



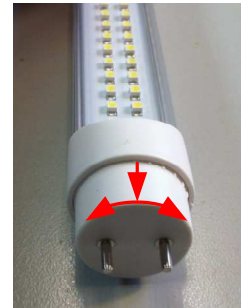
LED Tube Characteristics

- Super energy saving and durable
- HG free avoid the poisonous materials
- UV free no harmful to the skin
- No flash to protect the eyes
- Low maintenance cost

Product Advantages

- Super bright and till 70% energy-saving
- Thin (D26mm) in size and light in weight (460g with 1500mm tube))
- Isolating power supply, constant LED forwarder current, wide voltage range
- Turnable end cap for different light emitting directions(180°)
- Easy for maintenance and replacement. Replacable power supply
- TUV, UL, CE, RoHS approved.

EN55015, EN61000, EN61547, EN60968 and photobiology safety IEC62471



Draw and rotatable caps



- BAUART GEPRÜFT
- TYPE APPROVED

Type	Size and Power	Color Temper.	Cover	Others
T82X10-168	600x26mm, 10W	WarmWhite 3000K Neutral white 5000K Cool white 6500K	Transparent Striped Frosted	30pcs/carton, 168pcs 3528 SMD LED
T84X18-288	1200x26mm, 18W	WarmWhite 3000K Neutral white 5000K Cool white 6500K	Transparent Striped Frosted	25pcs/carton, 288pcs type 3528 SMD LED
T85X22-408	1500x26mm, 22W	WarmWhite 3000K Neutral white 5000K Cool white 6500K	Transparent Striped Frosted	25pcs/carton, 408pcs type 3528 SMD LED
T85X30-528	1500x26mm, 30W External power supply	WarmWhite 3000K Neutral white 5000K Cool white 6500K	Transparent Striped Frosted	25pcs/carton, 528pcs type 3528 SMD LED

Standard guarantee: 2 years.



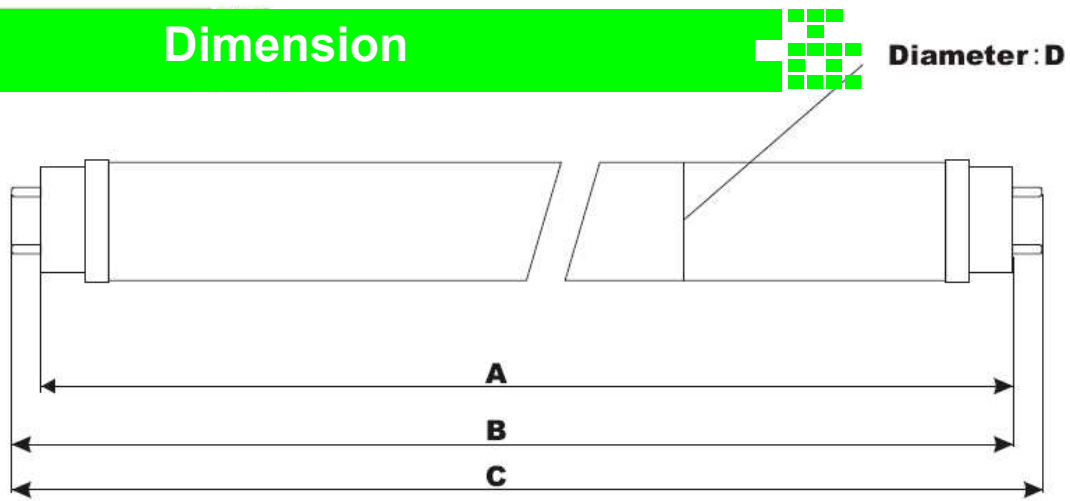
Absolute Maximum Rating At Ta=25°C

Parameter	Symbol	Absolute Maximum rating	Unit
Input voltage	V	AC100-240V	V
Operating voltage	V	DC36-40V	V
Operating current	mA	17	mA
Electrostatic discharge	ESD	1500	V
Operating temperature	Topr	-20 -- +50	°C
Storage temperature	Tstg	-30 -- +50	°C

