

Please read these instructions thoroughly before use and retain for future reference.

- \* The T8 LED lamp is made up of T8 LED tube and LED starter
- \* The T8 LED lamp is used for replacing the T8 fluorescent lamps:

T8-LED-8W replaces T8 fluorescent lamp 18W





T8-LED-17W replaces T8 fluorescent lamp 36W

T8-LED-21W replaces T8 fluorescent lamp 58W

- \* The T8 LED working temperature is -20 °C to 40 °C
- \* No modifications of the luminaire which the LED lamp is to be used with are to be made.

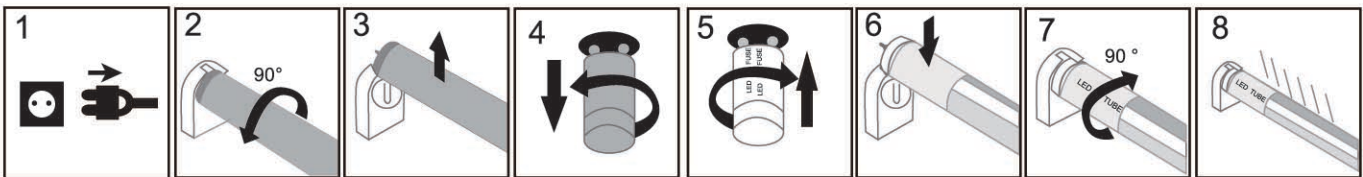
This lamp may not be suitable for use in all applications where a traditional fluorescent lamp has been used. The temperature range of this lamp is more restricted. In cases of doubt regarding the suitability of the application the manufacturer of this lamp should be consulted.

- \* This lamp is designed for general lighting service (excluding for example explosive atmospheres).

	Lamp is suitable for use in luminaires with magnetic ballasts.		Lamp should be used in dry conditions or in a luminaire that provides protection.
	Lamp is not suitable to be used in emergency luminaires designed for double-capped fluorescent lamp(s).		Lamp is not dimmable.

### Operating instructions of light replacement (Only used with Magnetic Ballasts)

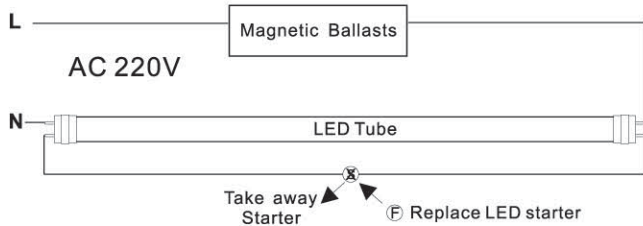
Schematic steps of removing a fluorescent lamp and inserting a double-capped LED lamp designed to retrofit linear fluorescent lamp



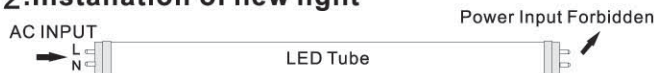
- 1) Switch off electricity.
- 2) and 3) Remove the conventional lamp.
- 4) Remove the starter.
- 5) Click the LED replacement starter into the starter holder.
- 6) Insert the LED lamp into the lampholder.
- 7) Secure the position by turning the lamp by 90 ° .
- 8) Switch on electricity and check for lamp starting.

### Operating instructions: (Diagram)

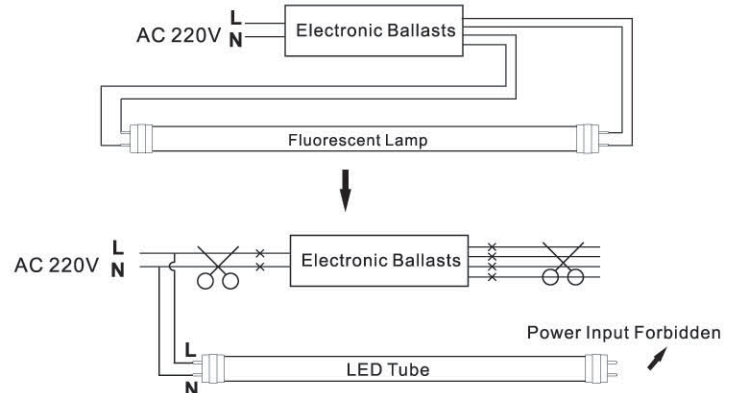
#### 1. Installation of light replacement (Magnetic Ballasts)



#### 2. Installation of new light



#### 3. Installation of light replacement (Electronic Ballasts)



**PS: Only professional staff is allowed to operate!**



<b>Title</b>	<b>T8L Performance Requirements</b>
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<b>Specification</b>	<b>T8L-IDHH23-2750-5ft-XXX</b>
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**Market: European & Asia****1 Dimensions & Cap**

	Referenced standard	Dimension	Min	Max	Unit
	IEC60081	A	/	1500	mm
		B	1504.7	1507.1	
		C	/	1514.2	
		D	25	26	
		Cap	G13		

**2 Testing condition and method**

Temperature: 25°C±1°C, Humidity: ≤65%, No air flow;

**3 Electrical Characteristics**

Parameter	Symbol	Referenced standard	Rated	Tolerance	Unit
Rated Power	P	IEC/PAS 62612	21	±10%	W
Input Voltage	U		220~240	/	V
Line frequency	f		50/60	/	Hz
Power Factor	PF		0.9	-3%	/
Ignition Time	t		<0.5		s

**4 Photometrical Characteristics**

Parameter	Symbol	Referenced standard	Rated	Tolerance	Unit
Flux <4000K	Φ	IEC/PAS 62612	2600	-10%	lm
Flux ≥4000K			2750		
Efficacy <4000K	η		125	-10%	lm/W
Efficacy ≥4000K			130		

**5 Color Characteristics**

Parameter (Color)	Symbol	Referenced standard	Rated	Tolerance	Unit
CCT-3000K	CCT	EU 1194 IEC/PAS 62612	x=0.440 y=0.403		
CCT-4000K			x=0.380 y=0.380		
CCT-5000K			x=0.346 y=0.359		
CCT-6500K			x=0.313 y=0.337		
CRI	Ra		82	-2	/
Color tolerance	/		≤5		SDCM

**6 Lumen maintenance & Life**

Parameter	Symbol	Referenced standard	Rated	Unit
Lumen Maintenance at 6000hrs	/	EU 1194	95.8%	/
Life	t	IEC/PAS 62612	50,000	Hrs

**7 Operation Temperature & Storage Temperature**

Parameter	Symbol	Referenced standard	Min	Max	Unit
Operation Temperature	Top	/	-20	45	°C
Storage Temperature	Tst		-40	85	°C