LEDISON LED 2D

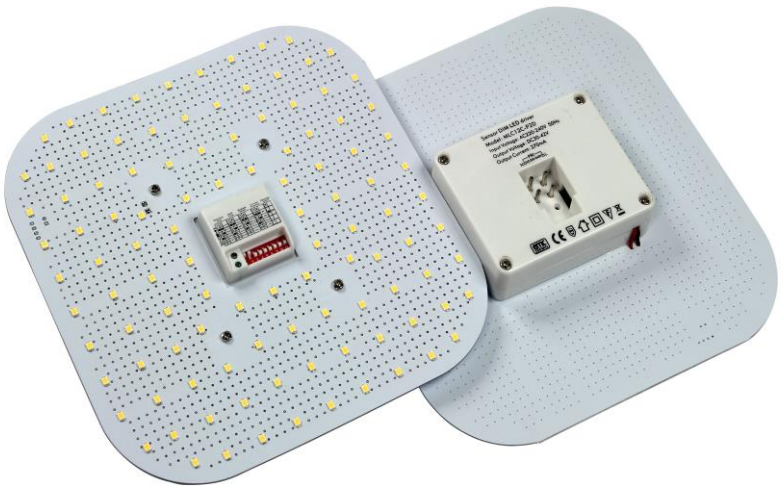
LED replacement for fluorescent 2D Lamps (4pin and 2pin)

Key features and benefits

- Up to **70%** energy savings compared to fluorescent 2Ds with electromagnetic ballast
- **50,000** hour lifetime, much longer than standard fluorescent 2D
- High colour rendering (85) compared to a standard 63
- Instant 'on' with no flicker or buzz
- 2800K up to 6500K colour temperatures
- No mercury – safe disposal at end of life (RoHS compliant)
- Safe to retrofit



The LEDISON 2D Lamps is an energy-saving replacement for fluorescent 2D, which can be installed in just a few minutes, using existing luminaries



Applications

- Super markets
- Offices and warehouses
- Industrial places
- Outdoor applications (special IP65 fitting required)
- Corridors
- Stairwell
- Shops
- Car parks

Quick Installation Guide – **LEDISON LED 2D (DD)**

It is necessary to read the quick installation guide. The guide provides information regarding the proper installation and operation of the 2D lamp

CAUTION

1. This device shall be installed by a qualified electrician, in accordance with all relevant local codes.
2. This product is **non-dimmable**
3. **LEDISON DD lamp fit in standard** GR10Q - 4pin / GR8Q-2pin **lampholder**
4. Risk of electric shock. Ensure that the power supply is off, when wiring or soldering the sections of the device.
5. Do not use sharp tools near or on the surface of the device
6. The ambient temperature shall be limited from -20 to +50 degrees Celsius.
7. The input voltage shall be limited to 65-265V AC, 50/60Hz
8. The 2D lamps shall be used or stored in dry places, where the ambient humidity is limited to 10-70% RH and no corrosive gases exist. If 2D lamps are used for outdoor applications, waterproof IP65 or higher fittings are required.

WORKING ENVIROMENT

1. The product is suitable for indoor use, and applicable for dry environment.

2. **The LEDISON LED 2D (DD) DOES NOT require ballast or starter, which is necessary only for traditional standards fluorescent 2Ds.**

3. If the ballast and starter is connected to the LED 2D, it will overdrive the LED lamps when starting and under drive it afterwards causing malfunction in the LED lamp itself.

Disposal

The symbol of the wheelie bin with the line through it means that, in the European Union, the product has to be disposed of in a separate refuse collection. This applies to the product and to all components bearing this symbol. Products marked in this way may not be disposed of along with normal domestic waste but have to be handled in at a recycling collection point for electrical and electronic appliances. Recycling helps to reduce and ease the burden on the environment. The packaging and ancillary packing consist entirely of environmentally friendly materials. They can be disposed of at your local recycling facility.



