

Planetsaver[®] - 2D 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 (Magnetic Ballast Version) or fittings with the ballast removed (Ballast Removed - Direct Mains - Version)

5^{*} Yr
Guarantee

Up to ^{**}
70%
Energy Saving



- Direct **drop-in replacement**
- **50,000 hours** life expectancy
- **Super-bright** - > 80 lumens per watt
- Consume only **7W** and **14W**
- **2-pin** or **4-pin**
- **Warm White** (3250°K) or **Pure White** (5000°K)
- **Perfect for use with PIRs and other presence or light level detectors**

Schools
Hospitals
Car Parks
Universities / Colleges
Sports Centres
Stairways and Corridors

Wash Rooms
Hotels
Bars / Pubs
Clubs
Warehouses
Cold Rooms

**MAGNETIC
BALLAST
VERSION**

**BALLAST
REMOVED
(DIRECT MAINS)
VERSION**

Specifications - 2D LED Lamps

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	> 80	760
SQ16-P4 (Pure) SQ16-W4 (Warm)	Old 16W	4	60 mA	7W	90	450	> 80	760
SQ28-P2 (Pure) SQ28-W2 (Warm)	Old 28W	2	90 mA	14 W	180	900	> 80	1400
SQ28-P4 (Pure) SQ28-W4 (Warm)	Old 28W	4	90 mA	14 W	180	900	> 80	1400

Lamp

Colour Temperature

Pure White (5000°K)
Warm White (3250°K)
up to 50,000 hours

Lamp Life

Built in redundancy against LED failure

Environmental

Operating Temperature

-20°C to +30°C

Storage Temperature

-40°C to +65°C

Relative Humidity

0% to 90% Non-condensing

Materials

Case

Flame-retardant ABS V0 rated

Lens

Polycarbonate V0 rated

Voltage & Connection

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

Internal fuse protection

Magnetic Ballast Version

Remove the starter and any power factor capacitor installed in the fitting.

Ballast Removed (Direct Mains) Version

Remove the starter, power factor correction capacitor (if fitted) and the existing ballast. Connect the incoming mains directly to the lamp holder.

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.

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; see Terms and Conditions. **When compared to old 2D fluorescent 16W and 28W lamps and fittings.