



# **T5 Standard**

## F28T5/841 ALTO 40PK

Philips T5 Fluorescent Lamps featuring ALTO® Lamp Technology offer increased energy savings and low toxicity in a slim profile.

#### **Warnings and Safety**

- · Lamp contains mercury.
- · Manage in Accord with Disposal Laws.
- See: www.lamprecycle.org or 1-800-555-0050

#### **Product data**

**General information** 

Base	G5 [ G5]		
Life to 50% Failures Preheat (Nom)	24000 h		
Features	HE Alto® [ High Efficiency Alto]		
System Description	High Efficiency		
LSF Preheat 2000 h Rated	99 %		
LSF Preheat 4000 h Rated	99 %		
LSF Preheat 6000 h Rated	99 %		
LSF Preheat 8000 h Rated	99 %		
LSF Preheat 16000 h Rated	97 %		
LSF Preheat 20000 h Rated	84 %		
Light technical			
Color Code	841 [ CCT of 4100K]		
Initial lumen (Nom)	2900 lm		
Luminous Flux (Rated) (Nom)	2675 lm		
Color Designation	Cool White (CW)		
Luminous Efficacy (@ Max Lumen, Rated)	104 lm/W		
(Nom)			
Correlated Color Temperature (Nom)	4100 K		

Luminous Efficacy (rated) (Nom)	96 lm/W
Color Rendering Index (Max)	85
Color Rendering Index (Min)	80
Color Rendering Index (Nom)	82
LLMF 2000 h Rated	96 %
LLMF 4000 h Rated	95 %
LLMF 6000 h Rated	94 %
LLMF 8000 h Rated	93 %
LLMF 12000 h Rated	92 %
LLMF 16000 h Rated	91 %
LLMF 20000 h Rated	90 %
Operating and electrical	
Power (Rated) (Nom)	27.9 W
Lamp Current (Nom)	0.170 A
Temperature	
Design Temperature (Nom)	95 °F

Datasheet, 2022, August 7 data subject to change

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Controls and dimming	
Dimmable	Yes
Mechanical and housing	
Cap-Base Information	Green [ Green Cap]
Bulb Shape	T5 [ 16 mm (T5)]
Approval and application	
Mercury (Hg) Content (Nom)	1.4 mg
Product data	
Order product name	28W/841 Min Bipin T5 HE ALTO
	UNP/40

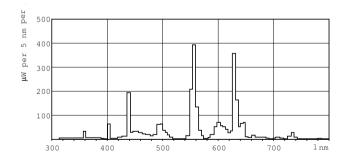
EAN/UPC - Product	046677230869		
Order code	230862		
Numerator - Quantity Per Pack	1		
Numerator - Packs per outer box	40		
Material Nr. (12NC)	927990684022		
Copy Net Weight (Piece)	0.23 lb		
ILCOS Code	FDH-28/40/1B-L/P-G5-16/1150		

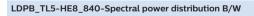
## Dimensional drawing

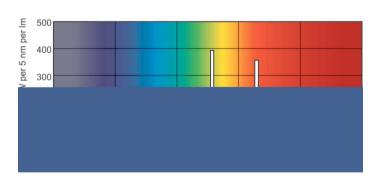
Product	D (max)	A (max)	B (max)	B (min)	C (max)
28W/841 Min Bipin T5	11/16 in	45-1/4 in	45-9/16 in	45-7/16 in	45-13/16 in
HE ALTO UNP/40					

## 28W/841 Min Bipin T5 HE ALTO UNP/40

### Photometric data



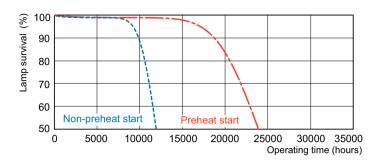


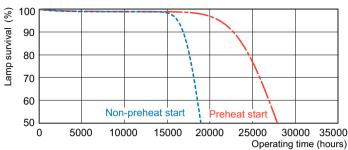


LDPO\_TL5-HE8\_840-Spectral power distribution Colour

## **T5 Standard**

#### Lifetime





LDLE\_TL5-HE8\_0001-Life expectancy diagram

LDLE\_TL5-HE8\_0002-Life expectancy diagram



LDLM\_TL5-HE8\_0001-Lumen maintenance diagram



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