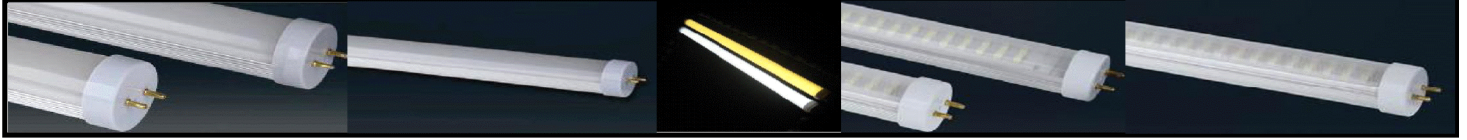


SMD LED T8 Tube Versus Conventional Fluorescent Tube

- Specs, Benefits, Warranty, Comparisons, Energy Savings & Payback Time



Product Specifications:

Model	Fluorescent Equivalent	Dimensions (D x L mm)	LED Colour	Colour Temperature (Kelvin)	IP Rating	Power (W)	Life Expectancy (Hours)	CRI (%)	Light Out (Lumens)
T8-2FT-SMD	T8-18W	26 x 600	WW / CW / PW	3000K/4000K/6000K	54 (Indoor use)	9	50,000 - 80,000	> 85	800
T8-4FT-SMD	T8-36W	26 x 1200	WW / CW / PW	3000K/4000K/6000K	54 (Indoor use)	18	50,000 - 80,000	> 85	1600
T8-5FT-SMD	T8-58W	26 x 1500	WW / CW / PW	3000K/4000K/6000K	54 (Indoor use)	24	50,000 - 80,000	> 85	2400
Colour Info	WW: Warm White; CW: Commercial White; PW: Pure White								

Key benefits:

- Energy saving:
T8-2FT LED tube replaces 18W conventional fluorescent tube
T8-4FT LED tube replaces 36W conventional fluorescent tube
T8-5FT LED tube replaces 58W conventional fluorescent tube
- Maintenance Free & Long Lifespan
- High Power Factor = 0.95
- No ballast, no starter, quick start, no flicker
- Easy installation
- Pure white colour with high colour rendering index > 0.85
- Environmentally friendly - RoHS, 0% Mercury

Warranty:

A 3-year manufacturer's warranty is offered with these products, and will replace lamp if for any reason it malfunctions during in this time.

Annual Running Costs, Maintenance Requirement & Expected Savings by switching to T8 LED:

Based on running 1 lamp for 12 hours/day at 17cents/KWh over 365 days a year (used 4,000 hours/year).

LED Tube: Annual Running Cost (1 T8 tube) & expected Maintenance/Replacement Requirement

Model	Rated Power	Actual Power	Annual Running Cost (4,000 hrs)	Life Expectancy (Hours)	Maintenance Requirement
T8-2FT-SMD	8W	8W	€5.44	50,000	Every 12.5 years
T8-4FT-SMD	16W	16W	€10.88	50,000	Every 12.5 years
T8-5FT-SMD	24W	24W	€16.32	50,000	Every 12.5 years

Fluorescent Tube: Annual Running Costs (1 T8 tube) & expected Maintenance/Replacement Requirement

Model	Rated Power	Actual Power	Annual Running Cost (4,000 hrs)	Life Expectancy (Hours)	Maintenance Requirement
T8-18W	18W	25W	€17.00	8,000	Every 2 years
T8-36W	36W	43W	€29.24	8,000	Every 2 years
T8-58W	58W	65W	€44.20	8,000	Every 2 years

% Energy Savings of LED over Fluorescent

LED Vs Fluorescent	Savings Calculations	% Savings
T8-2FT LED Vs 18W Fluorescent	LED/Fluorescent = 8W / 18W+7W(Ballast)	68%
T8-4FT LED Vs 36W Fluorescent	LED/Fluorescent = 16W / 36W+7W(Ballast)	63%
T8-5FT LED Vs 58W Fluorescent	LED/Fluorescent = 24W / 58W+7W(Ballast)	64%

Annual Savings & Payback Time (/Per Tube)

Model	Price	Annual Savings	Payback Time Calculations (LED T8 Tube Price / Annual Savings + Fluorescent T8 Tube Price)	Payback Time
T8-2FT-SMD	€45.00	€11.56	€45.00 / €11.56 + €5.00 = 2.9 years	< 3 Years
T8-4FT-SMD	€70.00	€18.36	€70.00 / €18.36 + €5.00 = 2.99 years	< 3 Years
T8-5FT-SMD	€100.00	€27.88	€100.00 / €27.88 + €5.00 = 2.95 years	< 3 Years

Example of expected Total Annual Savings: LED Versus Fluorescent

Model	Quantity Installed	Running Cost / Tube	Annual Running Cost / Ground Floor	Annual Savings with LED over Fluorescent
4FT LED	20	€10.88	€217.60	€367.20
4FT Fluorescent	20	€29.24	€584.80	
5FT LED	60	€16.32	€979.20	€1,672.80
5FT Fluorescent	60	€44.20	€2,652.00	