

# Lighting

**PHILIPS** 

# **T5 Standard**

# F28T5/835 ALTO 40PK

Philips T5 Fluorescent Lamps featuring ALTO<sup>®</sup> 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	835 [ CCT of 3500K]				
Initial lumen (Nom)	2900 lm				
Luminous Flux (Rated) (Nom)	2675 lm				
Color Designation	White (WH)				
Luminous Efficacy (@ Max Lumen, Rated)	104 lm/W				
(Nom)					
Correlated Color Temperature (Nom)	3500 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)	35 °C
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Cap-Base Information	Green [ Green Cap]

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Bulb Shape	T5 [ 16 mm (T5)]
Approval and Application	
Energy Efficiency Label (EEL)	А
Mercury (Hg) Content (Nom)	1.4 mg
Product Data	
Order product name	28W/835 Min Bipin T5 HE ALTO
	UNP/40

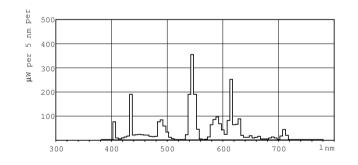
EAN/UPC - Product	046677230852
Order code	230854
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	40
Material Nr. (12NC)	927990683522
Net Weight (Piece)	104.500 g
ILCOS Code	FDH-28/35/1B-L/P-G5-16/1150

#### Dimensional drawing

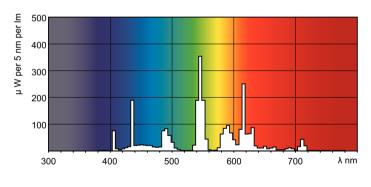
Product	D (max)	A (max)	B (max)	B (min)	C (max)
28W/835 Min Bipin T5	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm
HE ALTO UNP/40					

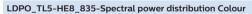
#### TL5 HE F28T5/835 HE Alto

#### Photometric data



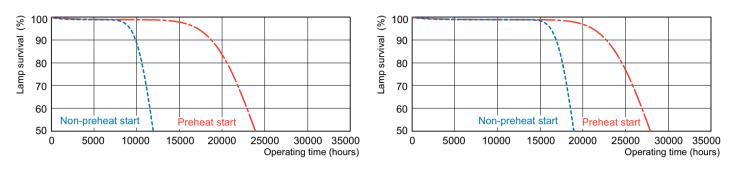
LDPB\_TL5-HE8\_835-Spectral power distribution B/W





### **T5 Standard**

#### Lifetime





LDLE\_TL5-HE8\_0002-Life expectancy diagram

LDLM\_TL5-HE8\_0001-Lumen maintenance diagram

LDLE\_TL5-HE8\_0001-Life expectancy diagram



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www.lighting.philips.com 2020, November 18 - data subject to change