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LED Tube



Product Advantage

LED Fluorescent Lamp is using the latest LED light source technology. Its energy saving rate exceeds 60%. T8 18W LED fluorescent lamp can be compared with 40W fluorescent lamp. The lifetime of LED lamp is a lot longer than standard fluorescent lamp. Maintenance need is nearly zero as all parts are well-built. Semi-conducting electric light source is environmental friendly. The light is soft and the spectrum is pure. It can protect users' eyesight and health.

This product can be used at homes, schools, factories, hospitals, malls, supermarkets etc.

Product Characteristics

- Long life: Lifespan is above 25,000 - 30,000 hours
- Energy saving: compared with traditional fluorescent tubes, it can save energy at least 60%.
- Wide voltage: Input voltage AC 85-277V, instant start and reach full lamps light
- Luminous efficiency is above 80%.
- LED efficacy is above 90lm/W.
- Color rendering Index (Ra) is above 71.
- Operating temperature range is from -20°C to 40°C.
- Operating relative humidity is 0 to 95%, no condensation humidity.
- It is UV-free, infrared radiation free, mercury-free and without any other hazardous substances.

Product Specification

Model	Dimension (mm)	Main Material	Voltage (V)	Power (W)	Luminous Flux (LM)	Light Source	Color Temperature (K)	LED Quantity (PCS)
EKS-TB209008	590mm* φ30	Aluminum Alloy+PC	85-277 V AC	9	850	SMD3528	4600-5600	162
EKS-TB214818	1200mm* φ30	Aluminum Alloy+PC	85-277 V AC	18	1800	SMD3528	4600-5600	315
EKS-TB194020	1500mm* φ30	Aluminum Alloy+PC	85-277 V AC	22	2100	SMD3528	4600-5600	396
EKS-TB216608	590mm* φ30	Aluminum Alloy+PC	85-277 V AC	9	790	SMD3528	4600-5600	162
EKS-TB215318	1200mm* φ30	Aluminum Alloy+PC	85-277 V AC	18	1700	SMD3528	4600-5600	315
EKS-TB215620	1500mm* φ30	Aluminum Alloy+PC	85-277 V AC	22	1980	SMD3528	4600-5600	396

Exchange Chart

T8 LED Fluorescent Lamp	Exchange T8 Tube	Exchange T10 Tube	Length
9W	18W	20W	590mm
18W	36W	40W	1200mm
22W	54W	58W	1500mm

T8LED Comparing to T8/36W

Item	T8/36W	T8 LED / 18W
Power(W)	44	18
Power Factor(PF)	0.47	0.96
Input Current(mA)	430	110
Luminous Flux(Lm)	1734	1700
Flicker	✓	✗
Noise	✓	✗
Mercury	40mg	No
Electric Usage (kWh/hrs)	0.044	0.024
Lifetime(hrs)	8000	30000
Energy Saving Rate	(44W-18W)/44W=59.1%	

Energy Saving Rate

Item	T8/36W tube (using 44W to count)	T8 LED/1.2m tube (using 18W to count)	Energy saving	
	Power Consumption (kWh/hrs)	Power Consumption (kWh/hrs)	Power Saved (kWh/hrs)	% Saved
Day (12hrs)	0.528	0.216	0.312	59.1%
Month (30A)	15.84	6.48	9.36	
Year (12months)	190.08	77.76	112.32	
Life Time	8,000	30000	4 times lifetime	

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