



Internal Driver T5 LED TUBE

A105 Series




5^{year}
warranty



Rated voltage
85-265V

Frecuency
50-60Hz


Internal driver


Single /
Double end
power supply


Ring
colours


Milky/Clear
cover

PF > 0.9 CRI > 80RA
PF CRI

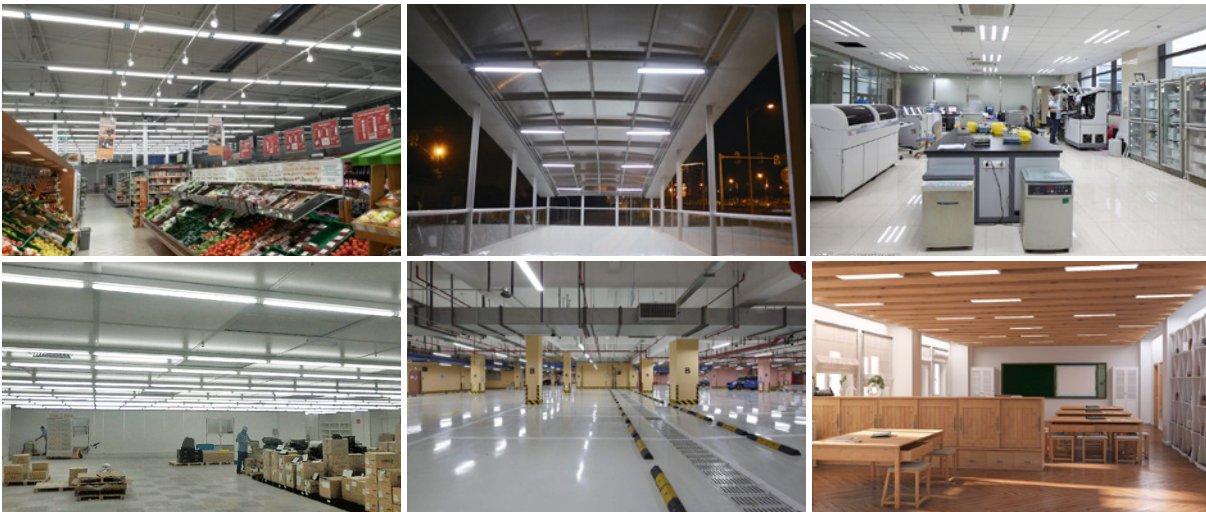
FEATURES:

LED fluorescent lamp adopts the latest LED light source technology, digital design, saving more than 60%, 15W LED daylighting is equivalent to 40W fluorescent tube LED fluorescent lamp life is more than 10 times that of ordinary lamp, almost maintenance-free, no need Always replace the lamp, ballast, and starter. The green and environmentally friendly semiconductor electric light source has soft light and pure spectrum, which is beneficial to the user's vision protection and health.

