



**ECOTUBE**® HE & HO Series

## T5 – Energy Saving Fluorescent Lamps

### ECOTUBE T5 Series:

EcoPower have changed the concept of using fluorescent lamp with the introduction of the latest energy saving fluorescent lamp technology. ECOTUBE T5 Series is designed to provide optimal lighting, superior color and low energy consumption. The **T5 HE (High Efficacy)** tube is made to provide high efficacy while the **T5 HO (High Output)** tube is made to provide high lumens output.

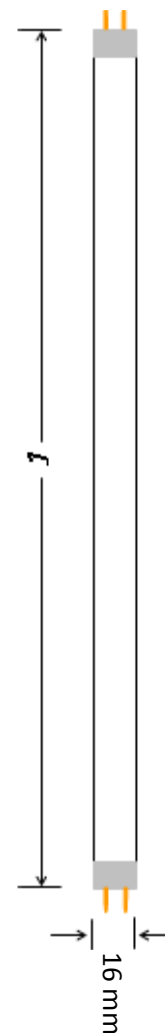
- High lamp efficacies up to 94 lm/W
- Highly efficient Tri-phosphor coating technology
- Nano-film coating technology
- Long service life up to 20,000 hours
- Long lamp life reducing maintenance cost
- High energy saving rate when using with EcoLight T5
- High color rendering (Ra > 85) providing natural color
- Relatively high efficacy
- High lumen maintenance
- Available color options from warm white to cool daylight
- Low mercury content does (< 3 mg)
- Low lumen depreciation during lamp lifetime
- Comply with ROHS
- Standard G5 bi-pin cap for slim luminaries design

### Application:

Offices	Factories
Schools	Warehouses
Institutions	Retail Outlets
Corridors	Supermarkets

### Quality Guarantee:

The ECOTUBE fluorescent tubes are developed and manufactured in accordance with IEC/EN60081 standard. Continuous strict quality control processes secure fluorescent lamps of top quality.



ECOTUBE T5 Spec V3.0

## T5 – Energy Saving Fluorescent Lamps

### T5 HE Specification:

HE Model No.	Wattage (W)	Lumen(lm)	Color Temp. (K)	Description	Length ℓ	Qty/Pack
HE14W/830	14	1200	3000	Warm White	549 mm	100
HE14W/840	14	1200	4000	Cool White	549 mm	100
HE14W/865	14	1100	6500	Cool Daylight	549 mm	100
HE21W/830	21	1900	3000	Warm White	849 mm	100
HE21W/840	21	1900	4000	Cool White	849 mm	100
HE21W/865	21	1750	6500	Cool Daylight	849 mm	100
HE28W/830	28	2600	3000	Warm White	1149 mm	100
HE28W/840	28	2600	4000	Cool White	1149 mm	100
HE28W/865	28	2400	6500	Cool Daylight	1149 mm	100
HE35W/830	35	3300	3000	Warm White	1449 mm	100
HE35W/840	35	3300	4000	Cool White	1449 mm	100
HE35W/865	35	3050	6500	Cool Daylight	1449 mm	100

### T5 HO Specification:

HO Model No.	Wattage (W)	Lumen(lm)	Color Temp. (K)	Description	Length ℓ	Qty/Pack
HO24W/830	24	1750	3000	Warm White	549 mm	100
HO24W/840	24	1750	4000	Cool White	549mm	100
HO24W/865	24	1600	6500	Cool Daylight	549mm	100
HO39W/830	39	3100	3000	Warm White	849mm	100
HO39W/840	39	3100	4000	Cool White	849mm	100
HO39W/865	39	2850	6500	Cool Daylight	849mm	100
HO49W/830	49	4300	3000	Warm White	1449mm	100
HO49W/840	49	4300	4000	Cool White	1449mm	100
HO49W/865	49	3950	6500	Cool Daylight	1449mm	100
HO54W/830	54	4450	3000	Warm White	1149mm	100
HO54W/840	54	4450	4000	Cool White	1149mm	100
HO54W/865	54	4050	6500	Cool Daylight	1149mm	100
HO80W/830	80	6150	3000	Warm White	1449mm	100
HO80W/840	80	6150	4000	Cool White	1449mm	100
HO80W/865	80	5700	6500	Cool Daylight	1449mm	100

Remark: Optional color of 2700K and 5000K are available for HE and HO tube based on a MOQ of 5,000 pcs.



