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

200lm/w

SJOC retail Denmark

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° ~+48° 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

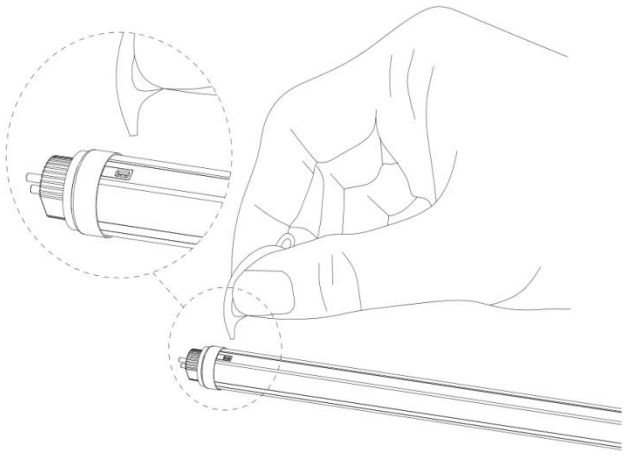
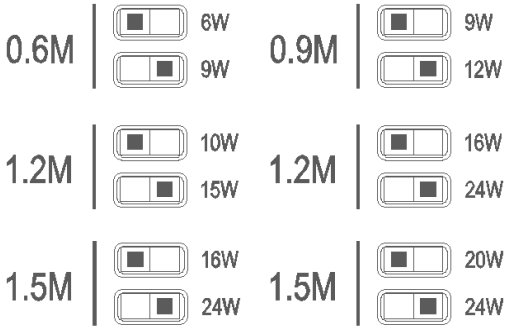


Diagram of code switch for power adjustment



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:

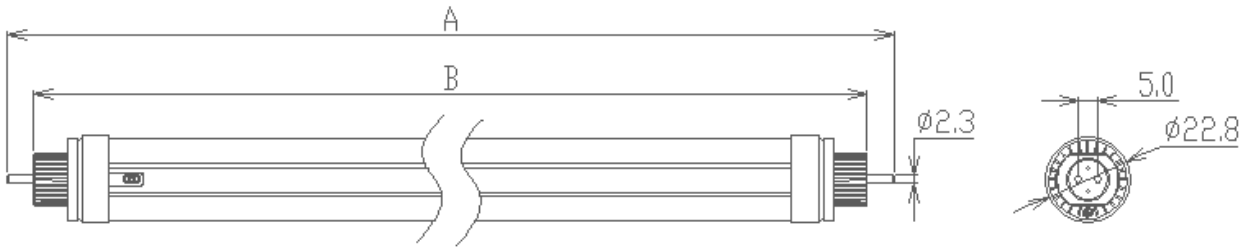
S501 series Tube

SL-DG A - BC X T- Z 5 - X - F

- F: Flicker free: F means LED tube with no Flicker
- X: Efficacy: T (150-170lm/w) P (170-190lm/w) S (200-220lm/w) R (220-240lm/w)
- 5: Type: 5 (T5 LED tube)
- Z: PC cover: G (Frosted cover) , D (Clear cover)
- T: CCT: U=2700K, N=3000K, M=3500K, L=4000K, K=4500K,C=5000K,H=6000K, W=6800K
- BC: Power (factory-setting) : 0609 (6/9W) 0912 (9/12W) 1015 (10/15W) 1624 (16/24W)
- A: Length: 2 (0.6m) 3 (0.9m) 4 (1.2m) 5 (1.5m)
- DG: Lamp type: DG stands for LED tube
- SL: Company symbol: SL

