

T8 LED tube

I.Features



- 1.Adopt super bright LED as lighting source;
- 2.With CE, TUV, ETL certificate;
- 3.Input voltage: 100-240VAC;
- 4.Built –in isolated driver with UL listed;
- 5.High lumen output, high efficiency;
- 6.Excellent heat dissipation structure,Low Light Decline, long lifespan(>30,000hours);
- 7.Imported PC cover material, mercury and lead free;
- 8.Easy installation, replace traditional fluorescent directly.

II.Application

- 1.Hotel;
- 2.Club;
- 3.Business area;
- 4.Meeting room;
- 5.Factory, office;
- 6.Home;
- 7.School.



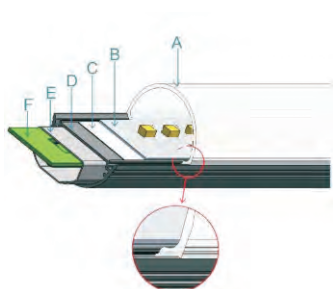
III.Picture



IV.Internal structure



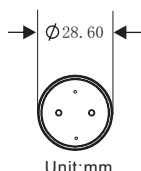
Cross-section



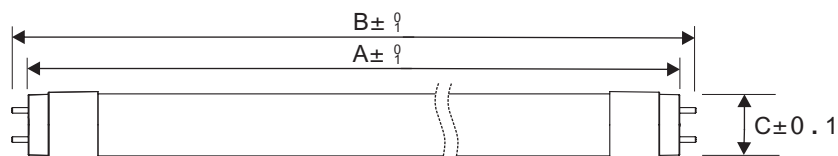
Lock in the aluminium housing

- A.PC cover;
- B.PCB;
- C.Silicone thermal pad;
- D.D shaped Aluminium housing;
- E.PC cover for power supply;
- F.Built-in driver.

V.Parameters



Unit:mm



Technical parameter

No.	Part No.	Dimension(mm)			input voltage (V/Hz)	Driver	PINS	Beam angle	working temperature	lifespan	IP rate
		A(Max)	B(Max)	C							
1	GL-T8-06-PW/WW/NW-F/T	589.4	604.0	26.5	AC100 - 240/ 50 - 60	Build-in , Isolated/ non-isolated driver	G13	120°	-20 - 40°C	30,000H	IP40
2	GL-T8-09-PW/WW/NW-F/T	894.6	908.8	26.5	AC100 - 240/ 50 - 60		G13	120°	-20 - 40°C	30,000H	IP40
3	GL-T8-12-PW/WW/NW-F/T	1199.4	1213.6	26.5	AC100 - 240/ 50 - 60		G13	120°	-20 - 40°C	30,000H	IP40
4	GL-T8-15-PW/WW/NW-F/T	1500.0	1514.2	26.5	AC100 - 240/ 50 - 60		G13	120°	-20 - 40°C	30,000H	IP40
5	GL-T8-18-PW/WW/NW-F/T	1763.8	1778.0	26.5	AC100 - 240/ 50 - 60		G13	120°	-20 - 40°C	30,000H	IP40
6	GL-T8-24-PW/WW/NW-F/T	2374.9	2389.1	26.5	AC100 - 240/ 50 - 60		G13	120°	-20 - 40°C	30,000H	IP40

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V. Technical Parameters

Photoelectricity parameter

Series VI: CRI> 80,ETL/TUV/CE certificated

No.	Part No.	Led type/ Qty.	Power (incl.driver)	CCT	CRI	Light Efficiency(±10%)		LM(±10%)		Lux.at 2Meters		Certificate	PF	THD
						T	F	T	F	T	F			
1	GL-T8-VI-06-PW/WW/NW-F/T-I	SMD2835/55pcs	11.0W	2900-6500K	Ra>80	80lm/W	70lm/W	850lm	750lm	70lx	50lx	ETL/TUV/CE	>0.90	<20
2	GL-T8-VI-09-PW/WW/NW-F/T-I	SMD2835/84pcs	16.0W	2900-6500K	Ra>80	80lm/W	70lm/W	1250lm	1100lm	105lx	75lx	ETL/TUV/CE	>0.90	<20
3	GL-T8-VI-12-PW/WW/NW-F/T-I	SMD2835/120pcs	21.0W	2900-6500K	Ra>80	80lm/W	70lm/W	1700lm	1500lm	140lx	100lx	ETL/TUV/CE	>0.90	<20
4	GL-T8-VI-15-PW/WW/NW-F/T-I	SMD2835/144pcs	26.0W	2900-6500K	Ra>80	80lm/W	70lm/W	2100lm	1900lm	175lx	125lx	ETL/TUV/CE	>0.90	<20
5	GL-T8-VI-18-PW/WW/NW-F/T-I	SMD2835/168pcs	32.0W	2900-6500K	Ra>80	80lm/W	70lm/W	2550lm	2250lm	210lx	150lx	ETL/TUV/CE	>0.90	<20
6	GL-T8-VI-24-PW/WW/NW-F/T-I	SMD2835/240pcs	42.0W	2900-6500K	Ra>80	80lm/W	70lm/W	3400lm	3000lm	280lx	200lx	ETL/TUV/CE	>0.90	<20

