



# Powerful, environmentally- responsible ultra-slim lamps

## T5 Standard

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

### Benefits

- Philips T5 Warranty period – 36 months.
- Sustainable Lighting Solution – low mercury.
- Ultra slim profile allows for flexibility in design.

### Features

- Less mercury combined with energy efficiency and long life reduces the impact on the environment.
- Our green end-caps mean you are using ALTO® environmentally-responsible lamps.
- Only 1.4mg of mercury per lamp.
- Slim profile lamp and ballast.
- Operates on programmed start electronic ballasts only.
- Available in 14, 21, 28, and 35 Watts with 3000, 3500, 4100 color temperatures.

### Application

- Ideal for general, decorative and architectural lighting in offices, retail stores, hotels, schools and hospitals.

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Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
14W/830 Min Bipin T5 HE ALTO UNP/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
14W/835 Min Bipin T5 HE ALTO UNP/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
14W/841 Min Bipin T5 HE ALTO UNP/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
21W/835 Min Bipin T5 HE ALTO UNP/40	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm
28W/830 Min Bipin T5 HE ALTO UNP/40	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
28W/835 Min Bipin T5 HE ALTO UNP/40	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
28W/841 Min Bipin T5 HE ALTO UNP/40	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
F21T5/830/ALTO 40PK	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm
F21T5/841/ALTO 40PK	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm
F35T5/830 40PK	17 mm	1,449.0 mm	1,456.1 mm	1,453.7 mm	1,463.2 mm
F35T5/841 40PK	17 mm	1,449.0 mm	1,456.1 mm	1,453.7 mm	1,463.2 mm

General Information	
Cap-Base	G5
Light Technical	
Color rendering index (CRI)	82
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Shape	T5
Approval and Application	
Mercury (Hg) Content (Nom)	1.4 mg

Light Technical

Order Code	Full Product Name	Color Designation	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux
927990483022	14W/830 Min Bipin T5 HE ALTO UNP/40	Warm White (WW)	3000 K	86 lm/W	1,350 lm
927990483522	14W/835 Min Bipin T5 HE ALTO UNP/40	White (WH)	3500 K	86 lm/W	1,350 lm

Order Code	Full Product Name	Color Designation	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux
927990484022	14W/841 Min Bipin T5 HE ALTO UNP/40	Cool White (CW)	4100 K	86 lm/W	1,350 lm
927990683022	28W/830 Min Bipin T5 HE ALTO UNP/40	Warm White (WW)	3000 K	96 lm/W	2,900 lm

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Order Code	Full Product Name	Color Designation	Correlated Color Temperature	Luminous Efficacy (rated)	Luminous Flux
			(Nom)	(Nom)	
927990683522	28W/835 Min Bipin T5 HE ALTO UNP/40	White (WH)	3500 K	96 lm/W	2,900 lm
927990684022	28W/841 Min Bipin T5 HE ALTO UNP/40	Cool White (CW)	4100 K	96 lm/W	2,900 lm
927990883022	F21T5/830/ALTO 40PK	Warm White (WW)	3000 K	90 lm/W	2,100 lm
927990883522	21W/835 Min Bipin T5 HE ALTO UNP/40	White (WH)	3500 K	90 lm/W	2,100 lm

Order Code	Full Product Name	Color Designation	Correlated Color Temperature	Luminous Efficacy (rated)	Luminous Flux
			(Nom)	(Nom)	
927990884022	F21T5/841/ALTO 40PK	Cool White (CW)	4100 K	90 lm/W	2,100 lm
927992783022	F35T5/830 40PK	Warm White (WW)	3000 K	94 lm/W	3,650 lm
927992784022	F35T5/841 40PK	Cool White (CW)	4100 K	94 lm/W	3,650 lm

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power Consumption
927990483022	14W/830 Min Bipin T5 HE ALTO UNP/40	0.165 A	14.0 W
927990483522	14W/835 Min Bipin T5 HE ALTO UNP/40	0.165 A	14.0 W
927990484022	14W/841 Min Bipin T5 HE ALTO UNP/40	0.165 A	14.0 W
927990683022	28W/830 Min Bipin T5 HE ALTO UNP/40	0.170 A	27.9 W
927990683522	28W/835 Min Bipin T5 HE ALTO UNP/40	0.170 A	27.9 W

Order Code	Full Product Name	Lamp Current (Nom)	Power Consumption
927990684022	28W/841 Min Bipin T5 HE ALTO UNP/40	0.170 A	27.9 W
927990883022	F21T5/830/ALTO 40PK	0.165 A	21 W
927990883522	21W/835 Min Bipin T5 HE ALTO UNP/40	0.165 A	20.6 W
927990884022	F21T5/841/ALTO 40PK	0.165 A	20.6 W
927992783022	F35T5/830 40PK	0.175 A	35.5 W
927992784022	F35T5/841 40PK	0.175 A	35.5 W