— 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%

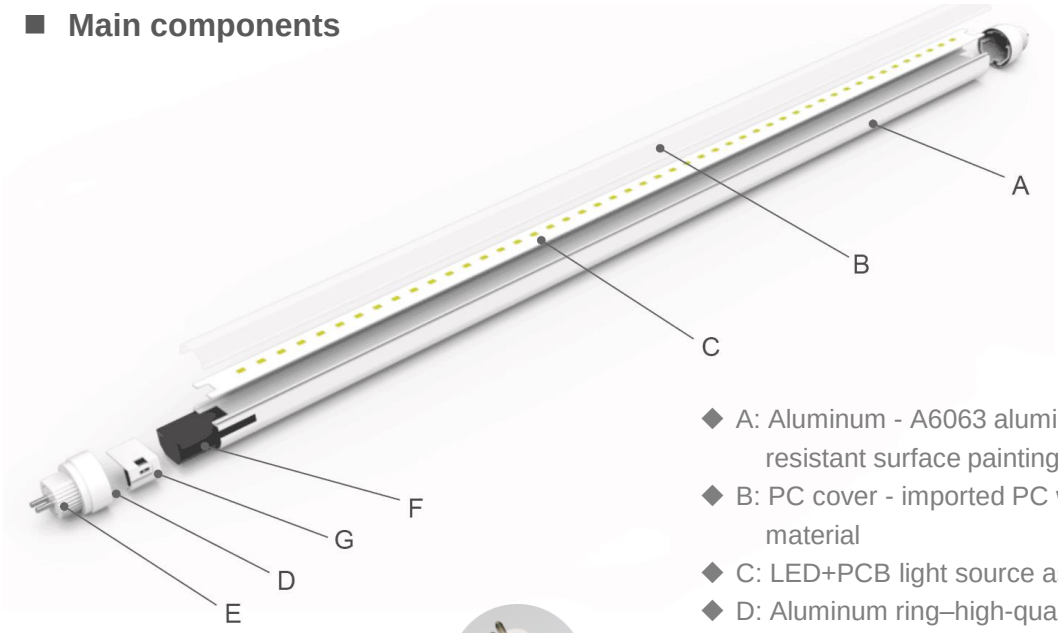
■ Reliability tests

	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				

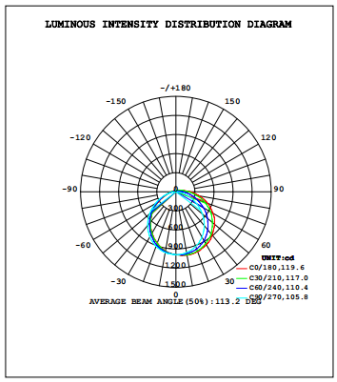
■ Main components

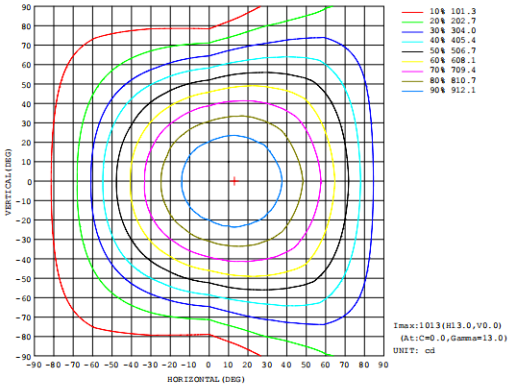


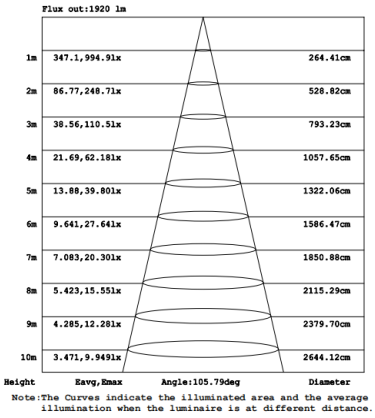
H

- ◆ A: Aluminum - A6063 aluminum with high temperature resistant surface painting
- ◆ B: PC cover - imported PC with high light transmission material
- ◆ C: LED+PCB light source assembly
- ◆ D: Aluminum ring–high-quality aluminum with white color painting
- ◆ E: standard G5 end cap
- ◆ F: high-efficient driver
- ◆ G: Switch-code assembly
- ◆ H: Rotatable end cap is optional

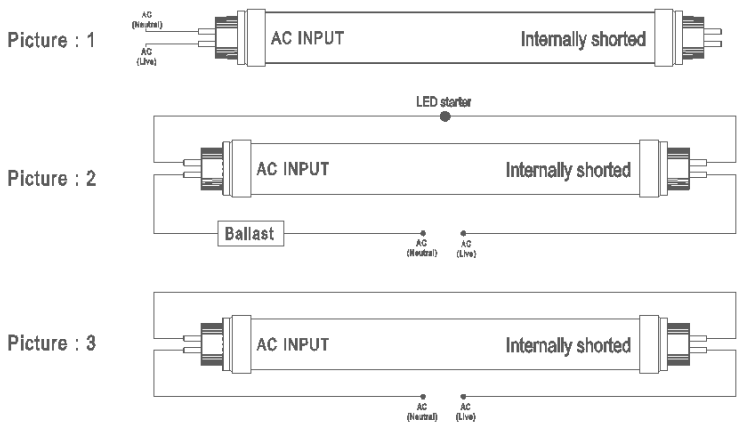
■ Optical parameter diagram







■ Standard power connection:



