

Datasheet

T8 LED Tube
Standard: 110lm/W

40034039 SAA CE RoHS 60% energy saving 50,000 hours life 5 years warranty

• Product Features

> Universal input voltage AC90-277V
> VDE/TUV/CE/ROHS approval
> Up to 60% energy saving
> 80% Lumen maintenance @6000h
> 200,000 Switching cycle before failure
> Max.6SDCM color consistency in level
> Patent designed heating sink system
> 180 degree rotatable end cap with scale
> Various kinds colorful end caps

• Product Picture



• Options

> Lumen efficacy: Standard:110LM/W
> Premium version available on demand : 130 lm/W

> Cap ring color:Various color
> PC cover:Clear or frosted
> Pink color for meat

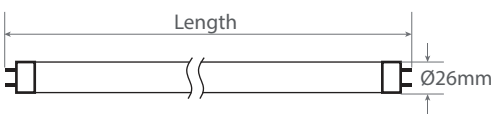
• Applications

> Industrial Lighting: Factory, Warehouse, etc
> Commerical Lighting: Office, Super-market Hotel, Exhibition hall etc
> Public Lighting: Residence, Library, Hospital School,MTR station, Bus station, Train station,Airport ,etc



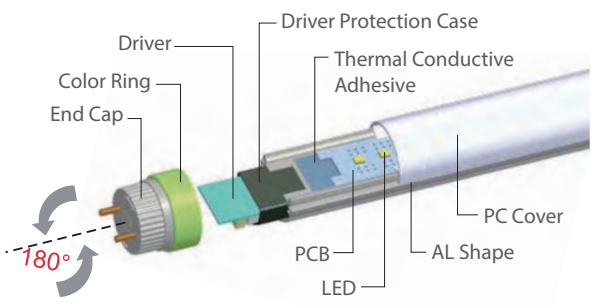
• Dimension

D Shape



Type	60cm/2ft	120cm/4ft	150cm/5ft
Length	603±1mm	1212±1mm	1513±1mm

• Exploded View



• Technical / Electrical Characters (at TA=25°

Item	Symbol	General :95-105LM/W						Permium:120-130LM/W						Deluxe : 140-150LM/W					
Dimension	W	L=60CM	L=120CM		L=150CM			L=60CM	L=120CM		L=150CM			L=60CM	L=120CM		L=150CM		
Rated Power	/	10W	18W	20W	22W	25W	30W	10W	18W	20W	22W	25W	30W	10W	18W	20W	22W	25W	30W
LED Type /Qty	SMD2835	72pcs	144pcs	168pcs	180pcs	192pcs	216pcs	72pcs	144pcs	168pcs	180pcs	192pcs	216pcs	72pcs	144pcs	168pcs	180pcs	192pcs	216pcs
Power Factor	PF	PF>0.95																	
Color Temperature	TC (K)	WW: 2500-4000K, NW: 4000-5000K PW: 5000-6000K, CW: >6000K																	
Beam Angle	Degree	120 degree																	
LED forwarder current	mA	Constant 45mA																	
Input Voltage	V	AC100-277V/50Hz																	
Working Voltage	V	Constant DC36-40V																	
Housing material	/	Aluminum +PC																	
Socket / Diameter	/	Rotatable G13/ D26mm																	
Protection Class	IP	IP20																	
Temperature	°C	Operation : -10°C~+40°C Storage: -30°C~+60°C																	
Life Span	h	50,000 hours																	
Warranty	/	5 years																	

• ErP Technical Specification

Item	Symbol	Specification / Data
Color Index	CRI	Ra>80 , R9>0
Luminous Efficacy	Lm/W	Standard :110M/W Permium:130LM/W
Color consistency in level	/	Max. 6SDCM
THD	%	<15%
Starting Time	S	<0.5S
Switching Cycle before Failure	/	>200,000 times
Premature failure rate @1000h	/	0
Lumen Maintenance @ 6000h	%	>80%



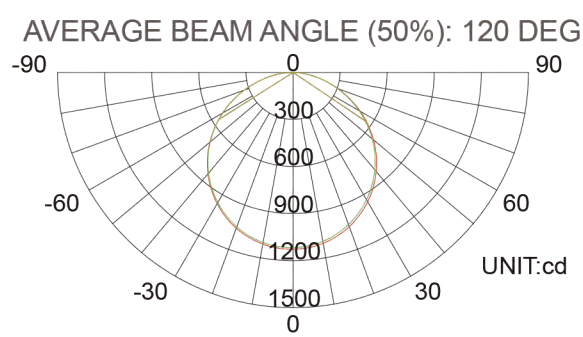
• Product code policy

T8-XX XX-X-YY-SE110

01 02 03 04 05

01. Product category: T8 or T5/T6 tube
02. Product length: example : 15=150cm, 60= 60cm etc.
03. Product power rating : example: 10=10W
04. Cover type : C=clear, F=frosted
05. Colour temperature : WW,NW,CW

