

Lighting

PHILIPS

Saving energy was never so simple

T5 Energy Advantage

Philips Energy Advantage T5 lamps featuring ALTO Lamp Technology offer ultimate energy savings without any sacrifice to light levels.

Benefits

- Outstanding energy savings save 3 watts when switching from a standard T5 28W lamp, with no sacrifice to performance.
- Sustainable Lighting Solution only 1.4 mg of mercury per lamp.

Features

- Save 3 watts by simply changing a lamp (when replacing a Standard T5 28W lamp).
- Save \$12.00 in energy costs over the life of the lamp when compared to a Standard T5 28W (based on 40,000 hrs Rated Average Life at \$.10 per start).
- Operates on Programmed Start electronic ballast only.
- Sustainable lighting solution- Reduces the impact on the environment: low mercury, energy efficiency, long life, and less material.
- Only 1.4 mg of mercury, the lowest in the industry.
- Dimmable.
- Available in 25 Watt- 3000K, 3500K and 4100K Color Temperatures.

Application

• Ideal for general, decorative and architectural lighting in offices, retail stores, hotels, schools and hospitals.

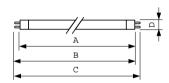
T5 Energy Advantage

Versions

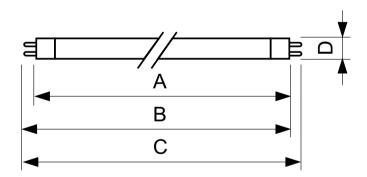


G5, T5

Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)	
F28T5 835 HE EA ALTO	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm	
25W						



Product	D (max)	A (max)	B (max)	B (min)	C (max)
F54T5/841/HO/XEW/	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm
ALTO 44W					

T5 Energy Advantage

Approval and application	
Mercury (Hg) Content (Nom)	1.4 mg
Controls and dimming	
Dimmable	Yes
General information	
Cap-Base	G5
LSF Preheat 4000 h Rated	99 %
LSF Preheat 6000 h Rated	99 %
LSF Preheat 8000 h Rated	99 %
Light technical	
Color Rendering Index (Max)	85
Color Rendering Index (Min)	80
Color Rendering Index (Nom)	82
LLMF 12000 h Rated	92 %
LLMF 16000 h Rated	91 %
LLMF 2000 h Rated	96 %
LLMF 20000 h Rated	90 %
LLMF 4000 h Rated	95 %
LLMF 6000 h Rated	94 %
LLMF 8000 h Rated	93 %
Mechanical and housing	
Bulb Shape	Т5
Temperature	
Design Temperature (Nom)	35 ℃

General information

	Life To 50%							Life To 50%	То 50%			
		Failures	LSF Preheat	LSF Preheat	LSF Preheat			Failures	LSF Preheat	LSF Preheat	LSF Preheat	
Order		Preheat	16000 h	20000 h	2000 h	Order		Preheat	16000 h	20000 h	2000 h	
Code	Full Product Name	(Nom)	Rated	Rated	Rated	Code	Full Product Name	(Nom)	Rated	Rated	Rated	
406314	F28T5/835/EA/	25000 h	99 %	94 %	99 %	417824	F54T5/841/HO/XE	30000 h	98 %	97 %	100 %	
	ALTO 25W 40/1						W/ALTO/44W					

Light technical (1/2)

				Correlated	Luminous					Correlated	Luminous
				Color	Efficacy (@					Color	Efficacy (@
Order	Full Product	Color	Color	Temperature	Max Lumen,	Order	Full Product	Color	Color	Temperature	Max Lumen,
Code	Name	Code	Designation	(Nom)	Rated) (Nom)	Code	Name	Code	Designation	(Nom)	Rated) (Nom)
Code 406314	Name F28T5/835/EA/	Code 835	Designation White (WH)	(Nom) 3500 K	Rated) (Nom) 114 lm/W	Code 417824	Name F54T5/841/HO/X		Designation Cool White	(Nom) 4100 K	Rated) (Nom) 102 lm/W

Light technical (2/2)

Order Code	Full Product Name	Lamp Current (Nom)	Power (Nom)
406314	F28T5/835/EA/ALTO 25W 40/1	0.170 A	25.2 W
417824	F54T5/841/HO/XEW/ALTO/44W	0.460 A	42.8 W

T5 Energy Advantage

	Luminous					Luminous			
Order		Efficacy (rated)	Luminous Flux	Luminous Flux	Order		Efficacy (rated)	Luminous Flux	Luminous Flux
Code	Full Product Name	(Nom)	(Nom)	(Rated) (Nom)	Code	Full Product Name	(Nom)	(Nom)	(Rated) (Nom)
406314	F28T5/835/EA/ALTO	103 lm/W	2900 lm	2600 lm	417824	F54T5/841/HO/XEW/	91 lm/W	4500 lm	3900 lm
	25W 40/1					ALTO/44W			



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