Our WEEE Registration number WEE/DH5343YW

Operation without ballast, without starter - LEDISON LED 2D (DD)

STEP 1



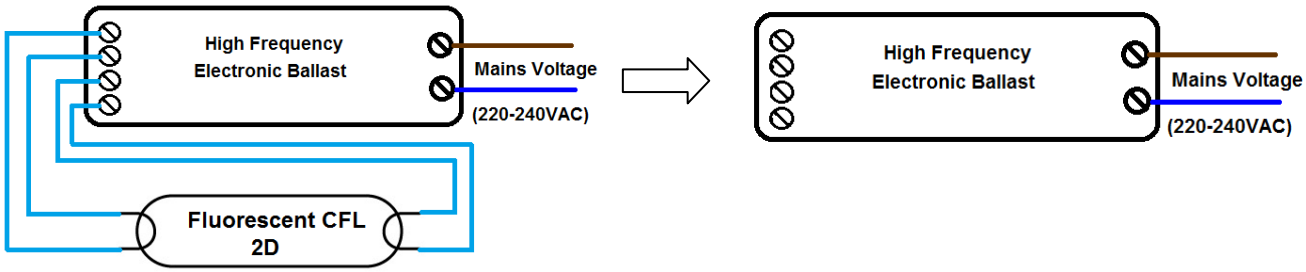
NOTICE: The power supply must be switched off before starting any work

STEP 2



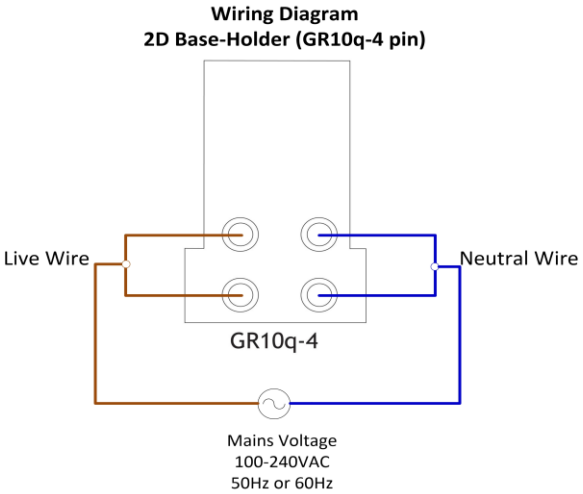
NOTICE: Remove all the existing fluorescent 2D lamps from the lighting fixture

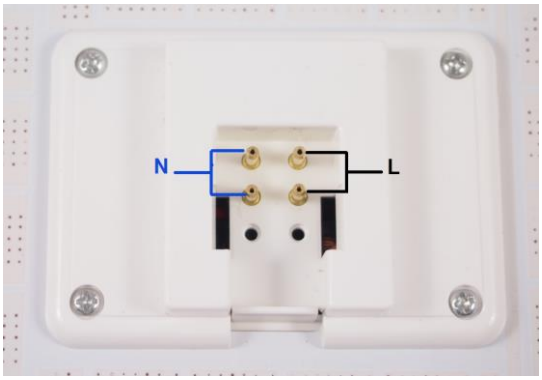
STEP 3



Remove the four wires of the HF ballast
NOTICE: Inductive or High Frequency Electronic Ballasts must be removed or bypassed.

STEP 4





The new LED DD requires only two wires (live and neutral, 230Vac mains voltage). The incoming mains connections are rerouted to the GR8 base so that one wire goes to either side of the LED 2D. The LED 2D has its own built-in driver which is connected directly to the mains voltage

