

DATA SHEET



DEVICE NUMBER :LI-T5-1200IC-18W

● Features:

1. 1148xΦ16mm No driver T5 LED Tube
2. TUBE MATERIAL: AL Extruded Heatsink + PC cover + AL PCB
3. Working Voltage: 200-240V AC
4. LED Efficiency: 110-120 lm/W
5. LED quantity: 144pcs 0.2W 2835 SMD LED
6. LED View Angle(2^θ 1/2): 160 degree
7. Luminous Flux(lm): 2800lm
8. Output Power: 18-20W
9. Supporting SCR(Triac) dimming
10. CE & RoHS approved
11. Median useful life: 50.000 hours
12. IP 44

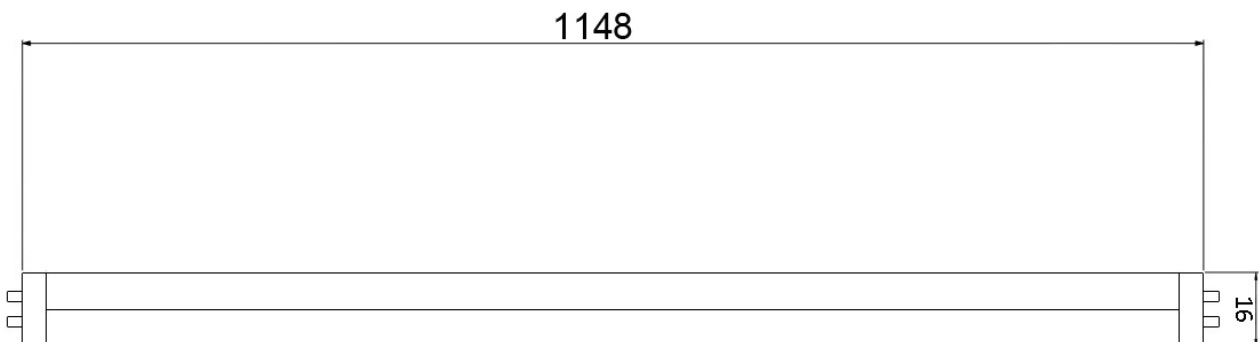
- **BENEFITS:**

- Easy for installation
- Excellent EMC performance
- Can work with inductance ballast
- No driver design, easy for producing and maintenance, save costs
- No driver design easily pass various testing and certification
- Supporting SCR dimming
- Isolated Structure: It is safe to protect users from electricity
- Use constant current IC instead of led driver, less components but more stable solution

- **Applications:**

Instead of the indoors ceiling light, School / Hospital, Conference / Meeting room, Show Room, Commercial Complexes, Factories / Offices, Super-markets, Residential / Institution buildings, etc

- **Dimensions(mm):**



Notes:

1. All dimensions are in millimeters
2. Tolerance is ± 0.5 mm unless other specified

- **Absolute maximum ratings ($T_j=25^{\circ}\text{C}$)**

Parameter	Symbol	Absolute Maximum Rating	Unit
Working voltage	V	AC 200-240V	V AC
LED Power	P_{LED}	18-20	W
Total Power Dissipation	PD	18-20	W
Electrostatic discharge	ESD	800	V
Operating Temperature	T_{opr}	$-20 \sim 40$	$^{\circ}\text{C}$
Storage Temperature	T_{stg}	$-40 \sim 60$	$^{\circ}\text{C}$

*1Proper current derating must be followed to keep LED junction temperature (T_j) below the maximum

- **Electrical & Optical Characteristics ($T_j=25^{\circ}\text{C}$)**

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Input Voltage AC	V_F	50/60Hz	200	230	240	V
Recommend Forward Current	IF(rec)	$V_F=230\text{V}$	-	86	-	mA
Color Temperature	TC	$V_{IN}=230\text{V}$	6000	-	7000	$^{\circ}\text{K}$
Luminous flux	ϕ_V	$V_{IN}=230\text{V}$	--	2500	2800	lm
Color Index	Ra	$V_{IN}=230\text{V}$	-	80	-	--

- **Package Method : (unit:mm)**