Technical Data/Electrical Characters at Ta=25°C

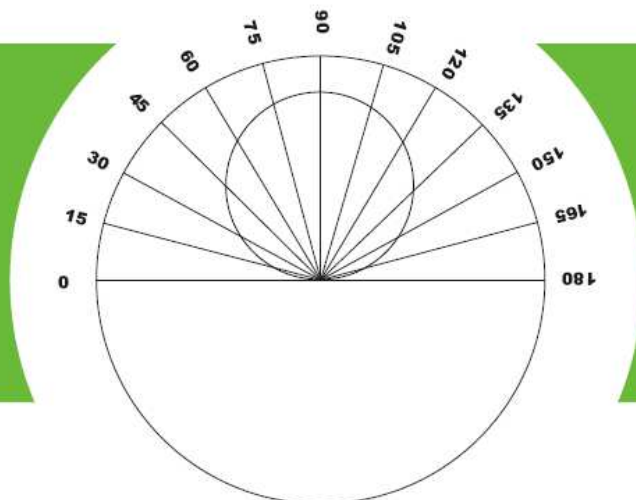
Item	Symbol	L=600x26mm	900mm	1200x26mm	1500x26mm
Rated power	W	10W	11W	18W	22W
LED QTY	PCS	168	192	288	408
Luminous flux	Lm	950	1045	1710	2090
Efficiency	Lm/W	95	95	95	95
Comparable conventional	W	25W	30W	30W	55W
LED forward current	mA	17mA			
Input voltage	V	AC 100V-240V			
Color temperature	K	Warm white/Normal white/Cool white, 3000-6500K, default: 5500K			
CRI	Ra	Typ. 70			
Viewing angle	Degree	120°			
Power factor		0,92			
Energy saving		About 70%			
Lifetime	hours	30,000 – 50,000			

Dimension



Dimension in mm

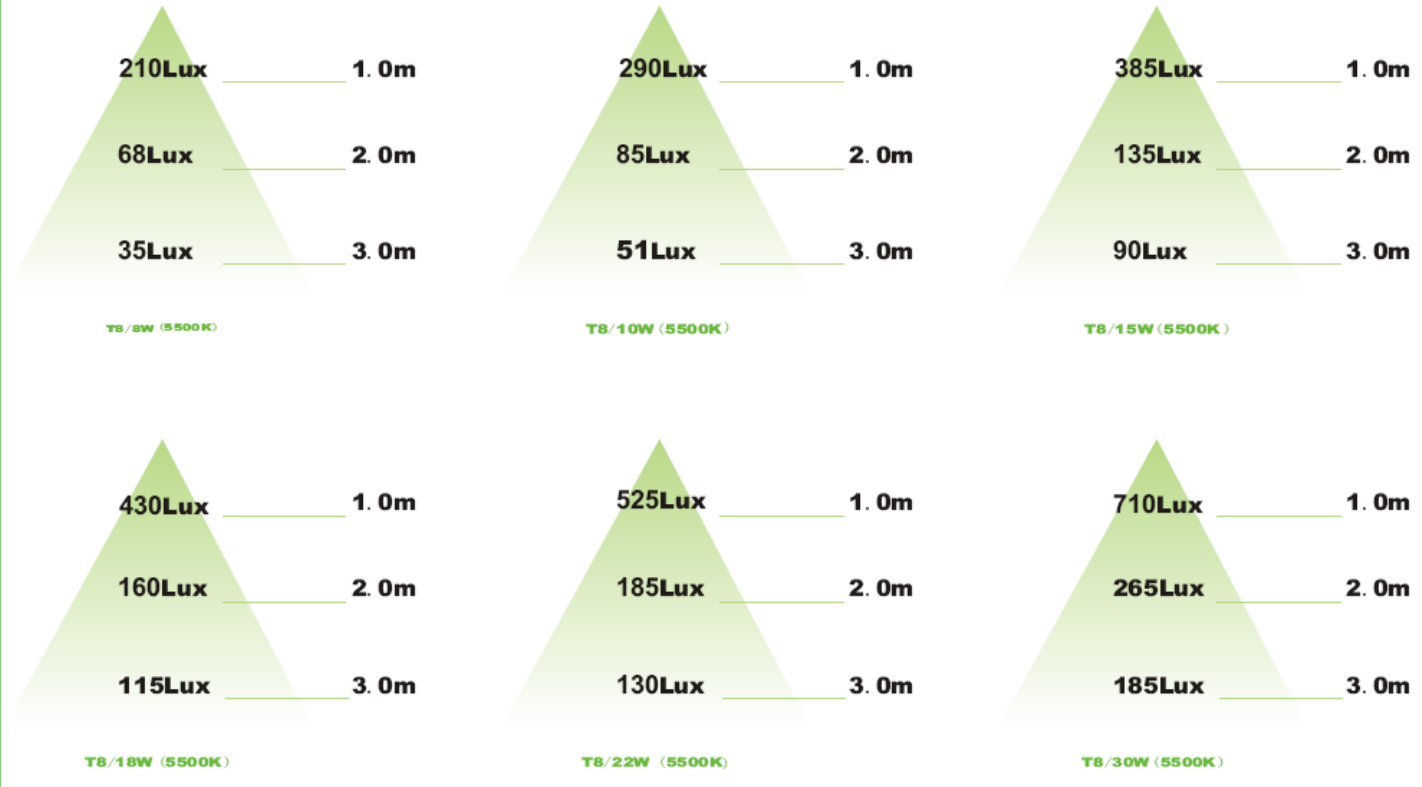
ITEM	UNIT	A (MIN)	A (MAX)	B (MIN)	B (MAX)	C (MAX)	D (MAX)
2Ft/600	mm	589	590	597	597.5	604	31
3Ft/900	mm	894	895	900.8	901.3	908.8	31
4Ft/1200	mm	1198	1199	1206	1213.6	1213.6	31
5Ft/1500	mm	1499	1500	1507	1514.2	1514.2	31
6Ft/1800	mm	1759	1760	1767	1774	1774	31