Note : T= Transparent cover F= Frosted cover I=isolate

Series V: Super bright Series,ETL/TUV/CE certificated

No.	Part No.	Led type/ Qty.	Power (incl.driver)	CCT	CRI	Light Efficiency(±10%)		LM(±10%)		Lux.at 2Meters		Certificate	PF	THD
						T	F	T	F	T	F			
1	GL-T8-V-06-PW/WW/NW-F/T-I	SMD2835/55pcs	11.0W	2900-6500K	Ra>70	95lm/W	85lm/W	1050lm	930lm	90lx	70lx	ETL/TUV/CE	>0.90	<20
2	GL-T8-V-09-PW/WW/NW-F/T-I	SMD2835/84pcs	16.0W	2900-6500K	Ra>70	95lm/W	85lm/W	1520lm	1360lm	135lx	105lx	ETL/TUV/CE	>0.90	<20
3	GL-T8-V-12-PW/WW/NW-F/T-I	SMD2835/120pcs	21.0W	2900-6500K	Ra>70	95lm/W	85lm/W	1990lm	1780lm	180lx	140lx	ETL/TUV/CE	>0.90	<20
4	GL-T8-V-15-PW/WW/NW-F/T-I	SMD2835/144pcs	26.0W	2900-6500K	Ra>70	95lm/W	85lm/W	2470lm	2210lm	225lx	175lx	ETL/TUV/CE	>0.90	<20
5	GL-T8-V-18-PW/WW/NW-F/T-I	SMD2835/168pcs	32.0W	2900-6500K	Ra>70	95lm/W	85lm/W	3040lm	2720lm	270lx	210lx	ETL/TUV/CE	>0.90	<20
6	GL-T8-V-24-PW/WW/NW-F/T-I	SMD2835/240pcs	42.0W	2900-6500K	Ra>70	95lm/W	85lm/W	3990lm	3570lm	360lx	280lx	ETL/TUV/CE	>0.90	<20

Note : T= Transparent cover F= Frosted cover I=isolate

Series V : Non-isolated driver ,voltage at two ends

No.	Part No.	Led type/ Qty.	Power (incl.driver)	CCT	CRI	Light Efficiency(±10%)		LM(±10%)		Lux.at 2Meters		P F	THD
						T	F	T	F	T	F		
1	GL-T8-V-06-PW/WW/NW-F/T-N	SMD2835/54pcs	11.0W	2900-6500K	Ra>70	100lm/W	90lm/W	1100lm	1000lm	75lx	55lx	>0.90	<20
2	GL-T8-V-12-PW/WW/NW-F/T-N	SMD2835/120pcs	21.0W	2900-6500K	Ra>70	100lm/W	90lm/W	2200lm	2000lm	150lx	110lx	>0.90	<20

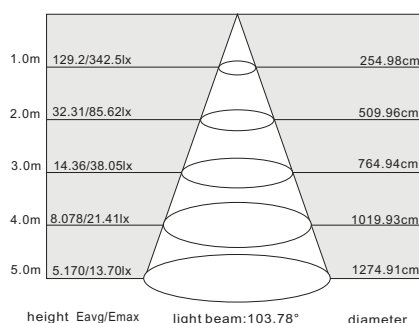
Note : T= Transparent cover F= Frosted cover N=non-isolate

