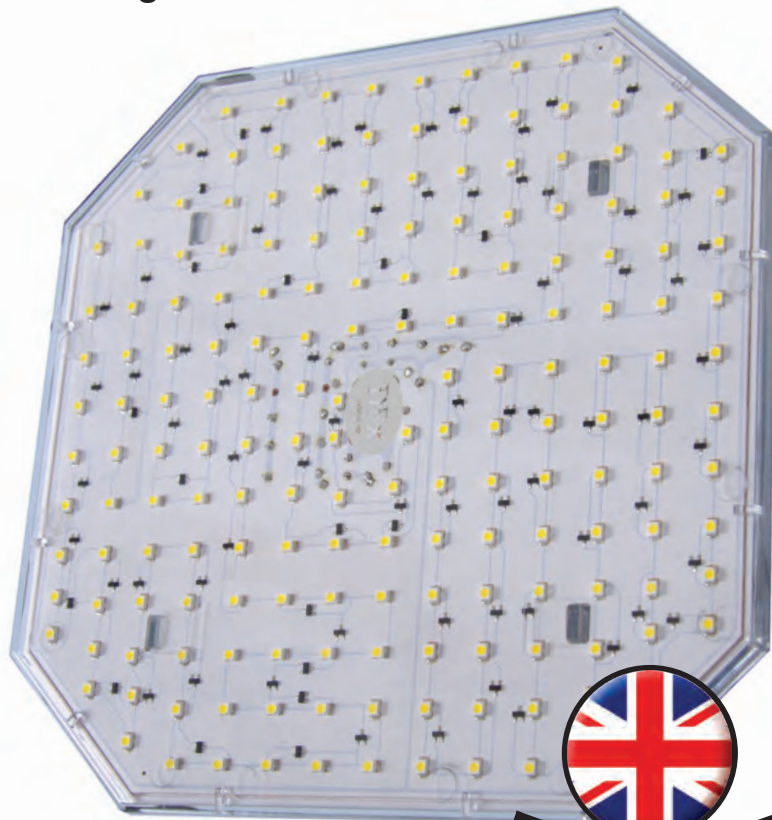# Planetsaver ® - '2D Style' LED Lamps 230V ac

Direct retro-fit replacements for 2-pin and 4-pin 16W and 28W fluorescent lamps for use with magnetic ballast fittings

5-Year* Guarantee

>50% ** **Energy Saving**

Made in Great Britain

- Direct **drop-in replacement**
- **No need to remove the magnetic ballast**
- **50,000 hours** life expectancy
- **Super-bright** - > 64 lumens per watt
- Consume only **7W** and **14W**
- **2-pin** or **4-pin**

Schools	Wash Rooms
Hospitals	Hotels
Car Parks	Bars / Pubs
Universities / Colleges	Clubs
Sports Centres	Warehouses
Stairways and Corridors	Cold Rooms

Warm White 3250 °K

Pure White 5000 °K

Specifications - '2D Style' LED

Product Codes	Replaces	Pins	Current @230V	W @230V	No. of LEDs	Lumens (min.)	Lumens per Watt	Light Output (Lux) @ 0.5m
SQ16-P2 (Pure) SQ16-W2 (Warm)	Old 16W	2	60 mA	7W	90	450	> 64	330
SQ16-P4 (Pure) SQ16-W4 (Warm)	Old 16W	4	60 mA	7W	90	450	> 64	330
SQ28-P2 (Pure) SQ28-W2 (Warm)	Old 28W	2	90 mA	14 W	180	900	> 64	660
SQ28-P4 (Pure) SQ28-W4 (Warm)	Old 28W	4	90 mA	14 W	180	900	> 64	660

Lamp

Colour Temperature

Pure White (5000°K)
Warm White (3250°K)

Lamp Life
Built in redundancy against LED failure

up to 50,000 hours

Environmental

Operating Temperature
Storage Temperature
Relative Humidity

-20°C...+30°C
-40°C...+65°C
0% to 90% Non-condensing

Materials

Case
Lens

Flame-retardant ABS V0 rated
Polycarbonate V2 rated

Voltage & Connection

230 V ac +/- 5% (see label), 50 Hz
Internal fuse protection

200mA (not user replaceable)

Remove the starter and any power factor capacitor installed in the fitting. **Any modification required to the fitting should be undertaken only by a qualified electrician.** The owner/installer must satisfy themselves that the lamp is suitable for use and may be used safely in a given fitting.

Design & Manufacture

Designed & manufactured to ISO 9001:2008. Quality Assurance Standard and tested for compliance with European CE Certification for use across the European Union. RoHS compliant. All specifications and images are subject to change without notice. For more details visit: www.dfxtech.co.uk/planetsaver . *5 year guarantee against complete lamp failure. **When compared to old 2D fluorescent 16W and 28W lamps.