

# Specification

**Product Name:** T5 LED Tube lights

**ID Code:** LDN-T5-15018-FNW

LDN-T5-12016-FNW

LDN-T5-12027-FNW

LDN-T5-15026-FNW

LDN-T5-15037-FNW

Prepared	Audit	Approval
Release date		

## 1. Product Description

- Can work with most popular electronic ballasts, replacing existing fluorescent T5 lamps without any additional wiring; plug & play ;
- Glass cover & PC end-cap , with elegant appearance and comply with standard IEC 62776
- Comply with CE certification

## 2. Applications

- Parking lots and covered car parks;
- Industry lighting and factory;
- Supermarket and retail store;
- School, hospital and office lighting;



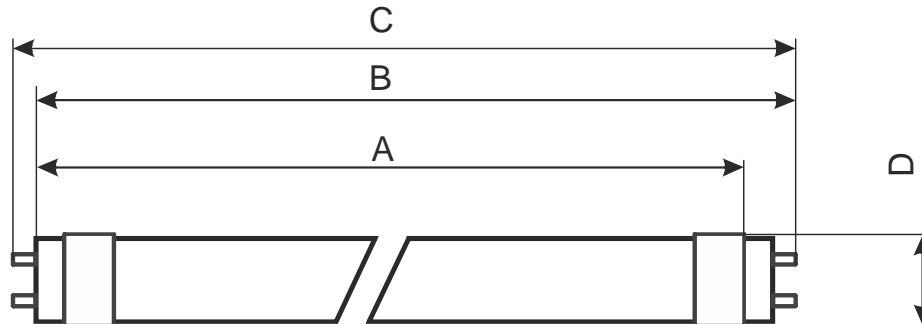
## 3. Product List

Product Name	Product Model	Lamp Power/w	Flux/lm	Efficiency of Lamp/(lm/w)	CCT/k	Ra	Beam Angle/°
T5 LED Tube lights	LDN-T5-12016-FNW	16	2400	150	830 840 865	80	210
T5 LED Tube lights	LDN-T5-12027-FNW	27	4100	150	830 840 865	80	210
T5 LED Tube lights	LDN-T5-15018-FNW	18.5	2800	150	830 840 865	80	210
T5 LED Tube lights	LDN-T5-15026-FNW	26	3950	150	830 840 865	80	210
T5 LED Tube lights	LDN-T5-15037-FNW	37	5600	150	830 840 865	80	210

## 4. Other Characteristics

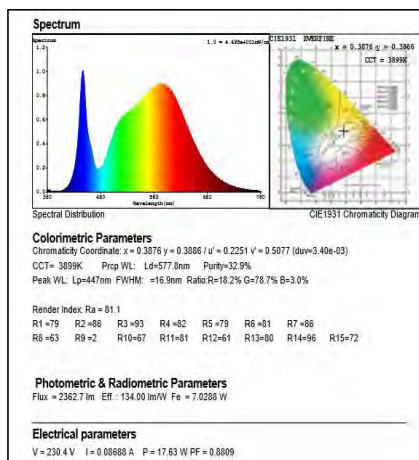
Item	Symbol	Unit	Rated Value
Input Voltage	U	v	220-240 VAC
Frequency	f	Hz	50-60
Power Factor	PF	-	>0.9
Total Harmonic Distortion	THD	%	<20%
Color Consistency	SDCM	-	4
Lifetime(L70/B50)	T	h	50000
Ambient Temperature Range	Ta	°C	-20 ~ 50
Storage Temperature	Ts	°C	-20 ~ 80
IP Protection	-	-	IP20

