

EcoLight T5 Series - Specification

Version : 6.4

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

Output:

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

Mode:

E = Economy Mode
S = Standard Mode
A = Advance Mode

Input voltage:

A = 120V ± 10%
E = 230V ± 10%
I = 277V ± 10%
U = Universal Voltage (110V~277V)
H = 347V ± 10% or 480V ± 10%

Compliance and Marking:



US Standard CAN Standard
UL935 CSA C22.2 No. 74-96
UL1598 CSA C22.2 No. 250



EMC Standard:

EN55015:2006+A1:2007
EN61547-1:1995+A1:2000
EN61000-3-2:2006
EN61000-3-3:2008

LVD Standard:

EN61347-1:2008
EN61347-2-3:2001+A2:2006
EN60598-1:2008
EN60598-2-1:1989

ADVANCE MODE																		
Model	T5/14FAU	T5/21FAU	T5/28FAU	T5/35FAU	T5/24FAU	T5/39FAU	T5/49FAU	T5/54FAU	T5/80FAU	T5/14FAH	T5/21FAH	T5/28FAH	T5/35FAH	T5/24FAH	T5/39FAH	T5/49FAH	T5/54FAH	
Nominal Voltage	(U) = Universal Voltage 120V ~277V									(H) = High Voltage ; 347V / 480V								
Application Voltage	120V~277V ± 10% 50Hz/60Hz									347V± 10% / 480V± 10% ; 50Hz/60Hz								
Output Power	14W	21W	28W	35W	24W	39W	49W	54W	80W	14W	21W	28W	35W	24W	39W	49W	54W	
Circuit Power	15W	22W	30W	37W	25.5W	41W	51.5W	56.5W	84W	15W	22W	30W	37W	25.5W	41W	51.5W	56.5W	
Current	60~130mA	90~195mA	110~250mA	140~310mA	100~225mA	155~345mA	190~435mA	210~480mA	315~715mA	45/30mA	65/45mA	85/60mA	110/75mA	75/50mA	125/85mA	150/105mA	165/115mA	
Standard T5 Lamp Type	14W HE 549mm	21W HE 849mm	28W HE 1149mm	35W HE 1449mm	24W HO 549mm	39W HO 849mm	49W HO 1149mm	54W HO 1449mm	80W HO 1449mm	14W HE 549mm	21W HE 849mm	28W HE 1149mm	35W HE 1449mm	24W HO 549mm	39W HO 849mm	49W HO 1149mm	54W HO 1149mm	
Ballast Factor	1.07	1.03	1.04	1.01	1.06	1.02	1.03	1.00	1.00	1.07	1.03	1.04	1.01	1.06	1.02	1.03	1.00	
ECOTUBE Model	Refer to ECOTUBE T5 Series Specification																	
Operation Frequency	26 ~ 30KHz																	
Power Factor	0.995																	
THD	< 10%																	
Energy Efficiency Index	EEI = A2																	
Warranty	40 Months																	
Pre-heating Start	Program Start (ICs Control) <1.2s																	
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	Natural Cool																	
Compliance and Marking	UL; UL-C; CE ; C-tick ; Rohs																	

ECONOMY MODE									STANDARD MODE											
Model	T5/14FEE	T5/21FEE	T5/28FEE	T5/35FEE	T5/14FEI	T5/21FEI	T5/28FEI	T5/35FEI	T5/14FSA	T5/21FSA (IC control)	T5/28FSA (IC control)	T5/35FSA (IC control)	T5/14FSE	T5/21FSE	T5/28FSE	T5/35FSE	T5/14FSI	T5/21FSI	T5/28FSI	T5/35FSI
Nominal Voltage	230V 50Hz/60Hz				277V 50Hz/60Hz				110V 50Hz/60Hz				220V 50Hz/60Hz				277V 50Hz/60Hz			
Application Voltage	230V ± 10% 50Hz/60Hz				277V ± 10% 50Hz/60Hz				120V ± 10% 50Hz/60Hz				230V ± 10% 50Hz/60Hz				277V ± 10% 50Hz/60Hz			
Output Power	14W	21W	28W	35W	14W	21W	28W	35W	14W	21W	28W	35W	14W	21W	28W	35W	14W	21W	28W	35W
Circuit Power	15W	22W	30W	37W	15W	22W	30W	37W	15W	22W	30W	37W	15W	22W	30W	37W	15W	22W	30W	37W
Current	70mA	100mA	130mA	160mA	65mA	90mA	120mA	150mA	130mA	195mA	250mA	310mA	70mA	100mA	130mA	160mA	65mA	90mA	120mA	150mA
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
Ballast Factor	1.08	1.04	1.05	1.02	1.08	1.04	1.05	1.02	1.07	1.03	1.04	1.01	1.07	1.03	1.04	1.01	1.07	1.03	1.04	1.01
ECOTUBE Model	Refer to ECOTUBE T5 Series Specification									Refer to ECOTUBE T5 Series Specification										
Operation Frequency	26 ~ 30KHz									26 ~ 30KHz										
Power Factor	0.95									0.98										
THD	< 30%									< 20%										
Energy Efficiency Index	EEI = A2									EEI = A2										
Warranty	18 Months									30 Months										
Pre-heating Start	Rapid Warm Start (PTC Circuit) ; <1.2s									Rapid Warm Start (PTC Circuit) ; <1.2s										
Self-Protection Function	Fuse									Fuse, Open - Circuit , Short-Circuit and Gas Discharge										
Lamp Life Extend Function	Pre-Heating Start									Cut-off Technology, Pre-Heating Start										
Ambient Temperature	- 15 °C ~ +50 °C									- 15 °C ~ +50 °C										
Storage Temperature	- 40 °C ~ +60 °C									- 40 °C ~ +60 °C										
Relative Humidity	< 95% No condensation allowed									< 95% No condensation allowed										
Cooling	Natural Cool									Natural Cool										
Compliance and Marking	LVD									UL; UL-C; CE ; C-tick ; Rohs										

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