



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.

Product data

General Information		LLMF 6000 h Rated		94 %	
Cap-Base	G5 [G5]	LLMF 8000 h Rated	93 %		
Life to 50% Failures Preheat (Nom)	24000 h	LLMF 12000 h Rated	92 %		
Features	HE Alto® [High Efficiency Alto]	LLMF 16000 h Rated	91 %		
System Description	High Efficiency	LLMF 20000 h Rated	90 %		
LSF Preheat 2000 h Rated	99 %	Operating and Electrical			
LSF Preheat 4000 h Rated	99 %	Power (Rated) (Nom)	27.9 W		
LSF Preheat 6000 h Rated	99 %	Lamp Current (Nom)	0.170 A		
LSF Preheat 8000 h Rated	99 %	Temperature			
LSF Preheat 16000 h Rated	97 %	Design Temperature (Nom)	35 °C		
LSF Preheat 20000 h Rated	84 %	Controls and Dimming			
Light Technical		Dimmable	Yes		
Color Code	841 [CCT of 4100K]	Mechanical and Housing			
Initial lumen (Nom)	2900 lm	Cap-Base Information	Green [Green Cap]		
Luminous Flux (Rated) (Nom)	2675 lm	Approval and Application			
Color Designation	Cool White (CW)	Energy Efficiency Label (EEL)	A		
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	104 lm/W	Mercury (Hg) Content (Nom)	1.4 mg		
Correlated Color Temperature (Nom)	4100 K	Product Data			
Luminous Efficacy (rated) (Nom)	96 lm/W	Order product name	28W/841 Min Bipin T5 HE ALTO UNP/40		
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 %				

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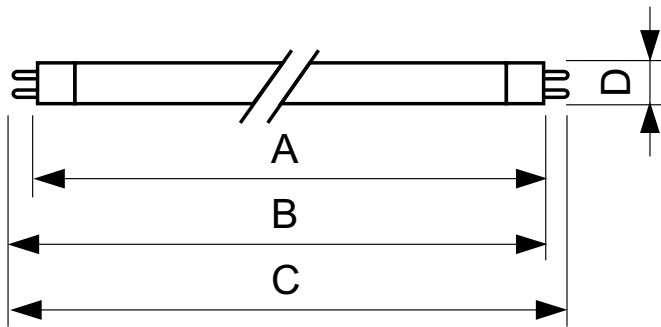
EAN/UPC - Product	046677230869
Order code	230862
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	40
Material Nr. (12NC)	927990684022

Net Weight (Piece)	104.500 g
ILCOS Code	FDH-28/40/1B-L/P-G5-16/1150

Warnings and Safety

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

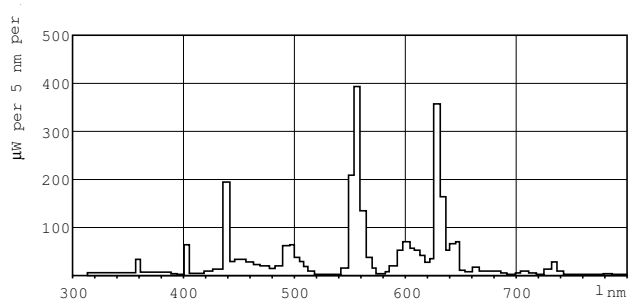
Dimensional drawing



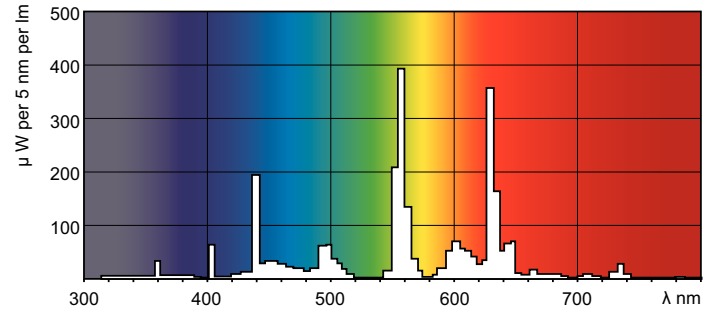
TL5 HE F28T5/841 HE Alto

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					

Photometric data



Lightcolor /840



Lightcolor /840

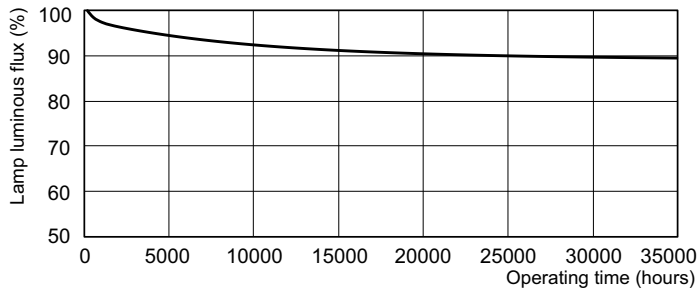
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Lifetime



MASTER TL5 HE Life Expectancy 3 h cycle

MASTER TL5 HE Life Expectancy 12 h cycle



MASTER TL5 HE Lumen Maintenance 3 h + 12 h cycle