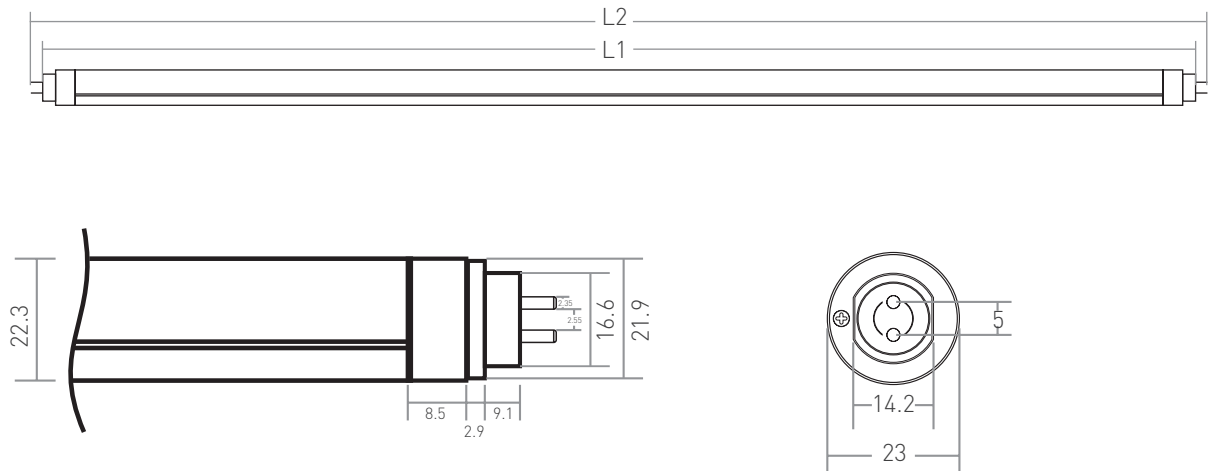
- Save over 60% than traditional fluorescent tube light
- Super high brightness with low heat
- T6 tube with T5 base
- Instant start without flicker, built-in driver
- No UV, IR and No mercury & lead
- PF>0.9, CRI>80Ra
- Single end power input and double end power input are both available
- Blue/Green/Silver cap available
- Clear cover or frosted cover
- CE, ROHS passed, conform to TUV, GS RCM standards

APPLICATIONS:

Indoor use only, For Factory, Office, Bank, Conference room, Hospital, Shopping mall, Hotel, Warehouse, Subway, School, Parking lot, Basement passage, Corridor, Advertising light box etc.



OUTLINE SIZE:



	2feet	3feet	4feet	5feet
	548 Dimension	848 Dimension	1149 Dimension	1448 Dimension
L2:	562	862	1162	1462
L1:	548	848	1148	1448

SPECIFICATION PARAMETER

No.	Items	Parameter (2ft)	Parameter (4ft)	Parameter (5ft)
01	Input Voltage	AC 85~265V	AC 85~265V	AC 85~265V
02	Current	45mA±10mA (AC 230V)	95mA±10mA (AC 230V)	120mA±10mA (AC 230V)
03	Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
04	Power consumption	10W tolerance 5%	20W tolerance 5%	25W tolerance 5%
05	PF(Power Factor)	AC 100V ≥0.99 AC 230V ≥0.9	AC 100V ≥0.99 AC 230V ≥0.9	AC 100V ≥0.99 AC 230V ≥0.9
06	Efficiency	91% (Typ.)	91% (Typ.)	91% (Typ.)
07	LED Type	2835 SMD	2835 SMD	2835 SMD
08	LED Quantitys	72PCS	144PCS	192PCS
09	Beam Angle	130°(Typ.)	130°(Typ.)	130°(Typ.)
10	Color Temperature	2700-6500K	2700-6500K	2700-6500K
11	Colour tolerance	≤6 SDCM	≤6 SDCM	≤6 SDCM
12	CRI (Color Rendering Index)	≥82	≥82	≥82
13	Luminous efficiency	140Lm/W	140Lm/W	140Lm/W
14	Base	G5	G5	G5
15	Tube Specifications	T5	T5	T5
16	UV Radiation	NO	NO	NO
17	Dimmable	None Dimmable	None Dimmable	None Dimmable
18	Net Weight	130g±10g	225g±10g	285g±10g
19	Lifetime	>50,000Hour	>50,000Hour	>50,000Hour

SPECIFICATION PARAMETER

No.	Items	Parameter
01	Operating Temperature	-10 ⁰ C~40 ⁰ C
02	Storage Temperature	-20 ⁰ C~60 ⁰ C
03	Operating Humidity	10~80%RH
04	Storage Humidity	5~90% RH

ELECTRICAL AND OPTICAL CHARACTERISTICS:

[Test Condition is 25°C]

