

S501-S200 series T5 LED Tube
High efficiency | Wattage switchable

200lm/w



Specification

Factory P/N: SL-S501-S200

Version No.: Ver 02

Date: 2020.08.19

Client approval	Approval	Approval	Confirmation



Applications

- ◆ Indoor illumination at $-20^{\circ} \sim +48^{\circ} \text{ C}$
- ◆ Living area illumination
- ◆ Office area illumination
- ◆ Workshop area illumination
- ◆ Parking lot & hotel area illumination
- ◆ Super market & grocery store illumination



Benefits

- ◆ A6063 aluminum material with excellent heat dissipation, not easy to deform
- ◆ SPD 3KV, effectively prevent the tube from being damaged by on-off switch or instant high voltage
- ◆ Special coating to avoid aluminum exposure
- ◆ Optimal energy conversion, much lower temperature
- ◆ Suitable for lower ambient temperature using

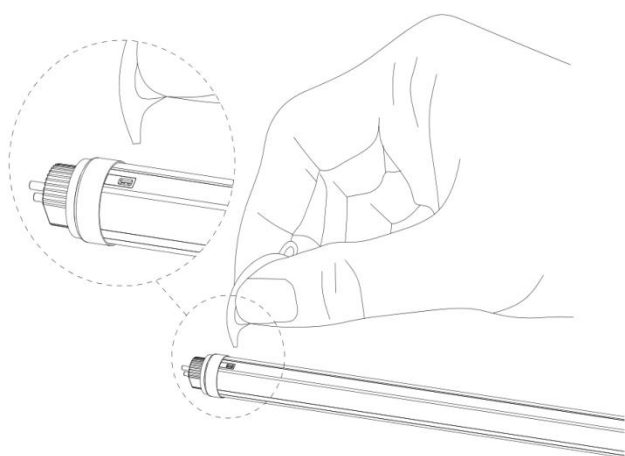


Diagram of code switch for power adjustment

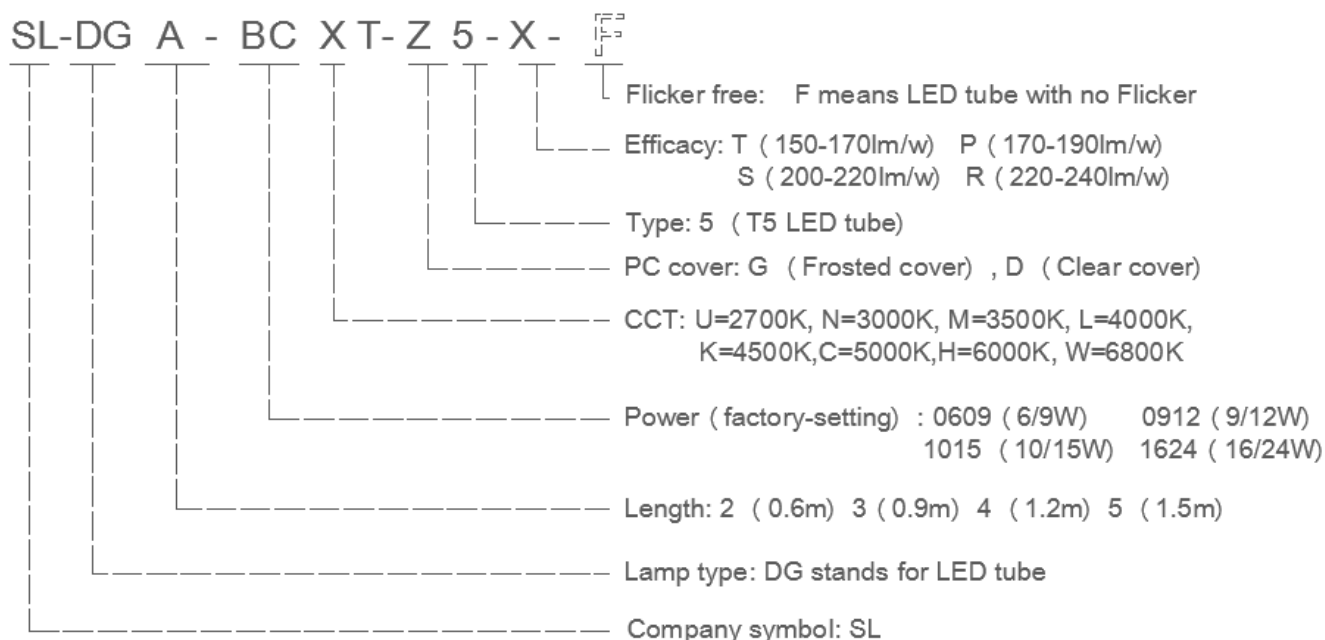
0.6M	☐ 6W ☐ 9W	0.9M	☐ 9W ☐ 12W
1.2M	☐ 10W ☐ 15W	1.2M	☐ 16W ☐ 24W
1.5M	☐ 16W ☐ 24W	1.5M	☐ 20W ☐ 24W

