

Stylus brings safety and efficiency to stairwell illumination. Low energy and installation costs are guaranteed with a single luminaire per landing, whilst the linear light engine delivers a more even vertical and horizontal illumination than traditional bulkhead luminaires.

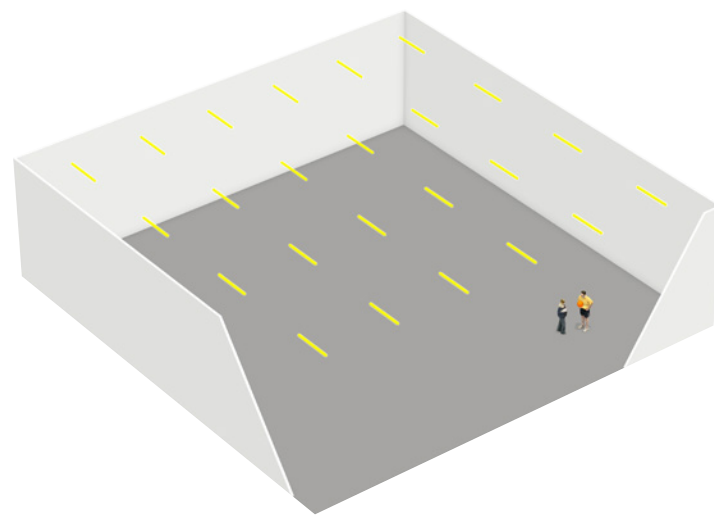
Luminaire	Target Lux	Actual Lux	Quantity per landing	Mounting height	w/m <sup>2</sup>	w/m <sup>2</sup> /100 lux
Stylus 37W	150	152	1	2.0m	6.4	4.21
Kolo 28W	150	184	2	2.0m	9.7	5.27

### Area

Ceiling mounted Stylus luminaires provide excellent area illumination, with high levels of ceiling brightness creating a pleasant lit appearance. Energy savings are significant, with an average reduction of 35% compared to long lamp T5 solutions.

Luminaire	Target Lux	Actual Lux	Quantity	Spacing	w/m <sup>2</sup>	w/m <sup>2</sup> /100 lux
Stylus 57W	300	341	36	3.5x3.5	5.1	1.52
Stiletto 2x35W	300	300	36	3.5x3.5	6.9	2.31

Based on 5m ceiling height, 5m mounting height



### Optics

- Lumen output options:
  - 2100 lumens (21W) – 600mm
  - 3900 lumens (37W) – 1200mm
  - 6000 lumens (54W) – 1800mm
- Extruded polycarbonate opal diffuser
- 4000K 'cool' white LEDs

### Body

- First fix pressed steel body finished in white
- Second fix 'snap fit' light engine and diffuser
- IP40 construction once fully assembled
- Cable entry through the end of the fitting or BESA fixing on the rear
- Injection moulded end caps
- Optional Command 5 microwave detector mounted behind the diffuser available that can be set to one of two configurations;
  - Microwave presence detection with ON/OFF operation
  - Microwave presence detection with High/Low/Off set-back functionality. Can be set to switch from 100% down to setback position of 50%, 30%, 20%, 10% or OFF
- Command 6 sensor available mounted on the end of the luminaire

### Order Codes

Stylus	Fixed output	3 hr Emergency
600mm, 2100 lumen (21W)*	STSH1	-
1200mm, 3900 lumen (37W)	STSH2	STSH2EM
1800mm, 6000 lumen (54W)	STSH3	STSH3EM

### Options

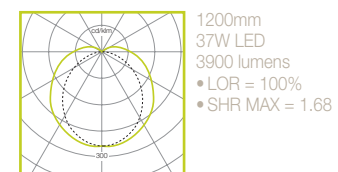
DALI	Replace H with Y	i.e. STSY2
COMEP5**	Add suffix EP	i.e. STSH2EP
COM 5***	Add Q5 before H	i.e. STSQ5H2
COM 6	Add Q6 before H	i.e. STSQ6H2

### Accessories

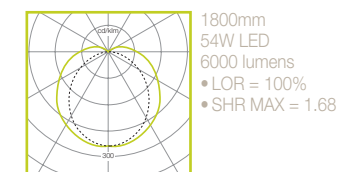
SUSPENSION KIT	STSSUSKIT
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\*Not available with integral emergency  
 \*\*Can be wired as Easytest if required  
 \*\*\*Command 5 not available in DALI products

### Photometric Performance

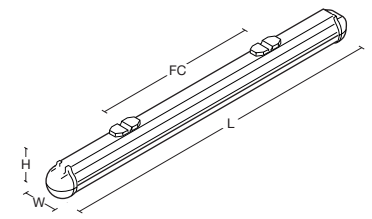


Utilisation Factors UF(F)		Room Reflectance	Room Index
C	W	F	
0.70	0.50	0.20	0.84 1.04 1.09



Utilisation Factors UF(F)		Room Reflectance	Room Index
C	W	F	
0.70	0.50	0.20	0.61 0.88 0.96

### Dimensions



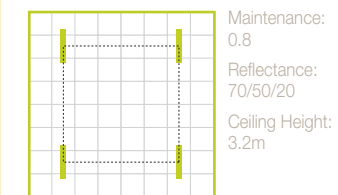
Version	L	W	H	F/C	KG	KG/m
600	660	100	110	400	1.8	-
1200	1250	100	110	604	3.5	4.0
1800	1800	100	110	1000	4.5	5.0

### LED Performance

Colour Temp	Ra (CRI)	Life Expectancy	Colour Consistency
4000K	80	L <sub>80</sub> (50,000hrs)	MacAdam 3 SDCM

### Performance Guide

Lamps	Illuminance	Spacing
37W LED	302 lux	3.0m x 3.0m



### Equivalent Lamp Types

<b>2000 Lumen Output</b>	T5 lamp	1 x 28W
<b>3900 Lumen Output</b>	T5 lamp	2 x 28W
<b>6000 Lumen Output</b>	T5 lamp	2 x 35W

### To Specify

Surface mounted, pressed steel bodied IP40 LED luminaire with 'snap fit' second fix extruded opal polycarbonate diffuser and light engine. Optional microwave or PIR integral sensor and BESA fixings to the rear – as Whitecroft Lighting STYLUS.

*Lighting, design, controls:*  
Total Project Solutions

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