PART NO.	Correlated Color Temperature	Illuminance (Lux) @1m distance	Luminous Flux (lm)	Power Consumption (W)
	±250	±25%	±10%	±5%
	AC 100~245V / 50/60Hz			
A1052P10 (2ft)	4250	462Lux	1300Lm	10W
A1054P20 (4ft)		758Lux	2600Lm	20W
A1055P25 (5ft)		862Lux	3250Lm	25W

[Test Condition is 25°C]

PART NO.	Correlated Color Temperature	Illuminance (Lux) @1m distance	Luminous Flux (lm)	Power Consumption (W)
	±250	±25%	±10%	±5%
	AC 100~245V / 50/60Hz			
A1052P10 (2ft)	5250	465Lux	1300Lm	10W
A1054P20 (4ft)		762Lux	2600Lm	20W
A1055P25 (5ft)		873Lux	3250Lm	25W

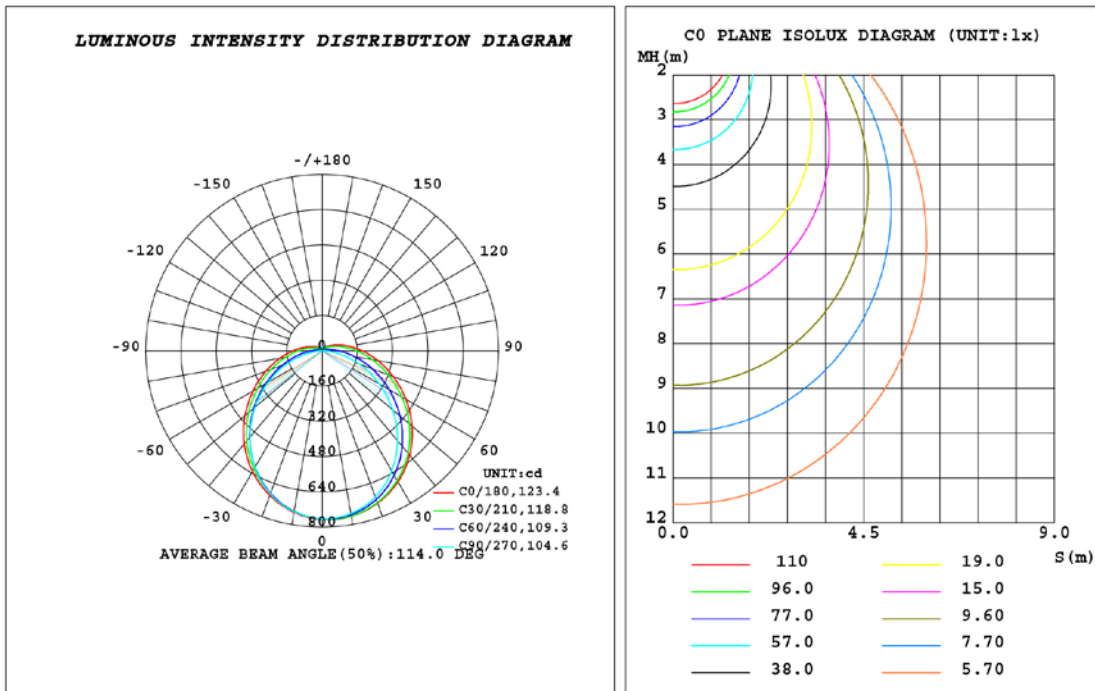
[Test Condition is 25°C]

PART NO.	Correlated Color Temperature	Illuminance (Lux) @1m distance	Luminous Flux (lm)	Power Consumption (W)
	±250	±25%	±10%	±5%
	AC 100~245V / 50/60Hz			
A1052P10 (2ft)	6250	465Lux	1300Lm	10W
A1054P20 (4ft)		765Lux	2600Lm	20W
A1055P25 (5ft)		879Lux	3250Lm	25W

