



# Low mercury, energy savings

## PL-T Triple 4-Pin Base Non Amalgam

Philips Non-Amalgam PL-T Compact Fluorescent lamps offer designers, specifiers, and end-users new levels of efficiencies and versatility in sizes, configurations and application possibilities.

### Benefits

- More design flexibility
- 25% shorter than PL-C lamps
- Better for the environment
- Only has 1.4mg of mercury with ALTO lamp technology

### Features

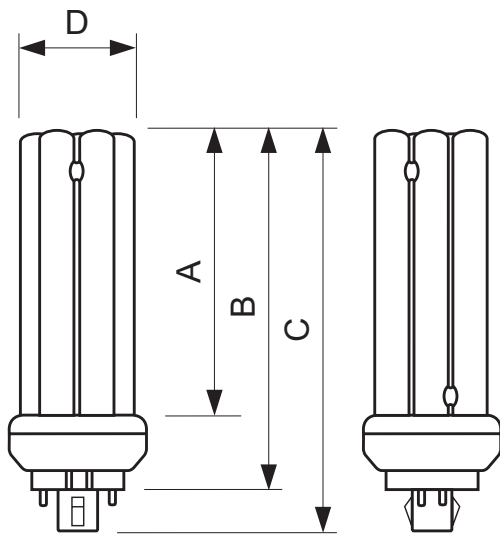
- Extended relamping cycles
- Reduced maintenance costs
- 16,000 hours rated average life<sup>1</sup> (3 hours per start)
- 20,000 hours rated average life<sup>2</sup> (12 hours per start)
- Dimmable for application flexibility and energy savings
- PL-T non-amalgam 4-pin lamps may be used with electronic dimming and emergency ballasts.
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### Application

- First choice for short switching cycles, emergency lighting and deep dimming applications.
- Performs more optimally under air flow conditions and horizontal burning operation, compared to Philips PL-T amalgam containing lamps.

**PHILIPS**

Dimensional drawing



PL-T 42W/830/4P 1CT

Product	A (Max)	B (Max)	C (Max)	D (Max)
PL-T ALTO 42W/830/4P M	120.7	145.0	160.7	41.0
PL-T ALTO 42W/835/4P M	120.7	145.0	160.7	41.0
PL-T ALTO 42W/841/4P M	120.7	145.0	160.7	41.0

General Characteristics (1/2)

Product number	Full product name	Base	Life to 10% fail Preheat EL,3h	Life to 10% fail Nonpreh EL,3h	Rated Avg. Life	Life to 50% fail Nonpreh EL,3h	LSF HF Preheat 2000h Rated,3h	LSF HF Preheat 4000h Rated,3h	LSF HF Preheat 6000h Rated,3h	LSF HF Preheat 8000h Rated,3h	LSF HF Preheat 12000h Rated,3h
433375	PL-T ALTO 26W/827 /4P	GX24q-3	8000 hr	4500 hr	13000 hr	7000 hr	99 %	98 %	97 %	90 %	60 %
433383	PL-T 26W/830/4P 1CT	GX24q-3	8000 hr	4500 hr	13000 hr	7000 hr	99 %	98 %	97 %	90 %	60 %
433391	PL-T ALTO 26W/835/4P	GX24q-3	8000 hr	4500 hr	13000 hr	7000 hr	99 %	98 %	97 %	90 %	60 %
433409	PL-T ALTO 26W/841/4P	GX24q-3	8000 hr	4500 hr	13000 hr	7000 hr	99 %	98 %	97 %	90 %	60 %
433417	PL-T ALTO 32W/827/4P	GX24q-3	8000 hr	4500 hr	13000 hr	7000 hr	99 %	98 %	97 %	90 %	60 %
433433	PL-T ALTO 32W/830/4P	GX24q-3	8000 hr	4500 hr	13000 hr	7000 hr	99 %	98 %	97 %	90 %	60 %
433441	PL-T ALTO 32W/835/4P	GX24q-3	8000 hr	4500 hr	13000 hr	7000 hr	99 %	98 %	97 %	90 %	60 %
433458	PL-T ALTO 32W/841/4P	GX24q-3	8000 hr	4500 hr	13000 hr	7000 hr	99 %	98 %	97 %	90 %	60 %
433466	PL-T 42W/830/4P 1CT	GX24q-4	8000 hr	4500 hr	13000 hr	7000 hr	99 %	98 %	97 %	90 %	60 %
433474	PL-T ALTO 42W/835/4P	GX24q-4	8000 hr	4500 hr	13000 hr	7000 hr	99 %	98 %	97 %	90 %	60 %
433482	PL-T ALTO 42W/841/4P	GX24q-4	8000 hr	4500 hr	13000 hr	7000 hr	99 %	98 %	97 %	90 %	60 %

