

Lighting

PHILIPS

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)	35 ℃		
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/841 Min Bipin T5 HE ALTO
	UNP/40

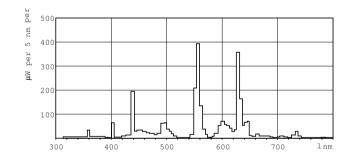
EAN/UPC - Product	046677230869			
Order code	230862			
Numerator - Quantity Per Pack	1			
Numerator - Packs per outer box	40			
Material Nr. (12NC)	927990684022			
Net Weight (Piece)	104.500 g			
ILCOS Code	FDH-28/40/1B-L/P-G5-16/1150			

Dimensional drawing

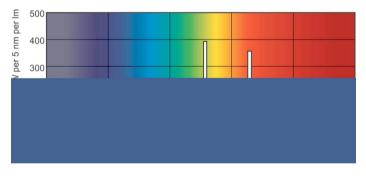
Product	D (max)	A (max)	B (max)	B (min)	C (max)
28W/841 Min Bipin T5 HE	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm
ALTO UNP/40					

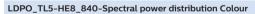
TL5 HE F28T5/841 HE Alto

Photometric data



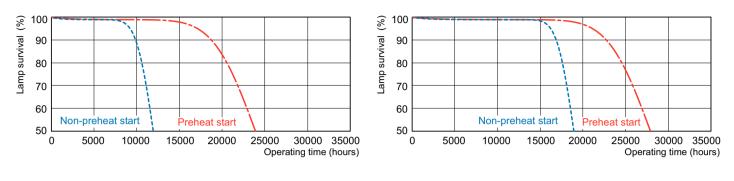
LDPB_TL5-HE8_840-Spectral power distribution B/W





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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