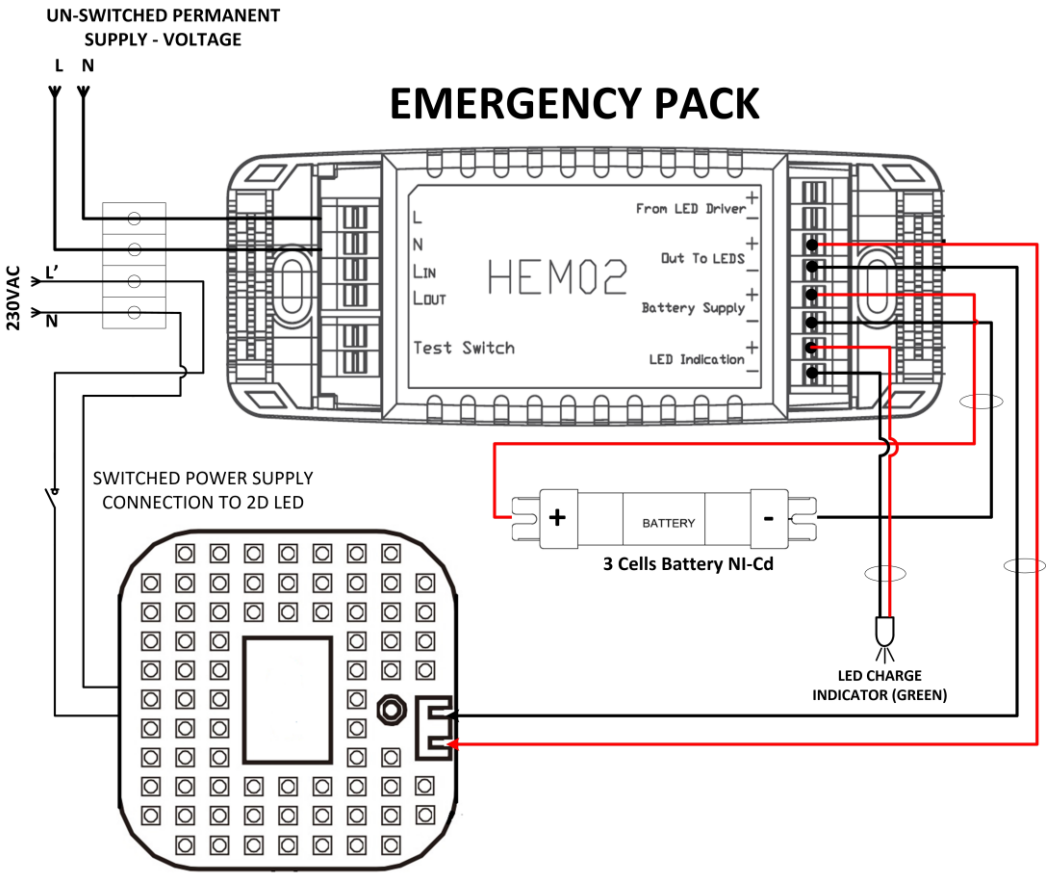
Emergency Conversion Kits for 12W & 16W

Product Features

- Constant current power supply
- Maintain and non-maintain mode
- Over current protection for battery
- Over charge protection for battery
- Green LED indication for status of the kit
- Reverse polarity protection
- **Compatible with 2D Lamps 12w & 16w (standard) & 12W 16W with built in microwave sensor**

Specification

Charging Time:	24 hours	**Operating Ambient Temperature:**	-15C to 50C
Back up for emergency time:	3 hours	**Dimensions:**	150x53x30mm
Battery type:	Ni-Cd	**Battery Capacity:**	4000mAh
Battery Volts:	3.6V	**Output DC Voltage**	12Vdc



COMPLETE RANGE OF LED 2D LAMPS - TECHNICAL SPECIFICATION

		2D 9Watt	2D 12Watt	2D 16Watt	2D 12Watt Sensor	2D 16Watt Sensor
Product Code		**LDN-2D0970-Y**	**LDN-2D1294-Y**	**LDN-2D18140-X-Y**	**LDN-2D01294-X-M**	**LDN-2D18140-X-M**
Rated Power		**9W**	**12W**	**16W**	**12W**	**16 W**
LED Qnt		120 SDM 3528	160 SMD3528	240 SMD3528	160 SMD3528	240 SMD3528
Dimensions		14.6x3.2x14.6cm	19.3x3.6x19.3cm	19.3x3.6x19.3cm	19.3x3.6x19.3cm	19.3x3.6x19.3cm
Lumen (flux)	Frosted	700lm (warm white) 800lm (natural white) 900lm (cool white)	940lm (warm white) 1050lm (natural white) 1150lm (cool white)	1410lm (warm white) 1510lm (natural white) 1610lm (cool white)	940lm (warm white) 1050lm (natural white) 1150lm (cool white)	1410lm (warm white) 1510lm (natural white) 1610lm (cool white)
CLF Replacement		**18w DD**	**28W DD**	**38W DD**	**28W DD**	**38W DD**
Pin/Fitting		GR10Q - 4pin				
Color Index	Ra	Ra> 80				
Power Factor	PF	PF>0.95				
Colour Temp.	K	Y: WW:2700K, NW : 4000K, CW : 5500K				
LED Forward Amps	A	150mA	350mA	550mA	350mA	550mA
Input Volts	V	100-240VAC				
Beam Angle	Degree	120deg				
Life span		50,000 hours				
IP Rating		IP21				
Operating Ambient	Degree	-20° C to +45° C, 10-80%Rh				