# ECOTUBE® HE & HO Series

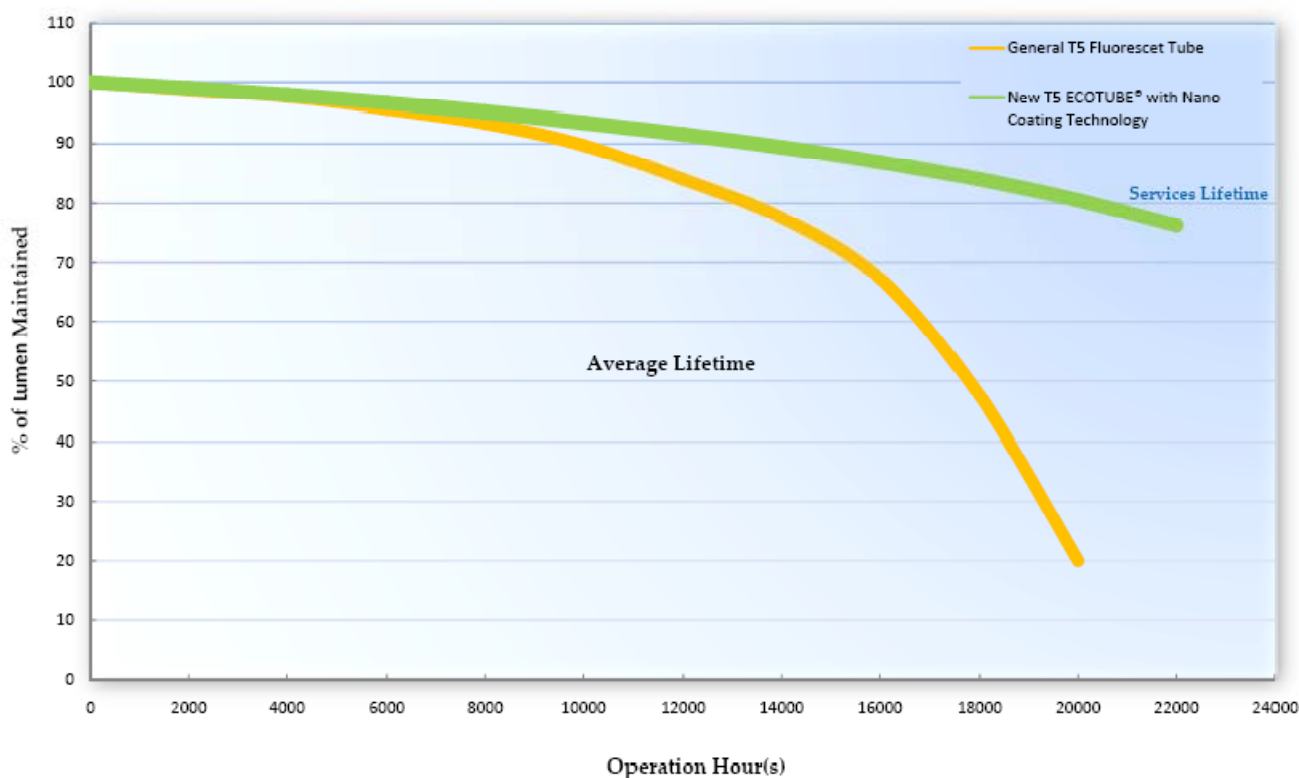
## T5 – Energy Saving Fluorescent Lamps

### Lifetime:

The service life of ECOTUBE HE models is 20,000 hours when operated with specified electronic ballast (Warm Start). The service life is achieved when the amount of light in an installation falls to 80% of the initial light level at first 100hrs. The service life of the lamp failure rate and the lumen depreciation is calculated based on a 3-hour operation switching cycle (power ON/OFF) according to IEC/EN 60081.

### Lumen Maintenance Curve:

Lumen Maintenance Curve of ECOTUBE T5-nano™



ECOTUBE T5 Spec V3.0

### Naming Method:

Code	HE28W/840	Code	HO54W/865
HE	High Efficacy	HO	High Output
28	Rating	54	Rating
W	Wattage	W	Wattage
8	Color Rendering, Ra > 80%	8	Color Rendering, Ra > 80%
40	Color temperature, 4000K	65	Color temperature, 6500K