



T5 Standard

21W/835 Min Bipin T5 HE ALTO UNP

Philips T5 Fluorescent Lamps featuring ALTO® Lamp Technology offer increased energy savings and low toxicity in a slim profile.

Product data

• General Characteristics

System Description	High Efficiency
Base	Miniature Bipin
Base Information	Green [Green Base]
Bulb	T5 [16 mm]
Rated Avg. Life	24000 hr
Life to 10% fail	19000 hr
Preheat EL,3h	
LSF HF Preheat	85 %
20000h Rated,3h	
LSF HF Preheat	94 %
16000h Rated,3h	
LSF HF Preheat	95 %
12000h Rated,3h	
LSF HF Preheat	97 %
8000h Rated,3h	
LSF HF Preheat	98 %
6000h Rated,3h	
LSF HF Preheat	98 %
4000h Rated,3h	
LSF HF Preheat	99 %
2000h Rated,3h	

• Light Technical Characteristics

Color Code	835 [CCT of 3500K]
Color Rendering Index	85 Ra8
Color Designation	White
Color Temperature	3500 K
Chromaticity Coordinate X	412 -
Chromaticity Coordinate Y	401 -
Initial Lumens	2100 Lm
Lum Efficacy Rated HF 25°C	93 Lm/W

Lum Efficacy Rated HF 35°C	101 Lm/W
LLMF HF 20000h Rated	88 %
LLMF HF 16000h Rated	90 %
LLMF HF 12000h Rated	91 %
LLMF HF 8000h Rated	93 %
LLMF HF 6000h Rated	94 %
LLMF HF 4000h Rated	95 %
LLMF HF 2000h Rated	96 %
Luminous Flux EL 25°C, Rated	1920 Lm
Luminous Flux EL 25°C, Nominal	1920 Lm
Design Temperature	35 C

• Electrical Characteristics

Watts	21 W
Lamp Voltage EL 25°C	126 V
Lamp Current EL 25°C	0.165 A
Dimmable	Yes
Lamp Wattage EL 35°C	20.7 W
Lamp Current EL 35°C	0.170 A
Lamp Voltage EL 35°C	123 V



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sense and simplicity

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Lamp Wattage EL 25°C, Rated	20.6 W
Lamp Wattage EL 25°C, Nominal	21 W

Insertion Length B	853.7 (min), 856.1 (max) mm
Overall Length C	863.2 (max) mm
Diameter D	17 (max) mm

• Environmental Characteristics

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content	1.4 mg

• Measuring Conditions

Calibration Current	0.170 A
HF Generator Rated Voltage	246 V
Resistor	725 ohm

• Product Dimensions

Base Face to Base Face A	849.0 (max) mm
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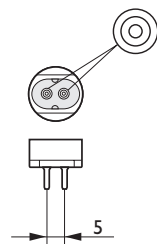
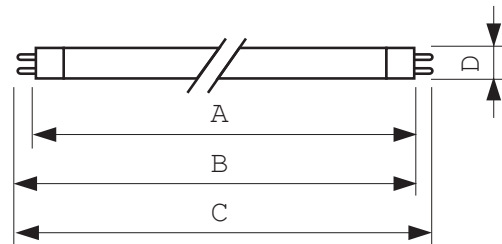
• Product Data

Product number	230821
Full product name	21W/835 Min Bipin T5 HE ALTO UNP
Short product name	F21T5/835/ALTO 40PK
Pieces per Sku	1
eop_pck_cfg	40
Skus/Case	40
Bar code on pack	46677230821
Bar code on case	50046677230826
Logistics code(s)	927990883522
tpd_ilcos_cd	FDH-21/35/1B-L/P-G5-16
eop_net_weight_pp	78.000 gr

Dimensional drawing

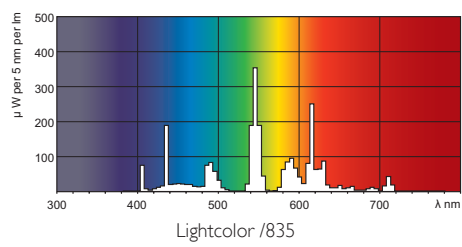
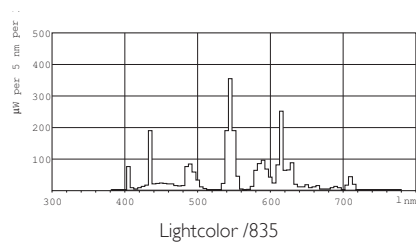
G5, T5

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 HE F21T5/835 HE Alto	849.0	853.7	856.1	863.2	17



G5

Photometric data



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2012, April 10
data subject to change