Packing details

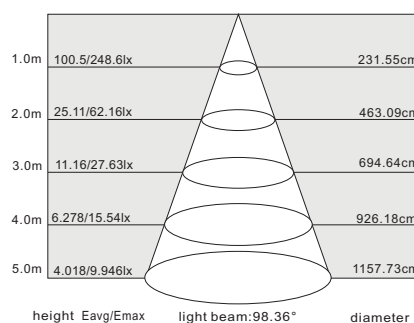
No.	Part No.	N.W.(±5g)		Inner box dimension	Inner box weight(±5g)	Qty.	Outer box dimension	G.W.(±0.2Kg)	
		Series I / Series II	Series III+ IV					Series I / Series II	Series III+IV
1	GL-T8-06-PW/WW/NW-F/T	200g	185g	632*41*41mm	125g	25pcs/ carton	647*220*244mm	8.5Kg	8.0Kg
2	GL-T8-09-PW/WW/NW-F/T	270g	255g	937*41*41mm	175g	25pcs/ carton	952*220*244mm	11.5Kg	11.0Kg
3	GL-T8-12-PW/WW/NW-F/T	335g	320g	1242*41*41mm	220g	25pcs/ carton	1257*220*244mm	14.0Kg	13.5Kg
4	GL-T8-15-PW/WW/NW-F/T	425g	410g	1542*41*41mm	270g	25pcs/ carton	1557*220*244mm	18.0Kg	17.5Kg
5	GL-T8-18-PW/WW/NW-F/T	545g	510g	1806*41*41mm	330g	25pcs/ carton	1826*220*244mm	22.0Kg	21.2Kg
6	GL-T8-24-PW/WW/NW-F/T	660g	630g	2417*41*41mm	415g	25pcs/ carton	2437*220*244mm	27.0Kg	26.0Kg

Note : T= Transparent cover F= Frosted cover

VI. Illumination Distribution Drawing



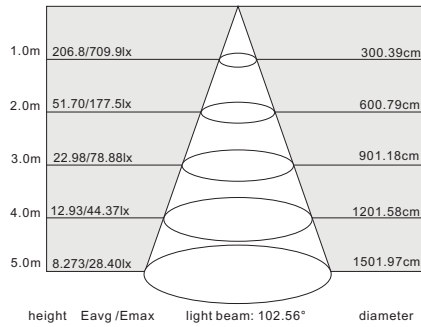
GL-T8-V-06-PW-T-I, test environment: Ta= 25.3°C RH=65%



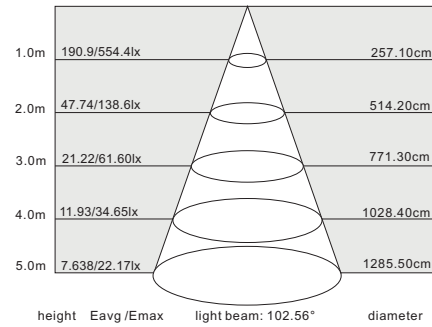
GL-T8-V-06-PW-F-I, test environment: Ta= 25.3°C RH=65%

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VI. Illumination Distribution Drawing

