

EcoLight T5 Series - Specification

Version : 3.0

Last Updated : 11/07

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T5 / **28** **F** **S** **E** **(S)**
 Output Fixture Type Mode Input Voltage Special Function

Output:
 HE-14,21,28,35W
 HO-24,39,49,54,80W

Mode:
 E = Economy Mode
 S = Standard Mode
 A = Advanced Mode

Input voltage:
 A = 85~133V
 E = 170~265V
 I = 250~300V
 U = Universal Voltage
 H = 347V~480V

Safety Standard:
 EN 61347
 EN 61347-2-3
 EN 60061-2

EMC Standard:
 EN 55015
 EN 55022
 EN 61000-3-2/-3
 EN 61547
 EN 61000-4-2/-3/-4/-5/-6/-11

Models	ECONOMY MODE												STANDARD MODE											
	T5/14FEA	T5/21FEA	T5/28FEA	T5/35FEA	T5/14FEE	T5/21FEE	T5/28FEE	T5/35FEE	T5/14FEI	T5/21FEI	T5/28FEI	T5/35FEI	T5/14FSA	T5/21FSA	T5/28FSA	T5/35FSA (IC Control)	T5/14FSE	T5/21FSE	T5/28FSE	T5/35FSE	T5/14FSI	T5/21FSI	T5/28FSI	T5/35FSI
Parameters																								
Normal Voltage	110V±20V 50Hz/60Hz				220V±20V 50Hz/60Hz				278V±20V 50Hz/60Hz				110V±20V 50Hz/60Hz				220V±20V 50Hz/60Hz				277V±20V 50Hz/60Hz			
Application Voltage	85V ~133V 50Hz/60Hz				170V ~ 265V 50Hz/60Hz				250~300V 50Hz/60Hz				85V ~133V 50Hz/60Hz				170V ~ 265V 50Hz/60Hz				250~300V 50Hz/60Hz			
Input Power	14W	21W	28W	35W	14W	21W	28W	35W	14W	21W	28W	35W	14W	21W	28W	35W	14W	21W	28W	35W	14W	21W	28W	35W
Standard T5 Lamp Type	14W 549mm	21W 849mm	28W 1149mm	35W 1449mm	14W 549mm	21W 849mm	28W 1149mm	35W 1449mm	14W 549mm	21W 849mm	28W 1149mm	35W 1449mm	14W 549mm	21W 849mm	28W 1149mm	35W 1449mm	14W 549mm	21W 849mm	28W 1149mm	35W 1449mm	14W 549mm	21W 849mm	28W 1149mm	35W 1449mm
ECOTUBE Model	Refer to ECOTUBE T5 Series Specification																							
Operation Frequency	~ 35KHz												~ 35KHz											
Power Factor	0.80 (with magnetic ballast)				0.95 (with magnetic ballast)				0.95 (with magnetic ballast)				> 0.97											
THD	< 90%				< 30%				< 20%															
Energy Efficiency Index	EEI = A3												EEI = A2											
Warranty	1 Years												2 Years											
Pre-heating Start	Included (PTC Circuit)																							
Self-Protection Function	Fuse												Open - Circuit , Short -Circuit and Gas Discharge											
Lamp Life Extend Function	N/A																							
Ambient Temperature	- 20 °C ~ +50 °C																							
Storage Temperature	- 40 °C ~ +60 °C																							
Relative Humidity	< 95% No condensation allowed																							
Cooling	Naturally Cooled																							

Models	ADVANCED MODE											
	T5/14FAU	T5/21FAU	T5/28FAU	T5/35FAU	T5/24FAU	T5/39FAU	T5/49FAU	T5/54FAU	T5/80FAU	T5/14FAH	T5/28FAH	T5/35FAH
Parameters												
Normal Voltage	(U) = Universal Voltage 120V ~277V ±20V									(H) = High Voltage ; 347V ~480V ±20V		
Application Voltage	(U) = 85V ~300V 50Hz/60Hz									320V~500V ; 60Hz		
Input Power	14W	21W	28W	35W	24W	39W	49W	54W	80W	14W	28W	35W
Standard T5 Lamp Type	14W HE 549mm	21W HE 849mm	28W HE 1149mm	35W HE 1449mm	24W HO 549mm	39W HO 849mm	49W HO 1449mm	54W HO 1149mm	80W HO 1449mm	14W HE 549mm	28W HE 1149mm	35W HE 1449mm
ECOTUBE Model	Refer to ECOTUBE T5 Series Specification											
Operation Frequency	~ 35KHz											
Power Factor	> 0.995											
THD	< 10%											
Energy Efficiency Index	EEI = A2											
Warranty	3 Years											
Pre-heating Start	Included (ICs Control)											
Self-Protection Function	ICs Control, Open - Circuit , Short -Circuit, Over Flow and Gas Discharge											
Lamp Life Extend Function	ICs Control, Cut - off Protection											
Ambient Temperature	- 20 °C ~ +50 °C											
Storage Temperature	- 40 °C ~ +60 °C											
Relative Humidity	< 95% No condensation allowed											
Cooling	Naturally Cooled											