Features

- ◆ Safer and more reliable, leading technology
- ◆ Greener and more energy saving, durable structure
- ◆ Higher efficacy to save much more energy
- ◆ Longer Lifespan for very less heat

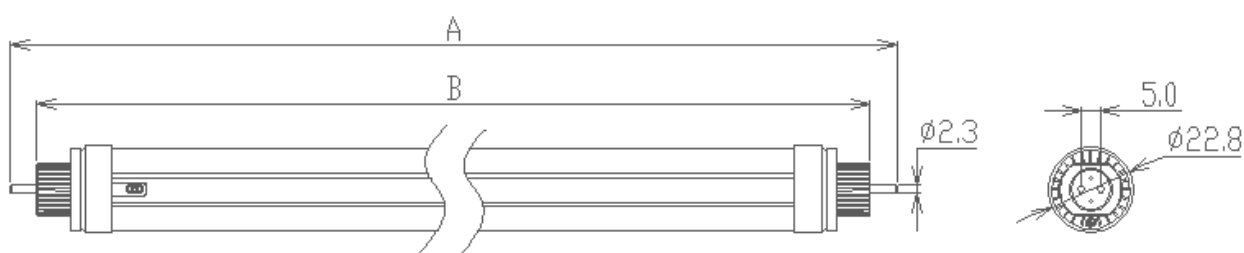
■ Model number naming rules:

S501 series Tube



— This series of products are all named according to the above rules —

■ Product Dimension:



	0.6m	0.9m	1.2m	1.5m
A	563mm	863mm	1163mm	1463mm
B	548mm	848mm	1148mm	1448mm

■ Basic technical parameters

Product Length	0.6m	1.2m			1.5m
Rated Power Switchable	6W	15W	18W	20W	16W
Efficacy	200LM/W				
Rated current	0.5A				
PF	0.92				
CCT	3000K / 4000K / 5000K / 5700K /6000K/ 6500K				
CRI	≥80				
Beam angle	Clear cover 120° / Frosted cover 140°				
Start time	< 0.5S				
Heating time	0.5 hours (heating 60%)				
Dimmable	NO				

■ Life Time:

Nominal Lifespan	100000H
Rated Lifespan	100000H
Turn on-off Times	40000
Luminous flux maintenance rate	> 70%

■ Certificate/Standard:

IP level	IP20
Certificates	TUV-CE/SAA/CE/RoHS/LM79
Energy efficiency rating	A++
Energy consumption	> 70%

