



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	
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)	2100 lm
Luminous Flux (Rated) (Nom)	1850 lm
Color Designation	White (WH)
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	101 lm/W
Correlated Color Temperature (Nom)	3500 K
Luminous Efficacy (rated) (Nom)	90 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)	20.6 W
Lamp Current (Nom)	0.165 A

Temperature

Design Temperature (Nom)	95 °F
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T5 Standard

Controls and dimming

Dimmable	Yes
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Mechanical and housing

Cap-Base Information	Green [Green Cap]
Bulb Shape	T5 [16 mm (T5)]

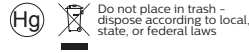
Approval and application

Mercury (Hg) Content (Nom)	1.4 mg
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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
Copy Net Weight (Piece)	0.172 lb
ILCOS Code	FDH-21/35/1B-L/P-G5-16



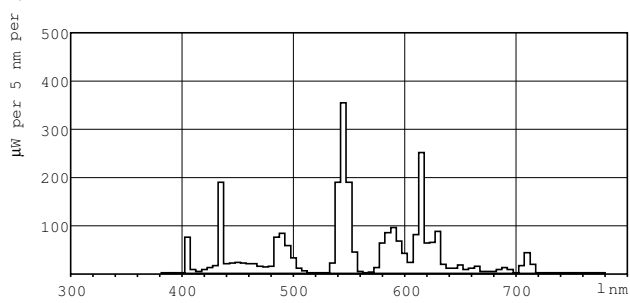
Dimensional drawing



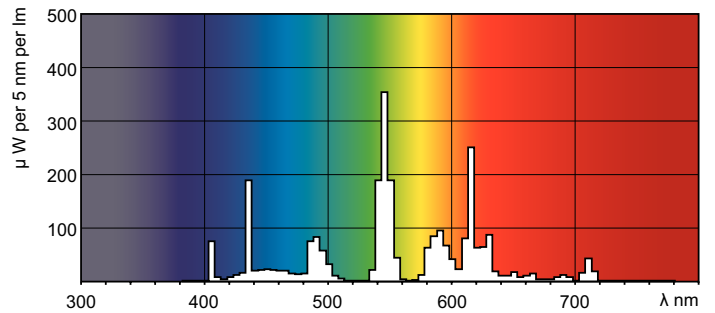
Product	D (max)	A (max)	B (max)	B (min)	C (max)
21W/835 Min Bipin T5 HE	11/16 in	33-7/16 in	33-3/4 in	33-5/8 in	34 in
ALTO UNP/40					

21W/835 Min Bipin T5 HE ALTO UNP/40

Photometric data



LDPB_TL5-HE8_835-Spectral power distribution B/W



LDPO_TL5-HE8_835-Spectral power distribution Colour

T5 Standard

Lifetime



LDLE_TL5-HE8_0001-Life expectancy diagram

LDLE_TL5-HE8_0002-Life expectancy diagram



LDLM_TL5-HE8_0001-Lumen maintenance diagram