• Photometry Curve



Wiring Instructions Only For Magnetic Ballast

Operation WITH Ballast and LED Starter – Single Ended Power Feed

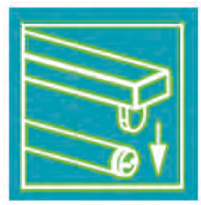
STEP 1





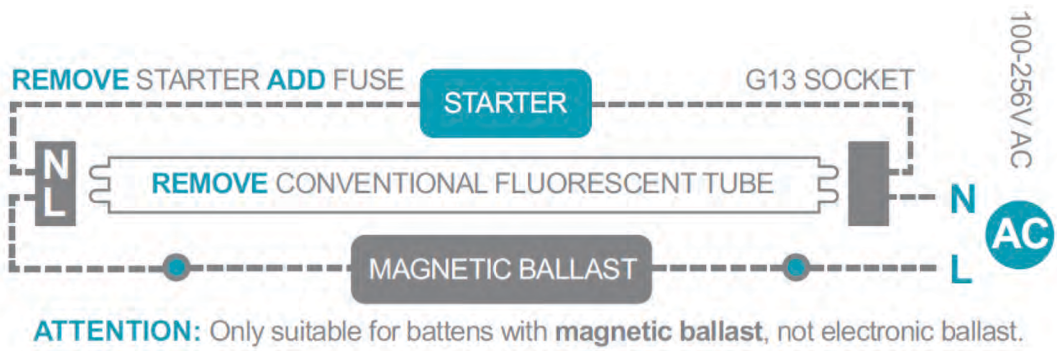
The power supply must be **switched off** before starting any work

STEP 2



Remove all the existing fluorescent tubes from the lighting fixture

STEP 3





Replace starter with supplied fuse. Insert Ledison LED tube
Fit the LED fuse, supplied with the tube

Important Notice: If the fitting shares one ballast, for example two tubes - one ballast, then the ballast need to be removed

• Package

Product Type	Rated Power	Inner Box	Outer Carton	Qty/Carton	Unit N.W	G.W/Carton
L=600mm/2ft	10W	650 x 35 x 31mm	665 x 195 x 175mm	25Pcs	210g	7.0Kg
L=1200mm/4ft	18W/20W	1260 x 35 x 31mm	1275 x 195 x 175mm	25Pcs	380g	12.5Kg
L=1500mm/5ft	22W/25W/30W	1560 x 35 x 31mm	1575 x 195 x 175mm	25Pcs	440g	14.2Kg

CAUTION

※ In case of electric shock, please make sure the power is off before installation.
※ The lamp should be installed and operated by a qualified electrician or technician in accordance with relevant local codes.
※ Do not use sharp tools near or on the surface of the lamp.
※ Unpack and examine the product carefully. Report any damage and save all packing materials if any portion of the product was damaged during transportation.

Wiring Instructions Only For Electronic/HF Ballast

Operation WITHOUT Ballast and Starter – Single Ended Power Feed

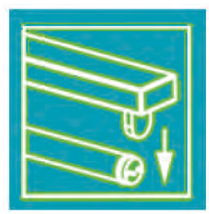
STEP 1





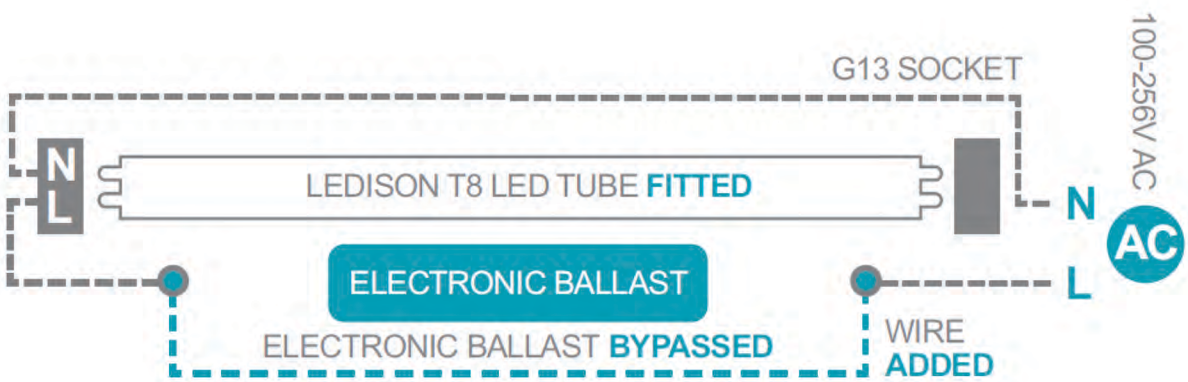
The power supply must be **switched off** before starting any work

STEP 2



Remove all the existing fluorescent tubes from the lighting fixture

STEP 3





NOTICE: Electronic Ballast must be removed or bypassed
NOTICE: The marked side of the LED tube (AC Input) is connected directly to AC voltage 90-270VAC