■ Reliability tests

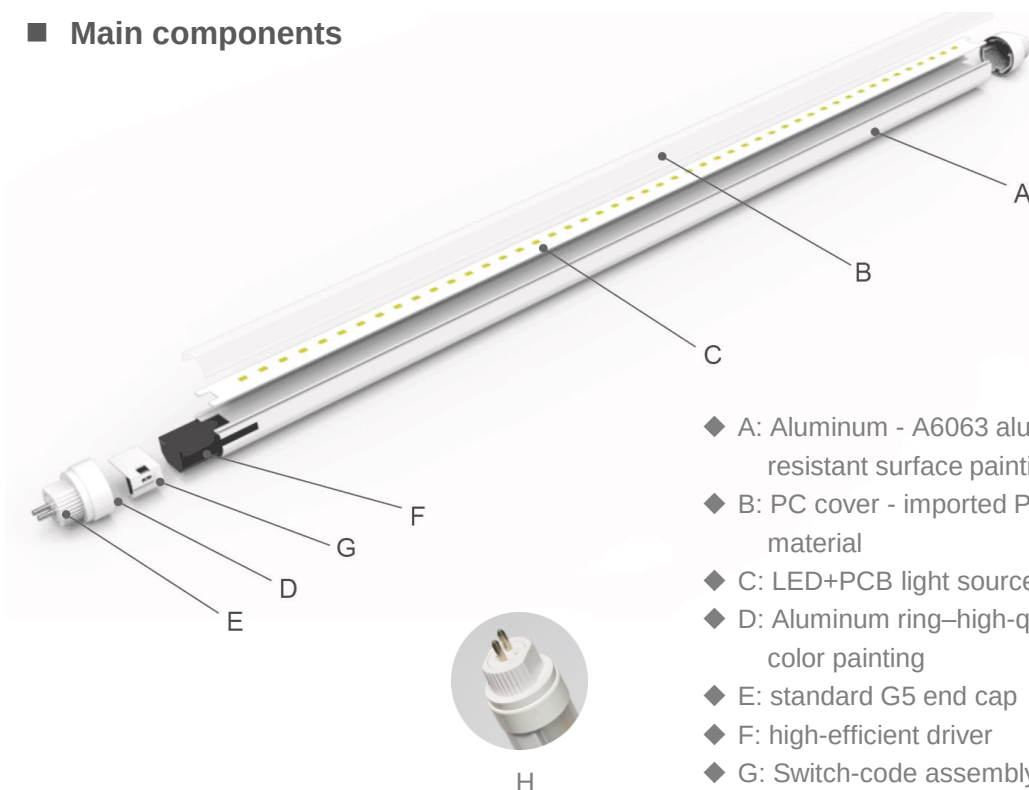
	Equipment	Standard	Time/times	Sampling QTY	Result
High temperature	High-low Temp Chamber	IEC60068-2-2	24H	10	OK
Low temperature	High-low Temp Chamber	IEC60068-2-2	24H	10	OK
High-Low Temp.	High-low Temp Chamber	IEC60068-2-38	24H	10	OK
Drop test	Drop test stand	IEC60068-2-32	10 times	6	OK
Vibration	Vibration tester	IEC60068-2-64	30min	6	OK
Impact test	AC power supply/relay	Normal temp/volt	on 30s/off 30s 10000 times	6	OK
Adhesion test	Knife/Tape	GBT9286-1998	10 times	10	OK



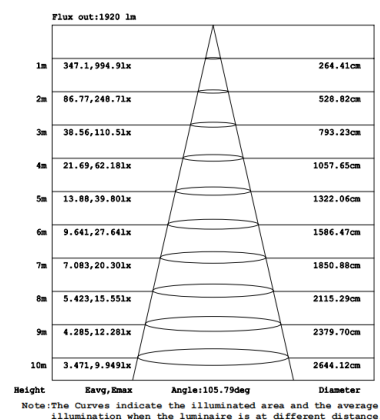
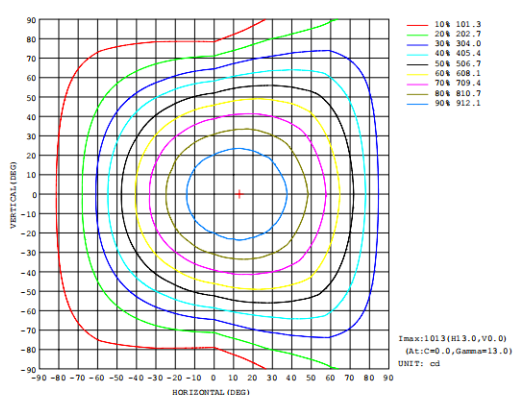
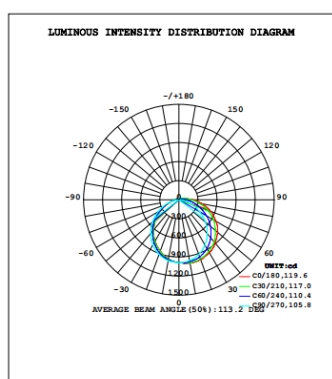
■ Detailed parameters

Main model	SL-DG2-0606XT-G5-S-F	SL-DG4-1515XT-G5-S-F	SL-DG4-1818XT-G5-S-F	SL-DG4-2020XT-G5-S-F	SL-DG5-1616XT-G5-S-F
Power:	6W	15W	18W	20W	16W
Luminous flux:	1200LM	3000LM	3600LM	4000LM	3200LM
CCT:	3000K/4000K/5000K/5700K/6000K/6500K				
Input Volt:	AC100-240V				
Frequency:	50/60Hz				
CRI:	≥80				
PF:	0.92				