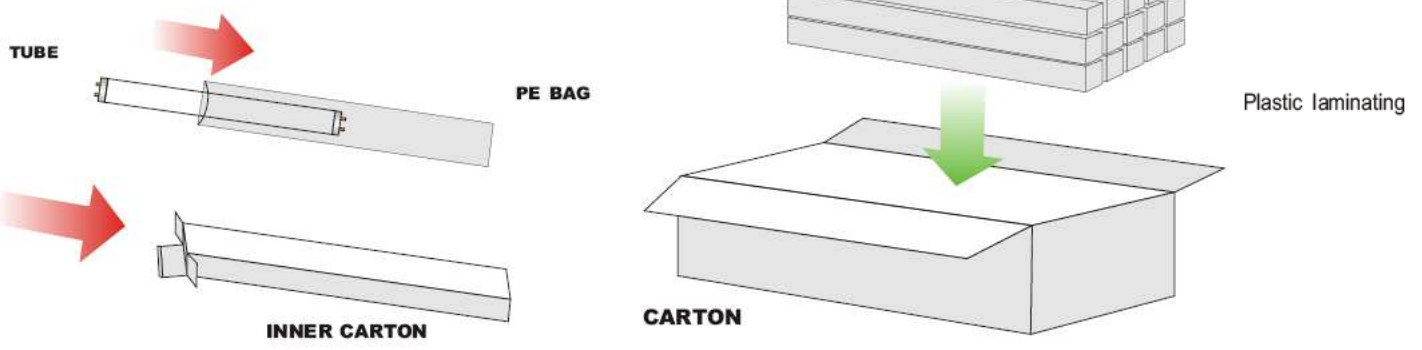
Viewing Angle

LUX DATA

.IES photometric data is available



Package



ITEM	CARTON SIZE	QTY/CARTON	NET WEIGHT	GROSS WEIGHT
L=600MM	670*280*220mm	30	5.0KG	7.0 KG
L=1200MM	1260*230*220mm	25	9.2KG	12.0 KG
L=1500MM	1560*230*220mm	25	11.5KG	14.0 KG



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Installation Instruction



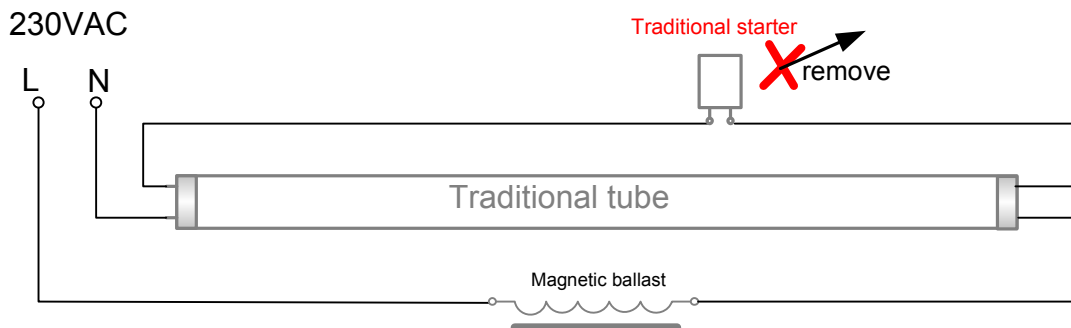
To comply with the new regulation of European standard EN60598 and avoid the risk of electric shock during mounting the free-end connector of the SparTube might be live, please connect the our LED as below:

Variant 1: new installation without ballast (recommended)

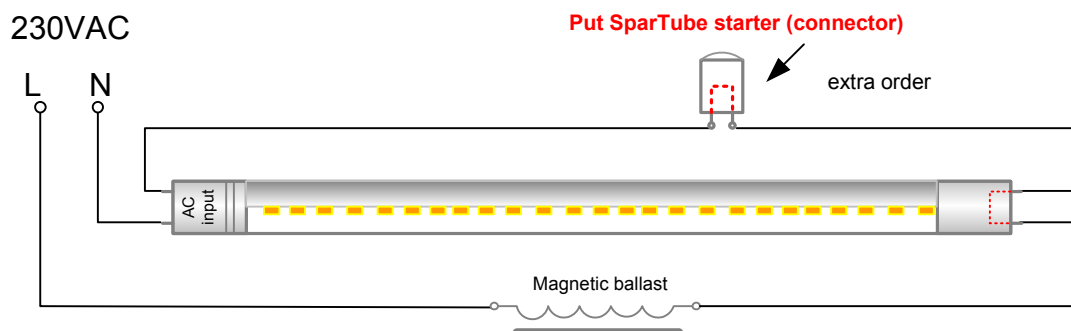


Input 230VAC power in one side. No extract magnetic or electronic ballast is needed.

Variant 2: based on existing magnetic ballast fixtures



Step 1



Step 2