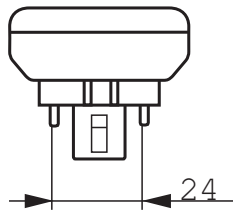
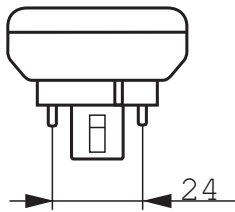
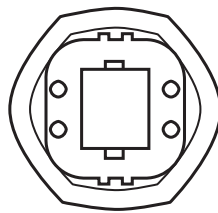
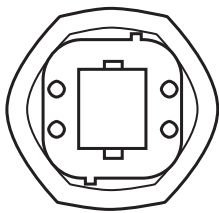
General Characteristics (2/2)

Product number	Full product name	LSF HF Preheat 16000h Rated, 3h	LSF HF Preheat 20000h Rated, 3h
433375	PL-T ALTO 26W/827 /4P	%	%
433383	PL-T 26W/830/4P 1CT	%	%
433391	PL-T ALTO 26W/835/4P	%	%
433409	PL-T ALTO 26W/841/4P	%	%

Product number	Full product name	LSF HF Preheat 16000h Rated, 3h	LSF HF Preheat 20000h Rated, 3h
433417	PL-T ALTO 32W/827/4P	%	%
433433	PL-T ALTO 32W/830/4P	%	%
433441	PL-T ALTO 32W/835/4P	%	%

Product number	Full product name	LSF HF Preheat 16000h Rated, 3h	LSF HF Preheat 20000h Rated, 3h
433458	PL-T ALTO 32W/841/4P	%	%
433466	PL-T 42W/830/4P 1CT	%	%
433474	PL-T ALTO 42W/835/4P	%	%
433482	PL-T ALTO 42W/841/4P	%	%

Installation diagrams



GX24q-3

GX24q-4

Light Technical Characteristics (1/2)

Product number	Full product name	Color Code	Color Rendering Index	Color Designation	Color Temperature	Luminous Flux EM 25°C, Rated	Luminous Flux EL 25°C, Rated	Luminous Flux EL 25°C, Nominal	Lum Efficacy Rated EM 25°C	Lum Efficacy Rated HF 25°C	LLMF HF 2000h Rated
433375	PL-T ALTO 26W/827 /4P	827	82 Ra8	Warm White	2700 K	Lm	1725 Lm	1750 Lm	65.1 Lm/W	67.3 (min) Lm/W	92 %
433383	PL-T 26W/830/4P 1CT	830	83 Ra8	Warm White	3000 K	Lm	1675 Lm	1700 Lm	63.2 Lm/W	65.4 (min) Lm/W	92 %
433391	PL-T ALTO 26W/835/4P	835	82 Ra8	Halogen White	3500 K	Lm	1725 Lm	1750 Lm	65.1 Lm/W	67.3 (min) Lm/W	92 %
433409	PL-T ALTO 26W/841/4P	841	80 Ra8	Cool White	4100 K	Lm	1725 Lm	1750 Lm	65.1 Lm/W	67.3 (min) Lm/W	92 %
433417	PL-T ALTO 32W/827/4P	827	82 Ra8	Warm White	2700 K	Lm	2300 Lm	2300 Lm	71.9 Lm/W	71.9 (min) Lm/W	92 %
433433	PL-T ALTO 32W/830/4P	830	83 Ra8	Warm White	3000 K	Lm	2230 Lm	2230 Lm	69.7 Lm/W	69.7 (min) Lm/W	92 %
433441	PL-T ALTO 32W/835/4P	835	82 Ra8	Halogen White	3500 K	Lm	2300 Lm	2300 Lm	71.9 Lm/W	71.9 (min) Lm/W	92 %
433458	PL-T ALTO 32W/841/4P	841	80 Ra8	Cool White	4000 K	Lm	2300 Lm	2300 Lm	71.9 Lm/W	71.9 (min) Lm/W	92 %
433466	PL-T 42W/830/4P 1CT	830	83 Ra8	Warm White	3000 K	Lm	2900 Lm	3000 Lm	70.7 Lm/W	73.2 (min) Lm/W	92 %