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.90V I:0.0910A P:18.800W PF:0.9290 Freq:50.00Hz Lamp Flux:2563.76x1 lm		
NAME: T5 1.2m 18W 4000K	TYPE:LED	
MFR.:	DIM.: 1200mm	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 136.37 lm/W			
MODEL		I _{max} (cd)	766.7	S/MH(C0/180)	1.33
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	2563.8	η UP, DN(C0-180)	4.3,47.1
NOMINAL FLUX(lm)	2563.76	CIE CLASS	DIRECT	η UP, DN(C180-360)	3.9,44.7
LAMPS INSIDE	1	η up(%)	8.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.9	η down(%)	91.7	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2019-04-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity: 65.0%
 Test Distance: 8.000m [K=0.7063]
 Remarks:

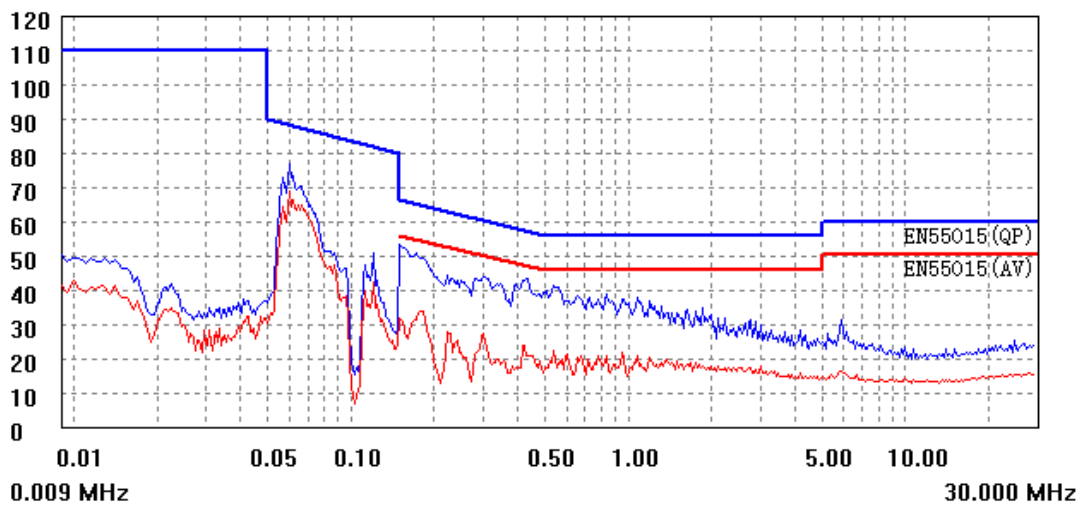
EMC DATA OF POWER SUPPLY

EMI TEST REPORT

Organization:		Operator:	EUT:
Place:		Time: 2018/12/18/12:4	Test equipment: KH3939
Detector: PK+AV		Test-time(ms): 30	SN: 390393
Limit: EN55015		Transductor(PK/AV): PK / AV	JZ: 2,14,1503
Remark:			

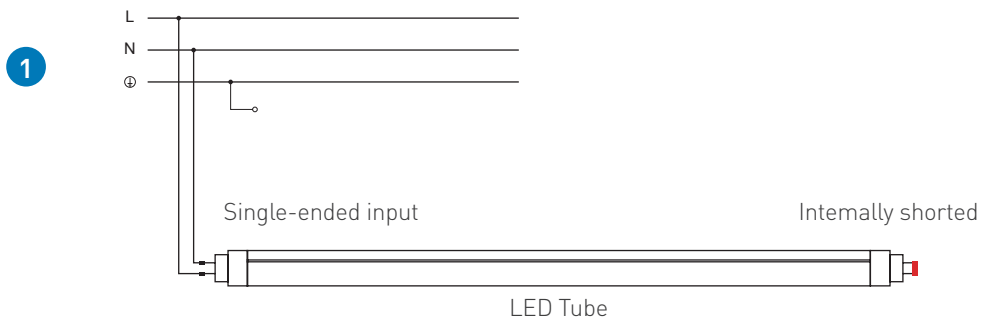
Start(MHz)	End(MHz)	Step(MHz)
0.009	0.150	0.001
0.150	2.000	0.002
2.000	10.000	0.010
10.000	30.000	0.025

