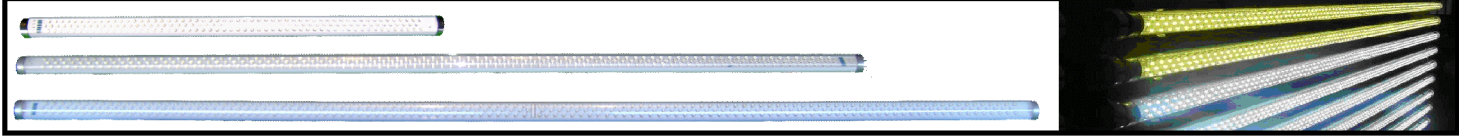


DIP LED T8 Tube Versus Conventional Fluorescent Tube

- 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-THL	T8-18W	30 x 600	WW / CW / PW	2800K/4500K/6000K	54 (Indoor use)	7	50,000 - 80,000	> 85	650
T8-4FT-THL	T8-36W	30 x 1200	WW / CW / PW	2800K/4500K/6000K	54 (Indoor use)	14	50,000 - 80,000	> 85	1300
T8-5FT-THL	T8-58W	30 x 1500	WW / CW / PW	2800K/4500K/6000K	54 (Indoor use)	16	50,000 - 80,000	> 85	1800
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:

2-year warranty 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-THL	8W	7W	€4.76	50,000	Every 12.5 years
T8-4FT-THL	16W	14W	€9.52	50,000	Every 12.5 years
T8-5FT-THL	24W	17W	€11.56	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 = 7W / 18W+7W(Ballast)	72%
T8-4FT LED Vs 36W Fluorescent	LED/Fluorescent = 14W / 36W+7W(Ballast)	68%
T8-5FT LED Vs 58W Fluorescent	LED/Fluorescent = 17W / 58W+7W(Ballast)	74%

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-THL	€45.00	€12.24	€45.00 / €12.24 + €5.00 = 2.6 years	> 2½ Years
T8-4FT-THL	€60.00	€19.72	€60.00 / €19.72 + €5.00 = 2.4 years	> 2 Years
T8-5FT-THL	€75.00	€32.64	€75.00 / €32.64 + €5.00 = 1.99 years	< 2 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	€9.52	€190.40	€394.40
4FT Fluorescent	20	€29.24	€584.80	
5FT LED	60	€11.56	€693.60	€1,958.40
5FT Fluorescent	60	€44.20	€2,652.00	