Product number	Full product name	Color Code	Color Rendering Index	Color Designation	Color Temperature	Luminous Flux EM 25°C, Rated	Luminous Flux EL 25°C, Rated	Luminous Flux EL 25°C, Nominal	Lum Efficacy Rated EM 25°C	Lum Efficacy Rated HF 25°C	LLMF HF 2000h Rated
433474	PL-T ALTO 42W/835/4P	835	83 Ra8	Halogen White	3500 K	Lm	3000 Lm	3100 Lm	73.2 Lm/W	75.6 (min) Lm/W	92 %
433482	PL-T ALTO 42W/841/4P	841	80 Ra8	Cool White	4000 K	Lm	3000 Lm	3100 Lm	73.2 Lm/W	75.6 (min) Lm/W	92 %

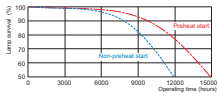
### Light Technical Characteristics (2/2)

Product number	Full product name	LLMF HF 4000h Rated	LLMF HF 6000h Rated	LLMF HF 8000h Rated	LLMF HF 12000h Rated	LLMF HF 16000h Rated	LLMF HF 20000h Rated	Design Temperature	Chromaticity Coordinate X	Chromaticity Coordinate Y
433375	PL-T ALTO 26W/827 /4P	88 %	86 %	83 %	81 %	%	%	25 C	453 -	418 -
433383	PL-T 26W/830/4P 1CT	88 %	86 %	83 %	81 %	%	%	25 C	436 -	401 -
433391	PL-T ALTO 26W/835/4P	88 %	86 %	83 %	81 %	%	%	25 C	412 -	402 -
433409	PL-T ALTO 26W/841/4P	88 %	86 %	83 %	81 %	%	%	25 C	385 -	388 -
433417	PL-T ALTO 32W/827/4P	88 %	86 %	83 %	81 %	%	%	25 C	453 -	418 -
433433	PL-T ALTO 32W/830/4P	88 %	86 %	83 %	81 %	%	%	25 C	436 -	401 -
433441	PL-T ALTO 32W/835/4P	88 %	86 %	83 %	81 %	%	%	25 C	412 -	402 -
433458	PL-T ALTO 32W/841/4P	88 %	86 %	83 %	81 %	%	%	25 C	382 -	389 -
433466	PL-T 42W/830/4P 1CT	88 %	86 %	84 %	81 %	%	%	28 C	436 -	401 -
433474	PL-T ALTO 42W/835/4P	88 %	86 %	84 %	81 %	%	%	28 C	412 -	402 -
433482	PL-T ALTO 42W/841/4P	88 %	86 %	84 %	81 %	%	%	28 C	382 -	389 -