dBuV

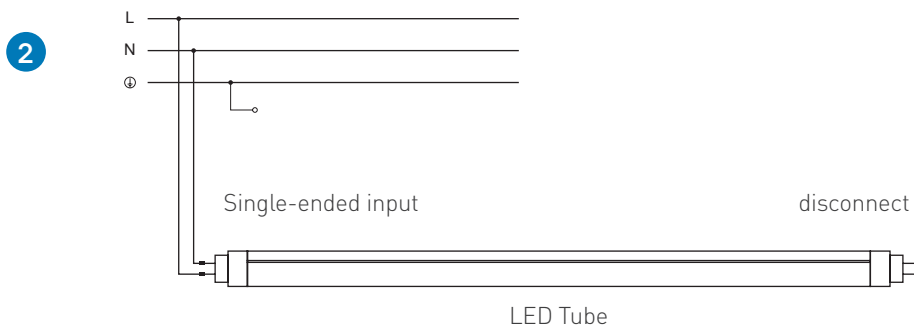


LED TUBE INSTALLATION DIAGRAM

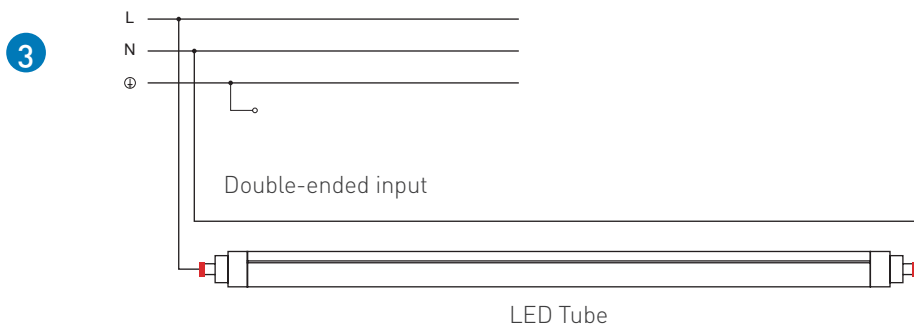
- Switch off the power before installation, and insert the PINs into the fixture, For single end input way, check the "AC in" sticker to install in right end if you don't want to switch off the power.
- If the old fixture is electric ballast, Remove the ballast and starter.
- If the old fixture is inductance ballast, Remove the starter, the ballast can be kept or removed, But as suggestion. it is better to remove the ballast because the ballast will waste power if not removed.