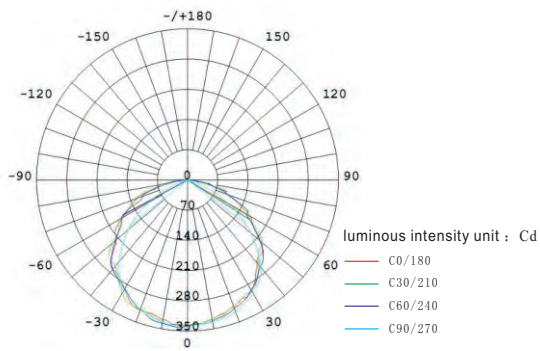


GL-T8-V-12-PW-T-I, test environment: Ta= 25.3°C RH=65%

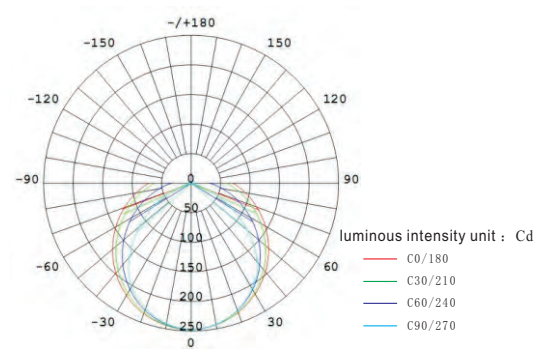


GL-T8-V-12-PW-F-I, test environment: Ta= 25.3°C RH=65%

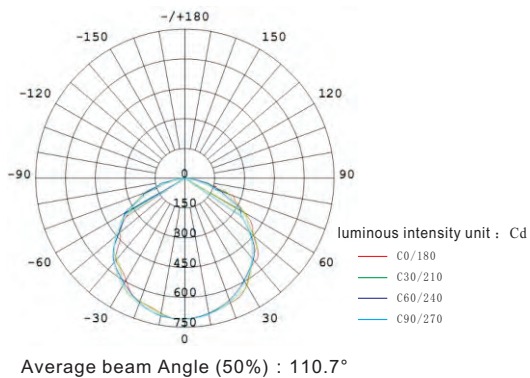
VII. Light distribution curve



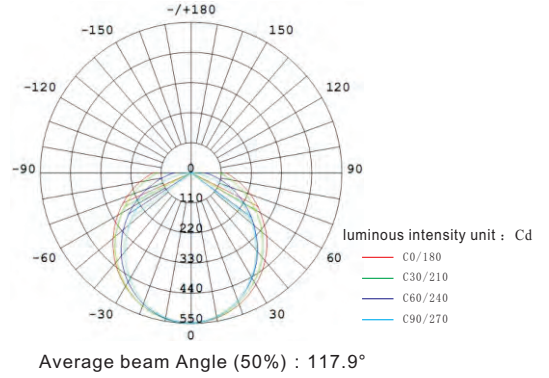
GL-T8-V-06-PW-T-I, test environment: Ta= 25.3°C RH=65%



GL-T8-V-06-PW-F-I, test environment: Ta= 25.3°C RH=65%



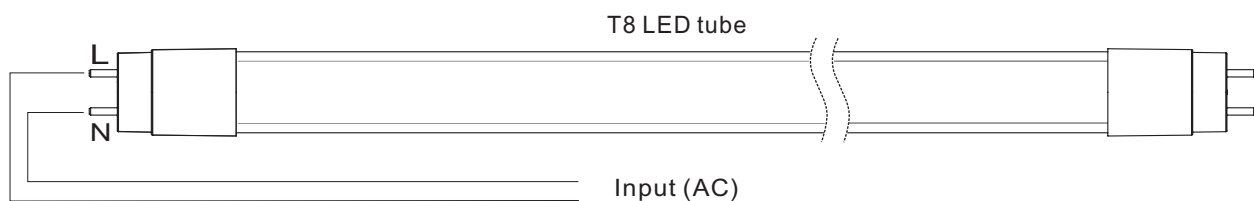
GL-T8-V-12-PW-T-I, test environment: Ta= 25.3°C RH=65%



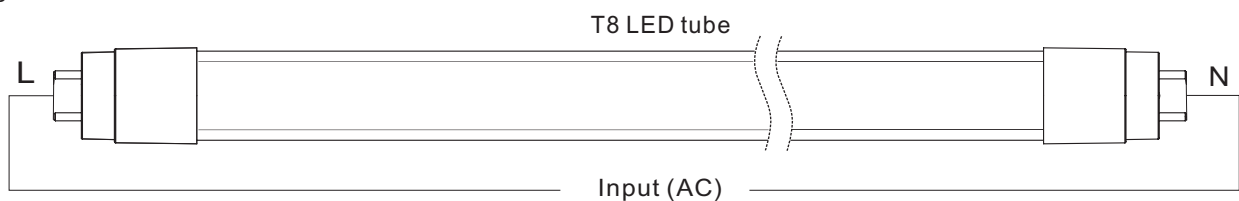
GL-T8-V-12-PW-F-I, test environment: Ta= 25.3°C RH=65%

