



T5 Standard

F21T5/835/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		Color Rendering Index (Nom)	
Base	G5 [G5]	LLMF 2000 h Rated	96 %
Life to 50% Failures Preheat (Nom)	24000 h	LLMF 4000 h Rated	95 %
Features	HE Alto® [High Efficiency Alto]	LLMF 6000 h Rated	94 %
System Description	High Efficiency	LLMF 8000 h Rated	93 %
LSF Preheat 2000 h Rated	99 %	LLMF 12000 h Rated	92 %
LSF Preheat 4000 h Rated	99 %	LLMF 16000 h Rated	91 %
LSF Preheat 6000 h Rated	99 %	LLMF 20000 h Rated	90 %
LSF Preheat 8000 h Rated	99 %	Operating and Electrical	
LSF Preheat 16000 h Rated	97 %	Power (Rated) (Nom)	20.6 W
LSF Preheat 20000 h Rated	84 %	Lamp Current (Nom)	0.165 A
Light Technical		Temperature	
Color Code	835 [CCT of 3500K]	Design Temperature (Nom)	35 °C
Initial lumen (Nom)	2100 lm	Controls and Dimming	
Luminous Flux (Rated) (Nom)	1850 lm	Dimmable	Yes
Color Designation	White (WH)	Mechanical and Housing	
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	101 lm/W	Cap-Base Information	Green [Green Cap]
Correlated Color Temperature (Nom)	3500 K		
Luminous Efficacy (rated) (Nom)	90 lm/W		
Color Rendering Index (Max)	85		
Color Rendering Index (Min)	80		

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Bulb Shape	T5 [16 mm (T5)]
Approval and Application	
Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	1.4 mg
Product Data	
Order product name	21W/835 Min Bipin T5 HE ALTO
	UNP/40

EAN/UPC - Product	046677230821
Order code	230821
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	40
Material Nr. (12NC)	927990883522
Net Weight (Piece)	78.000 g
ILCOS Code	FDH-21/35/1B-L/P-G5-16

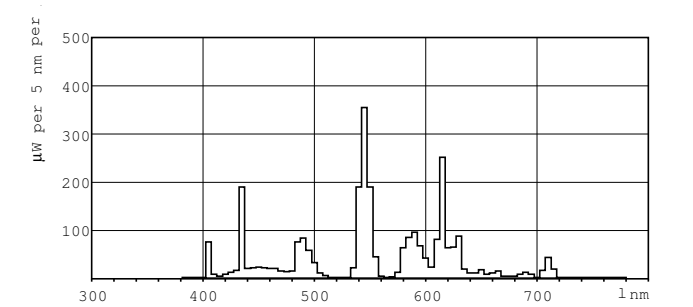
Dimensional drawing



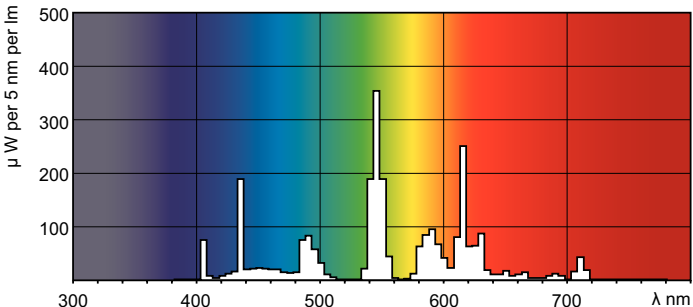
Product	D (max)	A (max)	B (max)	B (min)	C (max)
21W/835 Min Bipin T5 HE	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm
ALTO UNP/40					

TL5 HE F21T5/835 HE Alto

Photometric data



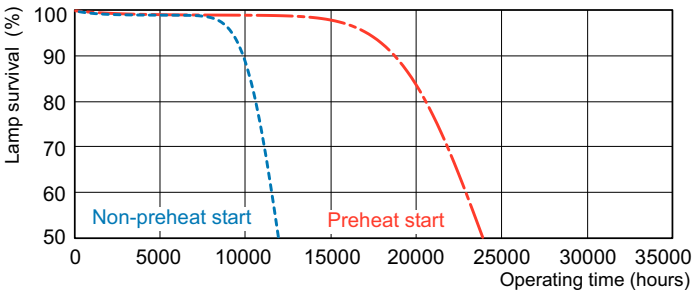
LDPB_TL5-HE8_835-Spectral power distribution B/W



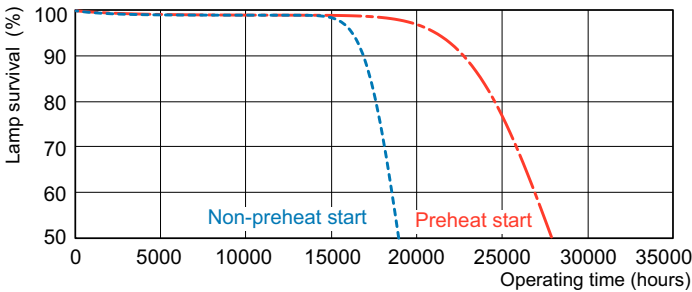
LDPO_TL5-HE8_835-Spectral power distribution Colour

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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