To be installed only by professionally trained staff



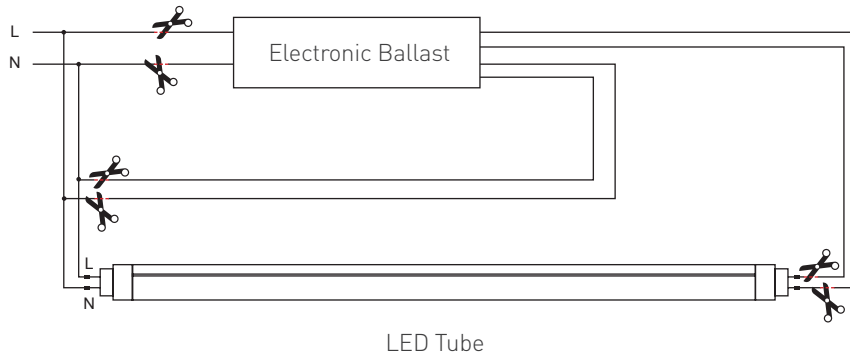
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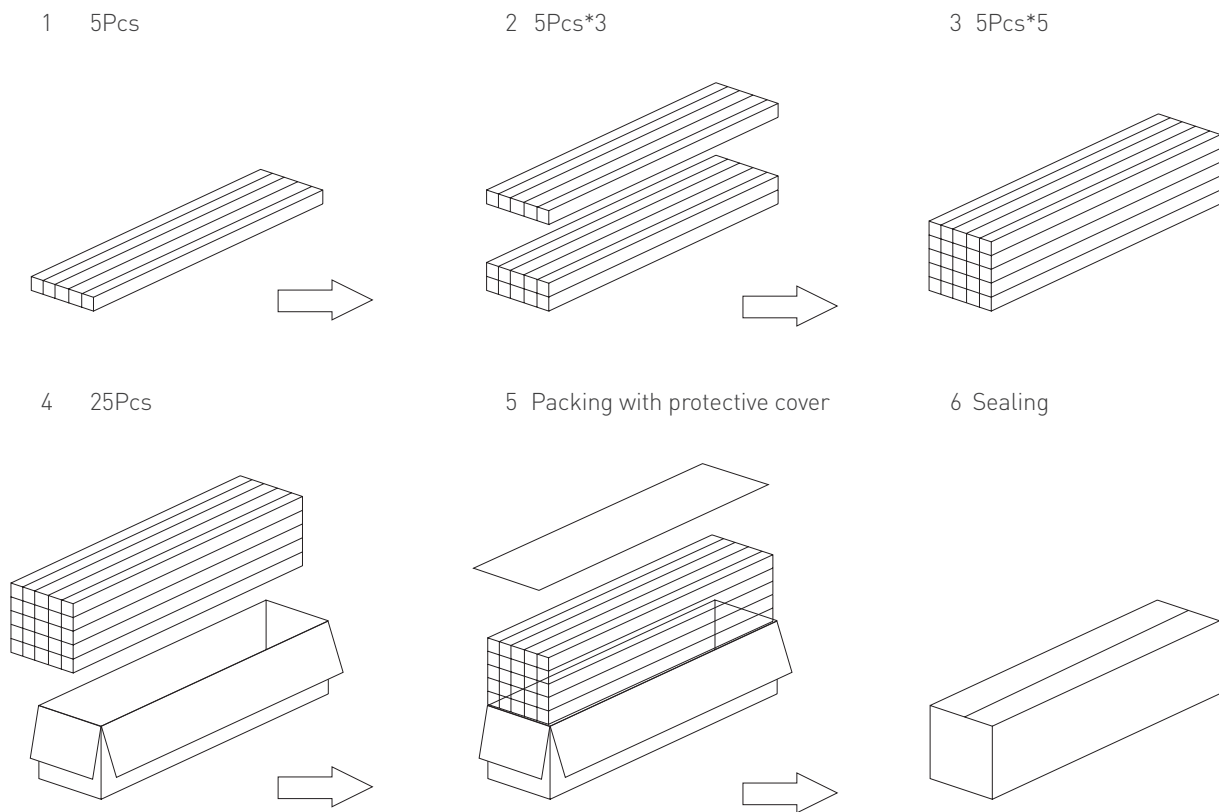
HOW TO REPLACE FLUORESCENT TUBE WITH STANDARD LED TUBE

Take out the fluorescent tube, Install LED tube, Cut off the original wiring and connect L and N to the LED tube according to the input mode of the LED tube.for only suitable electronic ballast.



PACKAGE

T5 Length	Type	Single Box	Pcs/ctn	N.W./ctn(kg)	G.W./ctn(kg)	Meas(cm)
60cm	EPE	K=K	25	2.9	3.5	61*21*18
90cm	EPE	K=K	25	4.1	4.9	91*21*18
120cm	EPE	K=K	25	5.6	6.7	121*21*18
150cm	EPE	K=K	25	7.2	8.4	151*21*18



Attention

This specification is for reference only, we reserve the right to change without notice. If you need the updated info, please contact local distributors or visit our website at <http://www.wiscoon.com>

wiscoon reserves the right of final explanation.

This product is non-resistant to some chemical substances, please contact the manufacturer for the details.