## 5.Product Dimension

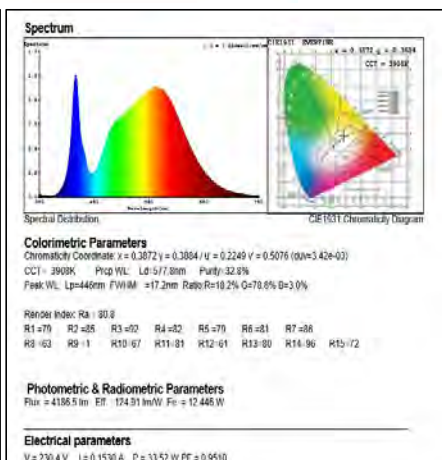


Size	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)	Cap
1200mm	1149	1153.7	1156.1	1163.2	Ø17	G5
1500mm	1449	1453.7	1456.1	1463.2	Ø17	G5

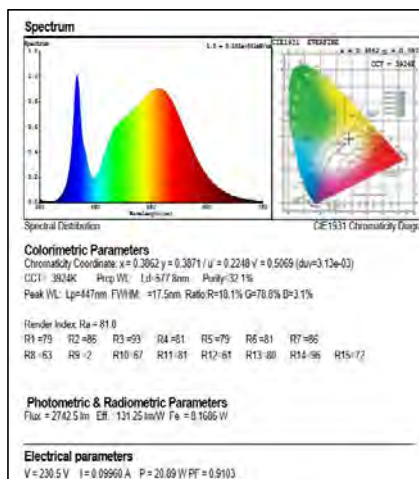
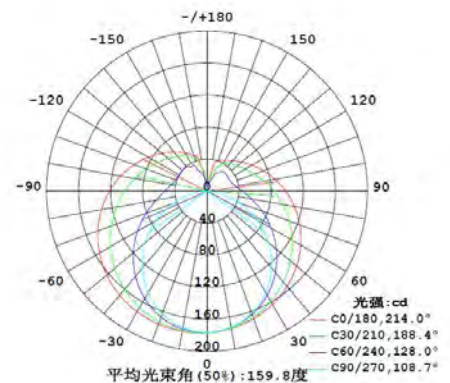
## 6.Light Distribution



