



# 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](http://www.lamprecycle.org) or 1-800-555-0050

### Product data

General Information		Color Rendering Index (Min)	
Base	G5 [ G5]	Color Rendering Index (Nom)	82
Life to 50% Failures Preheat (Nom)	24000 h	LLMF 2000 h Rated	96 %
Features	HE Alto® [ High Efficiency Alto]	LLMF 4000 h Rated	95 %
System Description	High Efficiency	LLMF 6000 h Rated	94 %
LSF Preheat 2000 h Rated	99 %	LLMF 8000 h Rated	93 %
LSF Preheat 4000 h Rated	99 %	LLMF 12000 h Rated	92 %
LSF Preheat 6000 h Rated	99 %	LLMF 16000 h Rated	91 %
LSF Preheat 8000 h Rated	99 %	LLMF 20000 h Rated	90 %
LSF Preheat 16000 h Rated	97 %		
LSF Preheat 20000 h Rated	84 %		
Light Technical		Operating and Electrical	
Color Code	841 [ CCT of 4100K]	Power (Rated) (Nom)	27.9 W
Initial lumen (Nom)	2900 lm	Lamp Current (Nom)	0.170 A
Luminous Flux (Rated) (Nom)	2675 lm		
Color Designation	Cool White (CW)	Temperature	
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	104 lm/W	Design Temperature (Nom)	35 °C
Correlated Color Temperature (Nom)	4100 K		
Luminous Efficacy (rated) (Nom)	96 lm/W	Controls and Dimming	
Color Rendering Index (Max)	85	Dimmable	Yes
		Mechanical and Housing	
		Cap-Base Information	Green [ Green Cap]

## T5 Standard

Bulb Shape	T5 [ 16 mm (T5)]
<b>Approval and Application</b>	
Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	1.4 mg
<b>Product Data</b>	
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
Net Weight (Piece)	104.500 g
ILCOS Code	FDH-28/40/1B-L/P-G5-16/1150

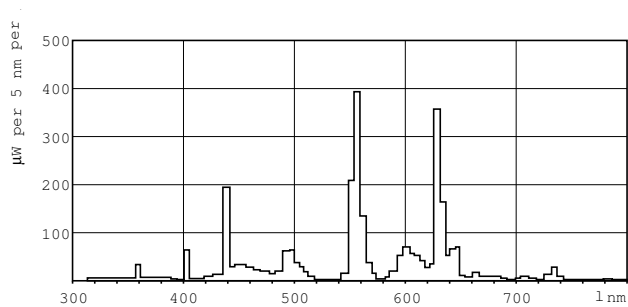
## Dimensional drawing



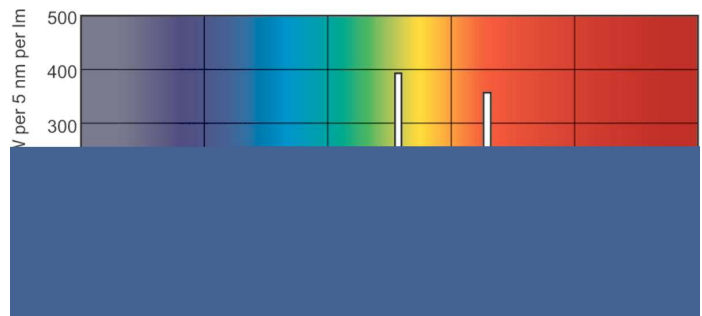
Product	D (max)	A (max)	B (max)	B (min)	C (max)
28W/841 Min Bipin T5 HE	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm
ALTO UNP/40					

TL5 HE F28T5/841 HE Alto

## Photometric data



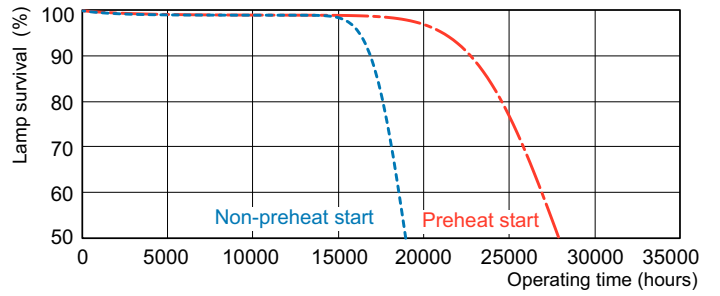
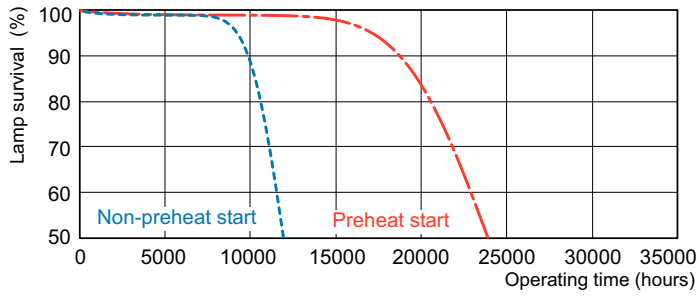
LDPB\_TL5-HE8\_840-Spectral power distribution B/W



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

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## Lifetime



LDLE\_TL5-HE8\_0001-Life expectancy diagram

LDLE\_TL5-HE8\_0002-Life expectancy diagram



LDLM\_TL5-HE8\_0001-Lumen maintenance diagram

