

MASTER TLD Eco – Quick Facts



REASONS TO UPLAMP FROM STANDARD FLUORESCENT TO MASTER TLD ECO:

- Energy saving retrofit to T8 lamps
- More than 10% energy saving in existing indoor luminaires
- Payback within 1 year
- Dimmable
- Suitable for EM and HF gear
- Good light output, comparable to super 80 and better than halophosphate
- Lumen maintenance and lifetime comparable to colour 80
- Helps to reduce CO2 emissions

KEY BENEFITS OVER COMPETITION

- Unique to the market



APPLICATION

- Ideal for indoor applications with high energy costs, where savings need to be made
- General lighting in offices, hospitals, schools etc.
- Optimal situation: above 15°C, luminaire operating at around 30°C

Cost of Ownership:

	Standard T8 lamp	MASTER TL-D Super 80	MASTER TL-D Eco
Wattage (W)	36	36	32
Retail price (£)	0.65	1.30	2.50
Service lifetime (hours)	6,000	12,000	12,000
Initial costs (£)	0.65	1.30	2.50
Lamp costs per year (£)	0.33	0.33	0.63
Energy costs per year (£)	10.80	10.80	9.60
Maintenance costs per year (£)	1.38	0.69	0.69
Total costs per year (£)	12.50	11.81	10.91
CO ₂ emissions per year (kg)	45.36	45.36	40.32

Number of lamps:	1
Price per kWh:	0.10
Burning hours per year:	3,000
Lamp replacement costs:	2.75

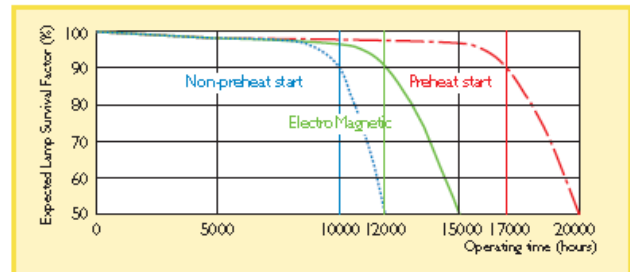
Uplamping Opportunity:

Standard T8	MASTER TLD Eco
58W	51W
36W	32W

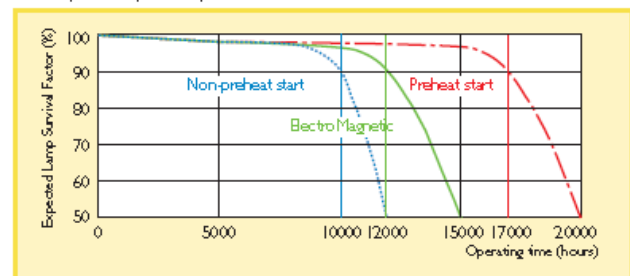
ENERGY INEFFICIENT LONG LIFE/LOW ENERGY

Key Reference Charts:

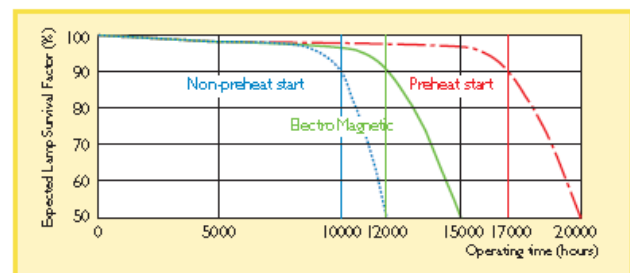
Life Expectancy 3h cycle



Life Expectancy 12h cycle



Lumen Maintenance



PHILIPS