VIII. Installation Diagram

Voltage at one end



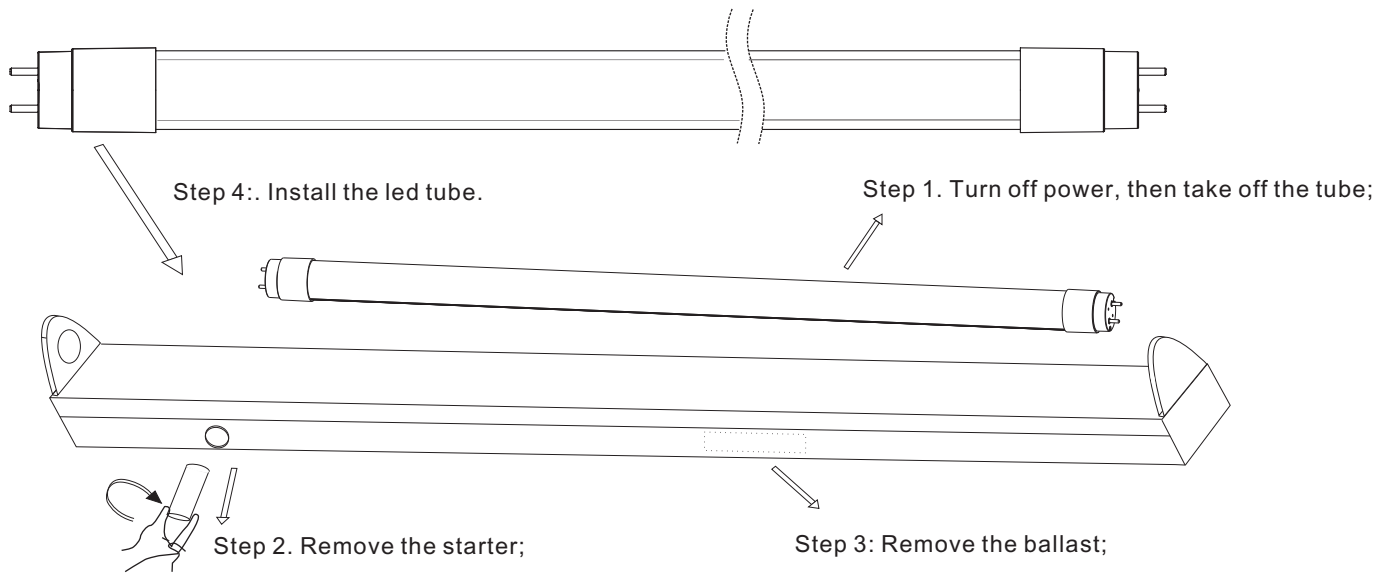
Voltage at both ends



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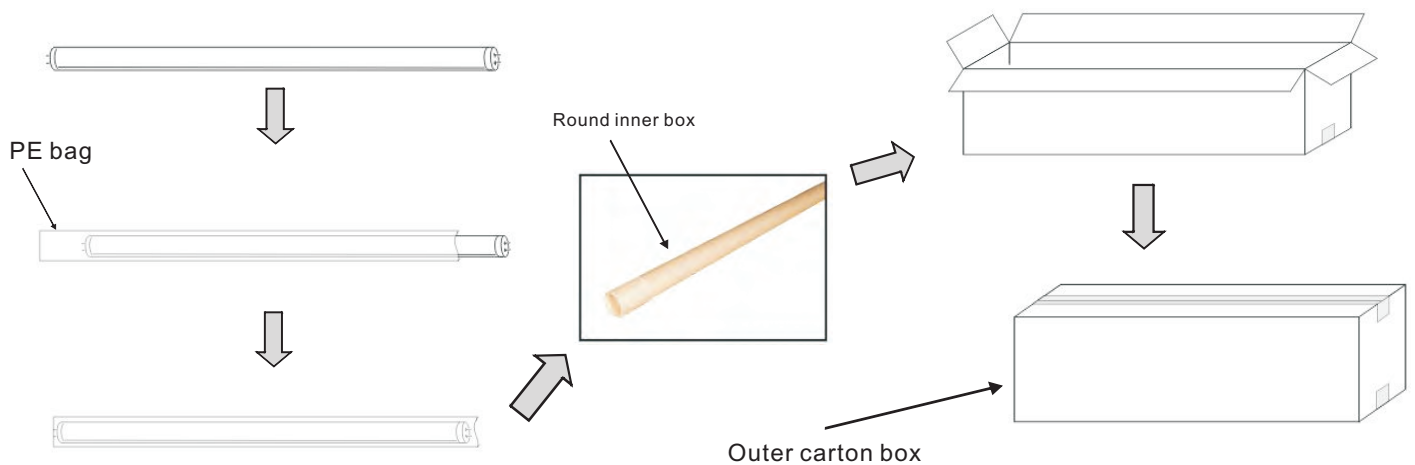
VIII. Installation Diagram

□ Replace fluorescent tube



Note : This installation method only suit for LED tube with voltage at both ends.

IX. Package detail



X. Note:

1. When installation, try to avoid the minefields, strong magnetic field and high-pressure region;
2. Ensuring a solid connection correctly in order to avoid short-circuit damage to components and trigger fires;
3. Installed in a well-ventilated place to ensure appropriate environmental temperature;
4. Using this product, please check the local voltage compliance product requirements;
5. To prohibit the live wiring, check to confirm wiring is correct, check the no short-circuit, and then power;
6. In case of failures, do not maintenance in private.

