



**designplan**  
LIGHTING

SUSTAINABILITY

**CIRCULAR ECONOMY**

**RETROFIT YOUR LIGHTING**



**LAMPS**

**BANNED**

**2023 / 2024**

# FLUORESCENT LIGHTING

## TIME IS RUNNING OUT



Fluorescent lighting is no longer available (sold) in the European Union as of 24 August 2023 further to Stage 2 of the Single Lighting Regulation and the updated Restriction of Hazardous Substances (RoHS) directive. In Great Britain the ban began on 1 September 2023 with some T8 lamps, and others will follow on 1 February 2024.

### KEY DATES FOR YOUR DIARY

Lamp Type	EU Phase Out Date	GB Phase Out Date
CFLni (Non-Integrated)	24 February 2023 (RoHS)	1 February 2024 (RoHS)
CFLni Long Life (<30W, >20,000h)	24 August 2023 (RoHS)	1 February 2024 (RoHS)
T5	24 August 2023 (RoHS)	1 February 2024 (RoHS)
T8 (2ft, 4ft & 5ft)	24 August 2023 (RoHS)	1 September 2023 (Eco-Design)
T8 (Other lengths)	24 August 2023 (RoHS)	1 February 2024 (RoHS)
T5/8 Long Life (.25,000h)	24 February 2023 (RoHS)	1 February 2024 (RoHS)
SON Deluxe (Most)	24 August 2023 (RoHS)	1 February 2024 (RoHS)

### THERES NO NEED TO WORRY

Simply replace your fluorescent luminaire's internal control gear with an LED gear tray.



EASILY UPGRADE TO LED WITH A RETROFIT LED GEAR TRAY



BEFORE



AFTER



### BENEFITS OF LED GEAR TRAYS

Designplan products incorporate this sustainable design feature which will:

#### 1. REDUCE YOUR ENERGY USE

You will lower your energy bills by 50 to 60% compared to fluorescent lighting.

#### 2. LOWER MAINTENANCE COSTS

Our LED gear trays have up to 5 times the operational life of fluorescent, reducing the frequency and time your maintenance team will be on site.

#### 3. MINIMISE DISRUPTION

Downtime is reduced as the new LED gear tray is switched over quickly thanks to a simple slip plug connection.

#### 4. IMPROVE SAFETY & OUTPUT

Badly illuminated spaces can be eliminated as the "before" and "after" images opposite demonstrate.

#### 5. REDUCE YOUR OWNERSHIP COSTS

Typically your return on investment will be achieved within two to four years when upgrading to an LED lighting system. This can be reduced further when utilising a retrofit gear tray as less of the original installation needs to be replaced.

#### 6. FUTURE PROOF YOUR LIGHTING

Replaceable gear trays provide you with access to new technologies as they are developed.

### HOW WE CAN HELP

We never "turn our back" on a Designplan luminaire. We will:

- Enable you to meet your legal obligations.
- Ensure you embrace the circular economy.
- Empower energy use reduction both now and in the future.

# COMPLIANCE

## HOW WE CAN HELP YOU



PRECISION DESIGN AND TESTING IN OUR IN-HOUSE LABORATORY

We will assist you to meet your legal obligations when specifying a retrofit LED gear tray as follows:

### 1. RE-CERTIFICATION

You can rely on Designplan to recertify, as a new product, the CE / UKCA mark of a modified luminaire.

### 2. CONSUMER PROTECTION ACT

To ensure you comply with the CPA, we will take on the legal responsibility for the entire modified product.

### 3. BUILDING REGULATIONS

We will provide you with a full photometry report to ensure assessment against Part L of the building regulations.

### 4. INGRESS PROTECTION

To maintain the IP rating of the modified luminaire, we will provide any new parts to the original specification. We then test and recertify.

### 5. LIGHTING PERFORMANCE

Replacement diffusers will probably be required to maximise efficiency and control glare. We will provide confirmation of the CCT and CRI of the modified luminaire to ensure quality and comfort.