◆ Installation

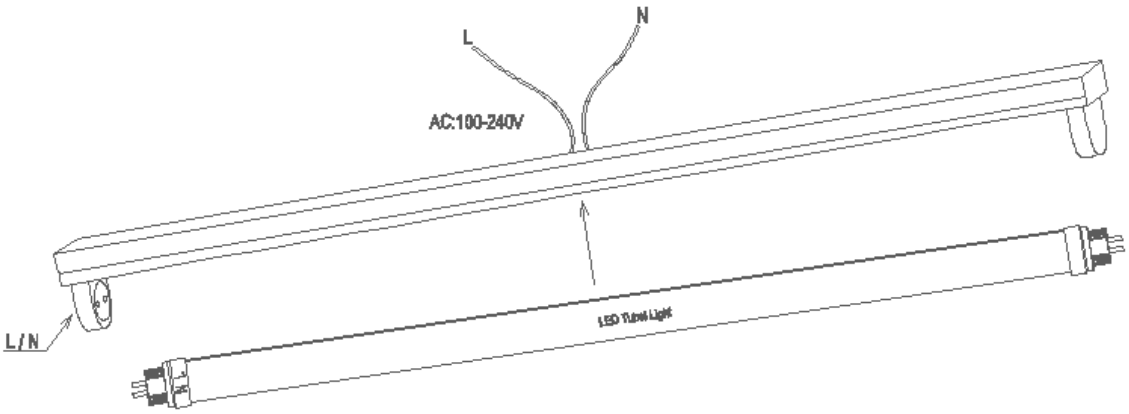
WARNING: Do not connect mains to “internally shortrd” end! follow picture 1.

Magnetic ballast retrofit: remove starter and replace with a LED starter, follow picture2.

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:

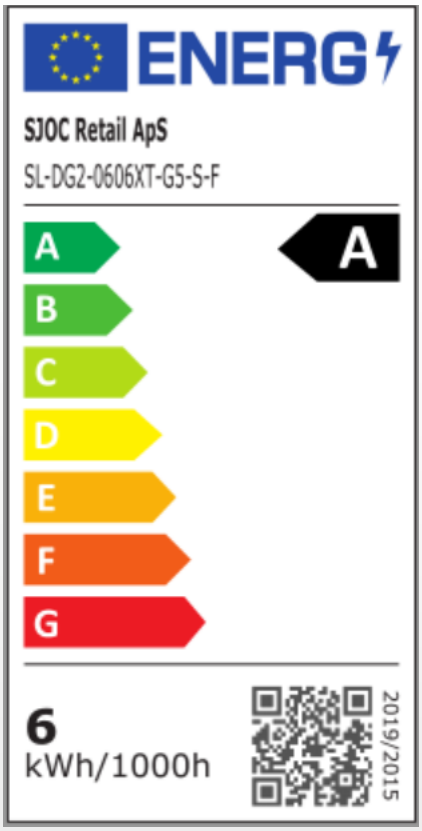
- ◆ Turn off the power before installation
- ◆ Make sure the working circuit conforms to the schematic diagram of the product or modify the circuit according to the power connection schematic diagram.
- ◆ Confirm the live end of the lamp holder, the other end cannot be connected to live line, and confirm 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

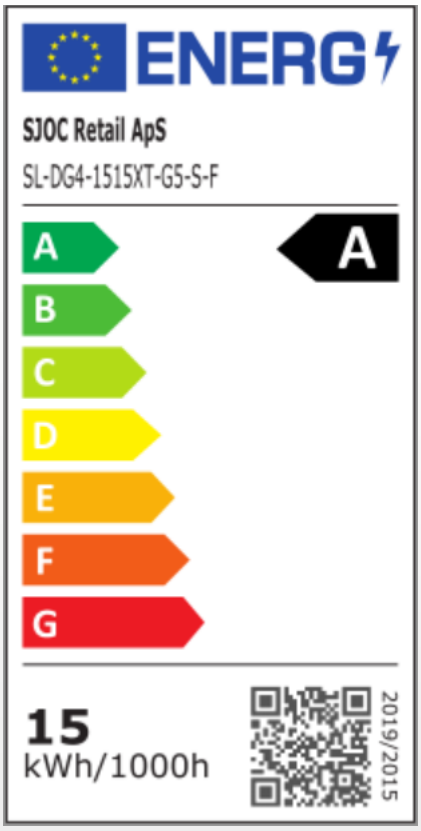
Precautions:

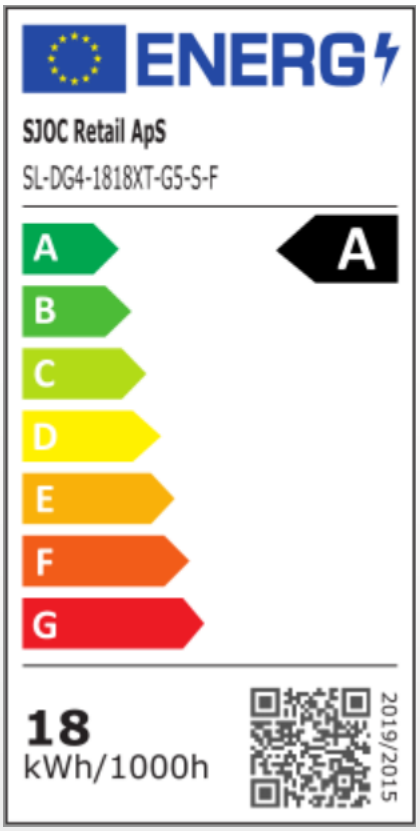
- ◆ Make sure to disconnect the power supply before installing or removing the lamp
- ◆ and use the lamp in the rated voltage range.
- ◆ Indoor use only, do not use this product in high humidity or dusty environment.
- ◆ Contact the professional maintenance staff to handle if there is any defection.
- ◆ 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

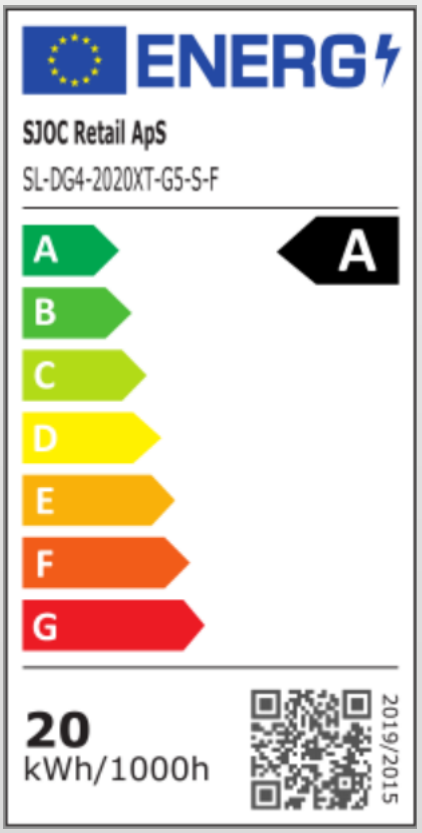
- ■ Warning: The lamp can't be covered by heat heat-proof pad or similar material.
- ■ Warning: To reduce the risk of fire and clicks, do not modify the external structure of the lamp (aluminum groove and end cover) and internal parts by yourself.
- ■ Warning: In order to reduce the risk of fire and 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.

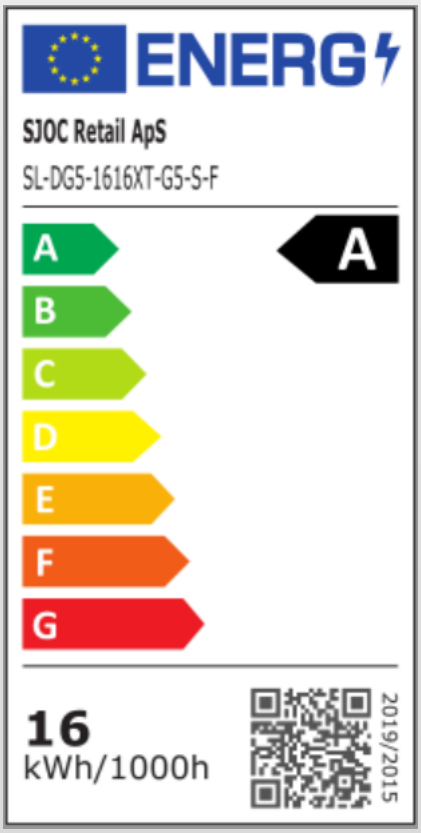
■ ERP Labels


ENERG
SJOC Retail ApS
SL-DG2-0606XT-G5-S-F
A
A
B
C
D
E
F
G
6
kWh/1000h
2019/2015


ENERG
SJOC Retail ApS
SL-DG4-1515XT-G5-S-F
A
A
B
C
D
E
F
G
15
kWh/1000h
2019/2015


ENERG
SJOC Retail ApS
SL-DG4-1818XT-G5-S-F
A
A
B
C
D
E
F
G
18
kWh/1000h
2019/2015


ENERG
SJOC Retail ApS
SL-DG4-2020XT-G5-S-F
A
A
B
C
D
E
F
G
20
kWh/1000h
2019/2015


ENERG
SJOC Retail ApS
SL-DG5-1616XT-G5-S-F
A
A
B
C
D
E
F
G
16
kWh/1000h
2019/2015