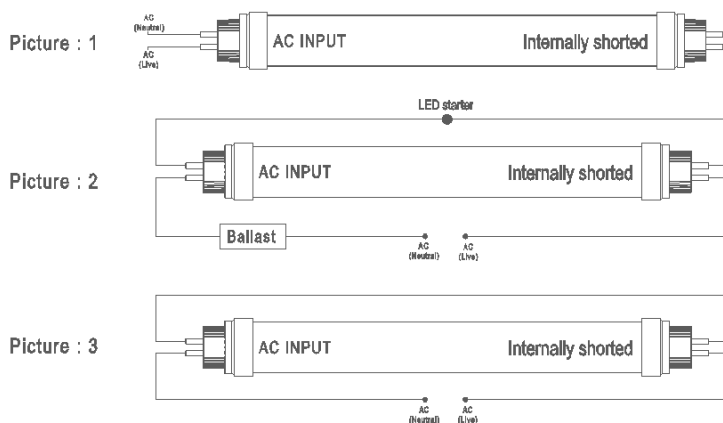
■ Main components



■ Optical parameter diagram



■ Standard power connection:



◆ Installation

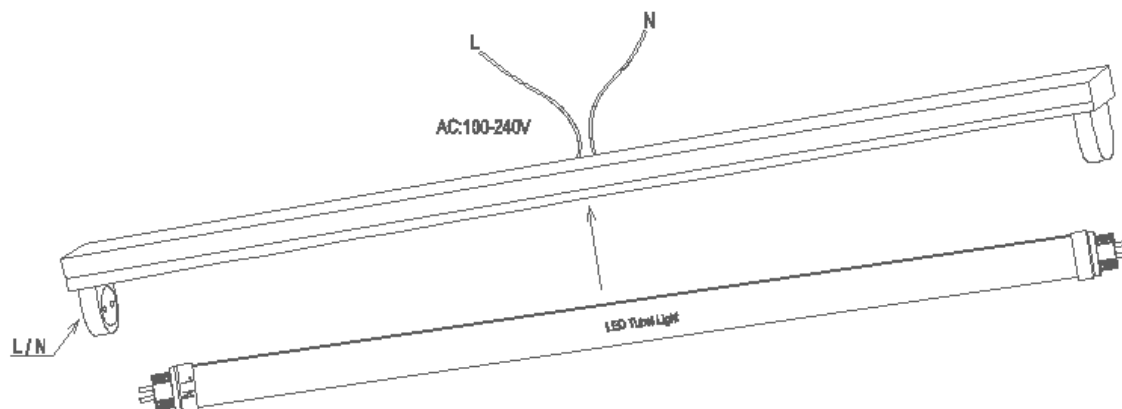
WARNING: Do not connect mains to “internally shorted” end! follow picture 1.

Magnetic ballast retrofit: remove starter and replace with a LED starter, follow picture 2.

Electronic ballast: remove ballast from the circuit, **WARNING!** Only a trained electrician can do this modification! follow picture 3

— rated input voltage AC100-240V —

■ Installation and precautions:



Installation steps:

- ◆ Turn off the power before installation
- ◆ Make sure the working circuit conforms to the schematic diagram of the product or modify the circuit according to the power connection schematic diagram.
- ◆ Confirm the live end of the lamp holder, the other end cannot be connected to live line, and confirm which is the input end of the lamp.
- ◆ When the tube has a label with a clear AC input mark in one end and another end is short-circuit end, then the short-circuit end cannot be connected to the power inlet of the bracket.
- ◆ Install the tube in the bracket correctly and check whether it has been installed properly.
- ◆ Close the power switch to energize after above steps all finished

Precautions:

- ◆ Make sure to disconnect the power supply before installing or removing the lamp
 - ◆ and use the lamp in the rated voltage range.
 - ◆ Indoor use only, do not use this product in high humidity or dusty environment.
 - ◆ Contact the professional maintenance staff to handle if there is any defection.
 - ◆ Do not look at the lamp for long time when the lamp is working,
 - ◆ because the high-brightness light source may cause eye discomfort or damage.
 - ◆ This lamp is a non-dimmable product, please do not use it with a dimmer.
 - ◆ The lamp should not be used near flammable objects
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- Warning: The lamp can't be covered by heat heat-proof pad or similar material.
 - Warning: To reduce the risk of fire and clicks, do not modify the external structure of the lamp (aluminum groove and end cover) and internal parts by yourself.
 - Warning: In order to reduce the risk of fire and clicks, the mechanics shall understand the electrical system if they need to install the lamp setting.
 - Warning: To prevent damage or abrasion of the wire, please do not expose the wire to the edge of a metal sheet or any other sharp objects.

■ ERP Labels

