



T5 Standard

F21T5/830 ALTO

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	84 %
20000h Rated,3h	
LSF HF Preheat	97 %
16000h Rated,3h	
LSF HF Preheat	99 %
12000h Rated,3h	
LSF HF Preheat	99 %
8000h Rated,3h	
LSF HF Preheat	99 %
6000h Rated,3h	
LSF HF Preheat	99 %
4000h Rated,3h	
LSF HF Preheat	99 %
2000h Rated,3h	

• Light Technical Characteristics

Color Code	830 [CCT of 3000K]
Color Rendering Index	85 Ra8
Color Designation	Warm White
Color Temperature	3000 K
Chromaticity Coordinate X	440 -
Chromaticity Coordinate Y	403 -
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	90 %
LLMF HF 16000h Rated	91 %
LLMF HF 12000h Rated	92 %
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	1925 Lm
Luminous Flux EL 25°C, Nominal	1925 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

PHILIPS

sense and simplicity

T5 Standard

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

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

• Measuring Conditions

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

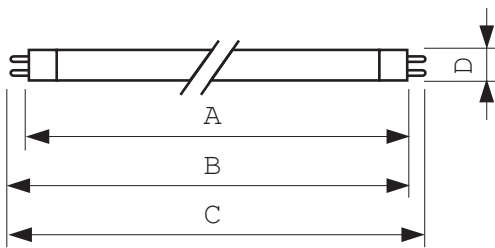
• Product Dimensions

Base Face to Base 849.0 (max) mm
 Face A

• Product Data

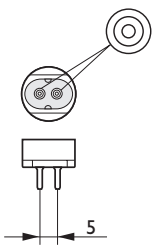
Product number 230813
 Full product name F21T5/830 ALTO
 Short product name F21T5/830/ALTO 40PK
 Pieces per Sku 1
 eop_pck_cfg 40
 Skus/Case 40
 Bar code on pack 46677230814
 Bar code on case 50046677230819
 Logistics code(s) 927990883022
 tpd_ilcos_cd FDH-21/30/1B-L/P-G5-16
 eop_net_weight_pp 78.000 gr

Dimensional drawing



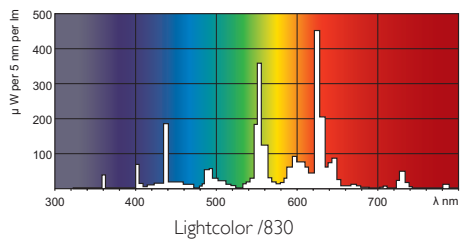
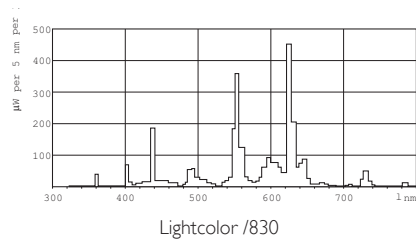
G5, T5

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 HE F21T5/830 HE Alto	849.0	853.7	856.1	863.2	17



G5

Photometric data



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www.philips.com/lighting

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data subject to change