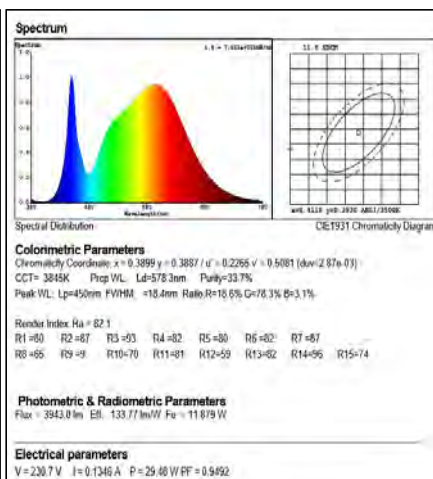
16W



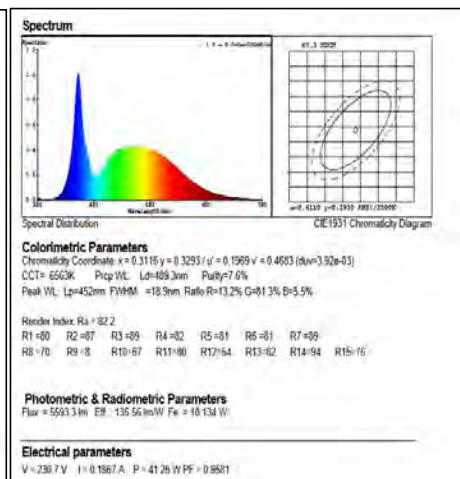
27W



18.5W



26W

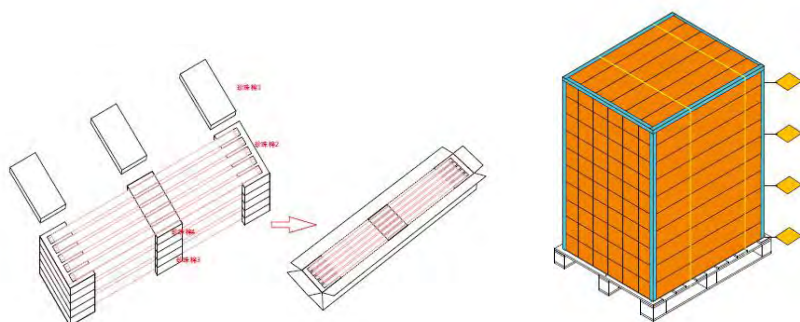


37W

## 7. Reliability Test

NO.	Item	Conditions
1	Temperature Cycle (TC)	Ta = -20 °C ... 50 °C (transfer time 1 h, holding time 1 h switching time 34 min on / 34 min off) 1000h
2	Temperature Humidity Bias (THB)	40 °C / 93 % RH , 1000h
3	Operation Life Test (OLT)	Ta = 25°C , lighting up , 1000h
4	Accelerate Operation Life test (ALT)	Ta = 60°C , lighting up , 1000h
5	Switch Cycles (SC)	5s on / 5s off , 1000h (36000 cycles)
6	High Temperature Storage (HTS)	Ta=80°C, 1000h
7	Low Temperature Storage (LTS)	Ta=-20°C, 1000h
8	Thermal Shock (TS)	Ta = -40 °C ... 125 ° Soak time: 15 min or longer, Transfer time: 20 s or shorter 50h
9	Vibration and Drop Test (with packaging)	10 ~ 200 Hz/5 min, 3G, X Y Z each 30min; <10 Kg: 105 cm , ≥10 Kg : 76 cm ; from 6 sides;

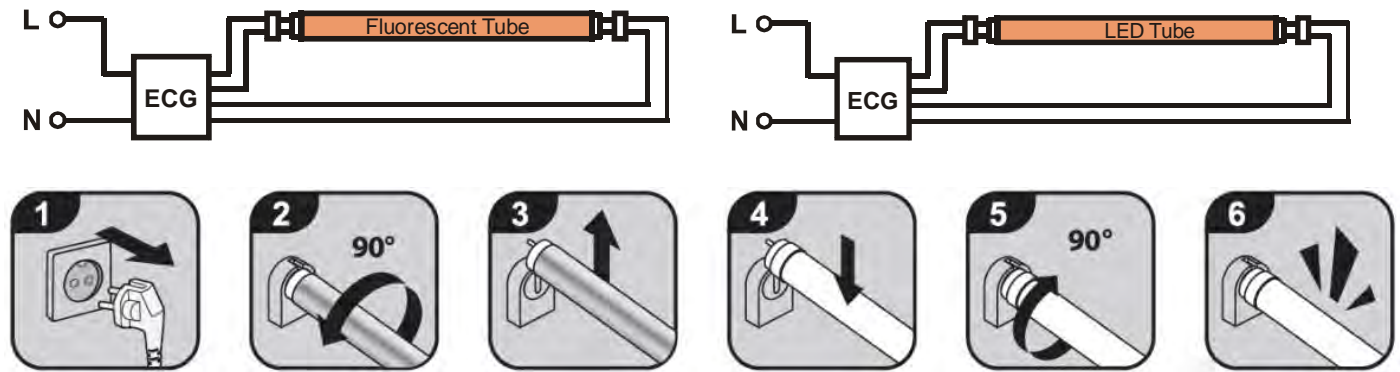
## 8. Packing Information



Size	QTY/CTN	N.W.	G.W.	CTN Dimension
● 1200mm	25	0.17kg	6.25kg	1218*152*158mm
● 1500mm	25	0.19kg	7.5kg	1518*152*158mm

## 9. Installation Instruction

ECG Compatible Installation Instructions:



1. Switch off electricity;
2. Detach the conventional lamp from the fitting by turning 90° ;
3. Remove the conventional lamp;
4. Insert the LED Tube into the lamp fitting;
5. Secure it in position by turning 90° ;
6. Switch on electricity.

## 10. Cautions

1. Lamps are not to be used in wet conditions or in a luminaire that don't provide protection;
2. Lamps are not designed to suit for emergency and dimming fixture operation;
3. This LED Tube is compatible with warm start ballast;
4. Please refer to the list of compatible ballast before installation;
5. Please contact manufacture to ensure anything unconfirmed.