### 6. LED COMPATIBILITY

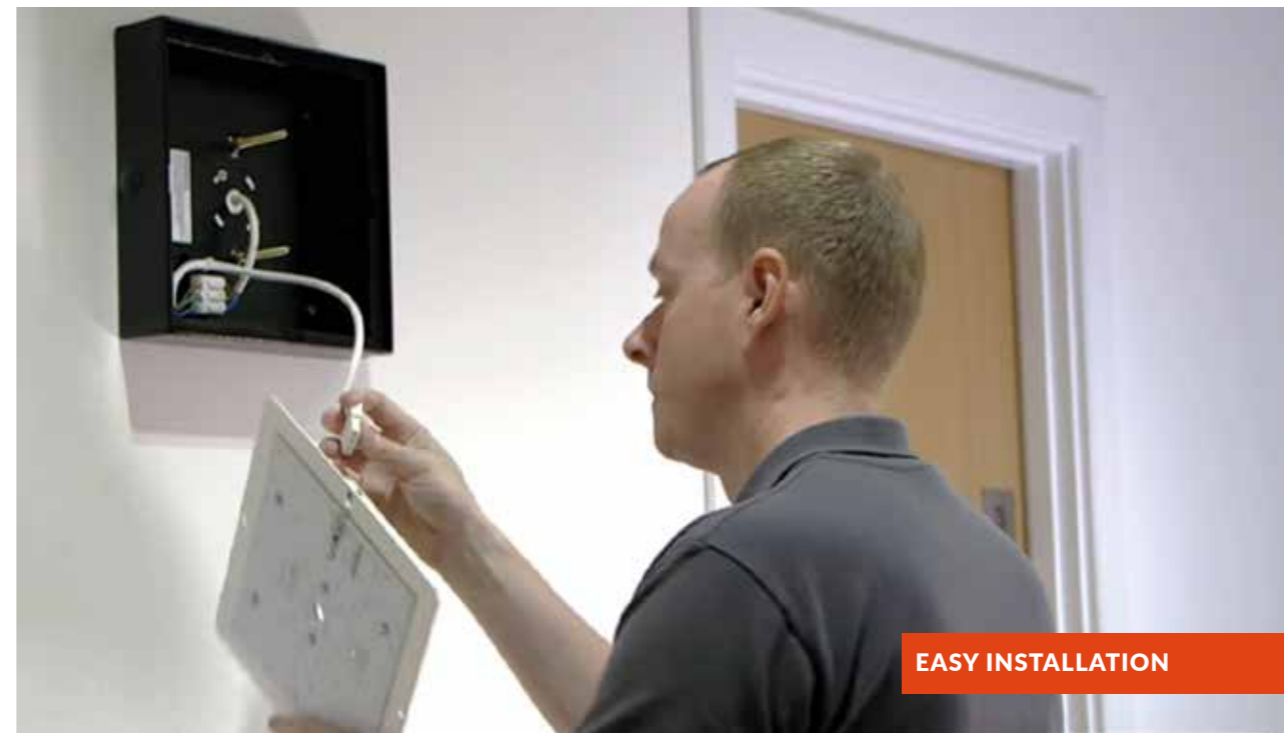
Some components inside products designed for fluorescent lamps contain volatile organic compounds (VOCs), which can damage LEDs. We test the compatibility of all componentry installed in the modified luminaire.

### 7. WARRANTY

You require a warranty that extends to all parts of the modified luminaire. We go a step further and will renew the 5 year warranty of your complete luminaire following a site survey\*.



PRODUCTION TESTING



EASY INSTALLATION

\*Following a site survey we may reuse or need to replace some/all components depending on current condition, e.g. the diffuser.

# CIRCULAR ECONOMY

## BENEFITS



### SUSTAINABILITY BUILT IN

Until recently, few people had heard the term circular economy. We have now embraced the need to move away from the traditional “take-make-dispose” linear production cycle.

To be sustainable we require products designed to emphasise resource reduction, extended use, reuse and recycling. Ensuring various functional requirements are met, such as performance standards and safety, is also vital.

Converting to LED lighting, following the fluorescent phase out, will have a positive impact on our environment.

Ensuring you can convert to LED sustainably is a major consideration. That’s why you need a retrofit LED gear tray, a universal design principle across our product range for over 40 years.

### WHAT MAKES A SUSTAINABLE LED LUMINAIRE

#### 1. LONG LIFE BODY

A body constructed using durable and recyclable materials such as steel and aluminium, protected using proprietary methods, will ensure a high IK rating for impact resistance and a 30 year+ design life.

#### 2. SUSTAINABLE TECHNOLOGY

Upgradeable components mean less waste when replacing whole fittings. An LED gear tray reduces costly on-site work and provides access to new technologies as they are developed.

#### 3. HIGH INGRESS PROTECTION

Dust tight and weather resistant lighting is essential in many challenging applications. Long life, quality, precision cut materials and rigorous testing ensure a high ingress protection (IP) rating.

#### 4. RECYCLABLE DIFFUSER

UV stable and high impact diffusers are fully recyclable as are opal, prismatic, frosted and glass options designed for use with application specific optics.

#### 5. LOW MAINTENANCE

Our LED gear trays have up to 5 times the operational life of fluorescent, reducing the frequency and time your maintenance team will be on site. Downtime is reduced as the new LED gear tray is switched over quickly thanks to a simple slip plug connection.

#### YOU CAN RELY ON DESIGNPLAN

We never “turn our back” on a Designplan luminaire. Our precision engineered retrofit gear trays will upgrade your installed lighting, whether it is traditional fluorescent or early adoption LED.

# ENERGY EFFICIENT LIGHTING

## FOR THE LONG HAUL

### REDUCING CONSUMPTION

LEDs are energy efficient, long-lasting and low-maintenance, making them ideal sustainable lighting.

Compared to fluorescent lighting, more of the energy used in an LED fitting is converted to light, and less is radiated as heat, making them the most efficient option.

You will lower your energy bills by 50 to 60% compared to fluorescent lighting when converting to LED. You will also benefit from future improvements to efficacy and efficiency.

### SUPPORT AND ADVICE

One of our technical sales team will visit your site to conduct a thorough, no obligation survey of your current lighting installation. They will assess your premises for potential energy savings.

We will send you a site survey pack which will include, as required, a lighting scheme, recommended luminaires and/or LED gear tray replacements and a costed design proposal.

### RESPONSIVE DESIGN

We have a range of gear trays for Designplan products “ready to go”.

Our team can also quickly design replacement gear trays, which will be tested in-house, to meet your needs.

Call 020 8254 2022 to discuss your retrofit requirements or e-mail [technicalsales@designplan.co.uk](mailto:technicalsales@designplan.co.uk)



WE WILL VISIT YOUR PREMISES TO RECOMMEND POTENTIAL ENERGY SAVINGS

SITE SURVEY





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LIGHTING



## DESIGNED TO LAST

Our retrofit LED gear trays upgrade installed lighting sustainably, are reliable, simple to install and easy to maintain.

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**60** YEARS ANNIVERSARY

