

# EcoLight T5 Series - Specification

Version : 6.1

Last Updated : September Index :

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 = 110V ± 15%  
 E = 220V ± 15%  
 I = 277V ± 10%  
 U = Universal Voltage (110V ~ 277V)  
 H = 347V ± 10% or 480V± 10%

**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

ECONOMY MODE													STANDARD MODE											
Models	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 50Hz/60Hz				220V 50Hz/60Hz				277V 50Hz/60Hz					110V 50Hz/60Hz				220V 50Hz/60Hz				277V 50Hz/60Hz		
Application Voltage	110V ± 15% 50Hz/60Hz				220V ± 15% 50Hz/60Hz				277V ± 10% 50Hz/60Hz					110V ± 15% 50Hz/60Hz				220V ± 15% 50Hz/60Hz				277V ± 10% 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)				0.97 (with magnetic ballast)				0.97 (with magnetic ballast)					0.98										
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												Cut-off Technology, Pre-Heating Start											
Ambient Temperature	- 15 °C ~ +50 °C																							
Storage Temperature	- 40 °C ~ +60 °C																							
Relative Humidity	< 95% No condensation allowed																							
Cooling	Naturally Cooled																							

ADVANCED MODE													
Models	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									(H) = High Voltage : 347V or 480V			
Application Voltage	(U) = 120V ~277V ± 10% 50Hz/60Hz									347V± 10% or 480V± 10% ; 50Hz/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 Technology, Pre-Heating Start												
Ambient Temperature	- 15 °C ~ +50 °C												
Storage Temperature	- 40 °C ~ +60 °C												
Relative Humidity	< 95% No condensation allowed												
Cooling	Naturally Cooled												



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