



# 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.

### Product data

General Information	
Cap-Base	G5 [ G5]
Life to 50% Failures Preheat (Nom)	24000 h
Features	HE Alto® [ High Efficiency Alto]
System Description	HE [ 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]
Luminous Flux (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)	35 °C

Controls and Dimming	
Dimmable	Yes

Mechanical and Housing	
Cap-Base Information	Green [ Green Base]

Approval and Application	
Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	1.4 mg

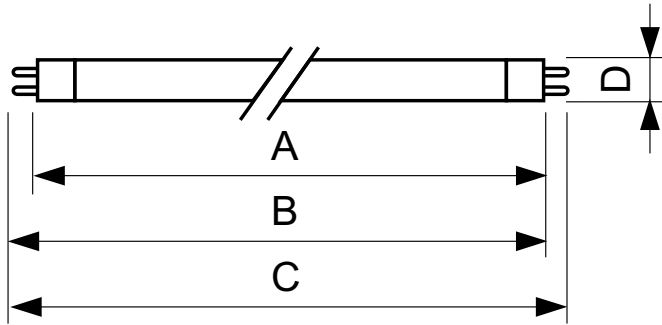
# T5 Standard

## 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

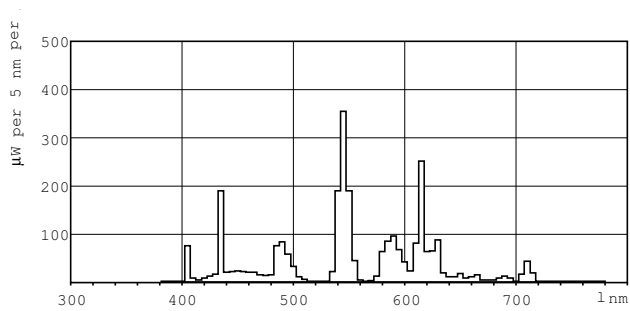
## Dimensional drawing



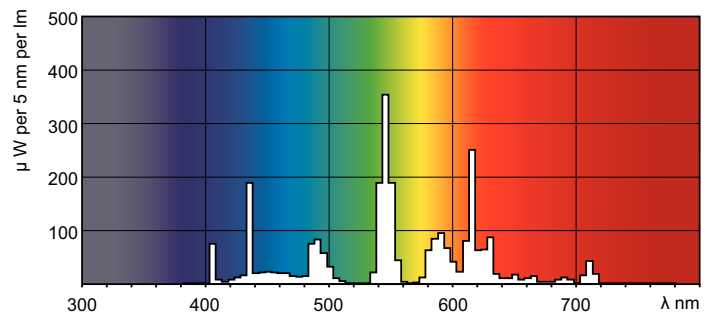
TL5 HE F21T5/835 HE Alto

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					

## Photometric data

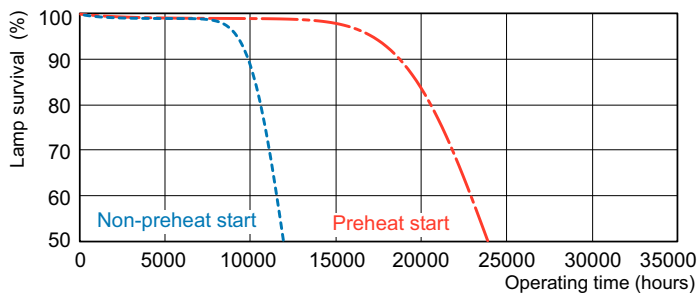


Lightcolor /835

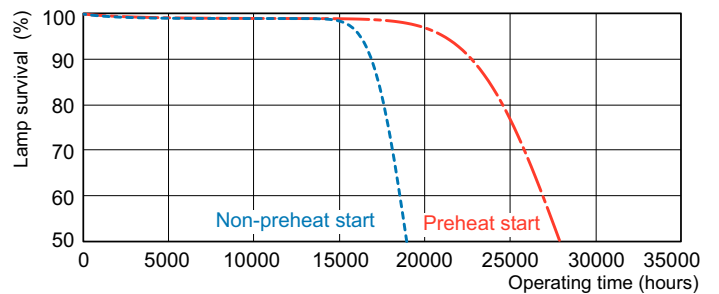


Lightcolor /835

## Lifetime



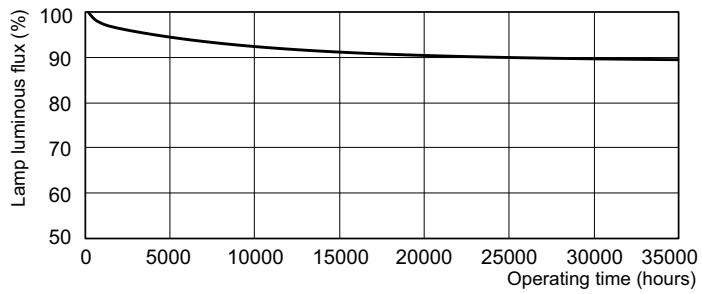
MASTER TL5 HE Life Expectancy 3 h cycle



MASTER TL5 HE Life Expectancy 12 h cycle

## T5 Standard

### Lifetime



MASTER TL5 HE Lumen Maintenance 3 h + 12 h cycle