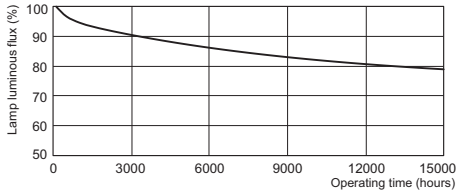
### Electrical Characteristics

Product number	Full product name	Watts	Lamp Wattage EM 25°C, Nominal	Lamp Wattage EL 25°C, Rated	Lamp Wattage EL 25°C, Nominal	Lamp Voltage EL 25°C	Lamp Current EM 25°C	Lamp Current EL 25°C	Dimmable
433375	PL-T ALTO 26W/827 /4P	26 W	W	26 W	26.5 W	100 V	A	0.335 A	Yes
433383	PL-T 26W/830/4P 1CT	26 W	W	26 W	26.5 W	100 V	A	0.335 A	Yes
433391	PL-T ALTO 26W/835/4P	26 W	W	26 W	26.5 W	100 V	A	0.335 A	Yes
433409	PL-T ALTO 26W/841/4P	26 W	W	26 W	26.5 W	100 V	A	0.335 A	Yes
433417	PL-T ALTO 32W/827/4P	32 W	W	32 W	32 W	100 V	A	0.320 A	Yes
433433	PL-T ALTO 32W/830/4P	32 W	W	32 W	32 W	100 V	A	0.320 A	Yes
433441	PL-T ALTO 32W/835/4P	32 W	W	32 W	32 W	100 V	A	0.320 A	Yes
433458	PL-T ALTO 32W/841/4P	32 W	W	32 W	32 W	100 V	A	0.320 A	Yes
433466	PL-T 42W/830/4P 1CT	42 W	W	41.0 W	42 W	125 V	A	0.320 A	Yes
433474	PL-T ALTO 42W/835/4P	42 W	W	41.0 W	42 W	125 V	A	0.320 A	Yes
433482	PL-T ALTO 42W/841/4P	42 W	W	41.0 W	42 W	125 V	A	0.320 A	Yes

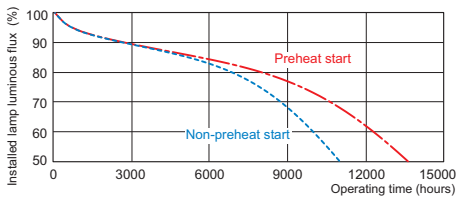
Performance diagrams



Life Expectancy 3 h cycle



Lumen Maintenance 3 h and 12 h cycle



Service Lifetime 3 h cycle

Environmental Characteristics

Product number	Full product name	Energy Efficiency Label (EEL)	Mercury (Hg) Content	Energy consumption kWh/1000h
433375	PL-T ALTO 26W/827 /4P	A	1.4 mg	29 kWh
433383	PL-T 26W/830/4P 1CT	A	1.4 mg	29 kWh
433391	PL-T ALTO 26W/835/4P	A	1.4 mg	29 kWh
433409	PL-T ALTO 26W/841/4P	A	1.4 mg	29 kWh
433417	PL-T ALTO 32W/827/4P	A	1.4 mg	29 kWh
433433	PL-T ALTO 32W/830/4P	A	1.4 mg	29 kWh
433441	PL-T ALTO 32W/835/4P	A	1.4 mg	29 kWh
433458	PL-T ALTO 32W/841/4P	A	1.4 mg	29 kWh
433466	PL-T 42W/830/4P 1CT	A	1.4 mg	45 kWh
433474	PL-T ALTO 42W/835/4P	A	1.4 mg	45 kWh
433482	PL-T ALTO 42W/841/4P	A	1.4 mg	45 kWh

Measuring Conditions

Product number	Full product name	Calibration Current	HF Generator Rated Voltage	Resistor
433375	PL-T ALTO 26W/827 /4P	A	V	ohm
433383	PL-T 26W/830/4P 1CT	A	V	ohm
433391	PL-T ALTO 26W/835/4P	A	V	ohm
433409	PL-T ALTO 26W/841/4P	A	V	ohm
433417	PL-T ALTO 32W/827/4P	A	V	ohm
433433	PL-T ALTO 32W/830/4P	A	V	ohm
433441	PL-T ALTO 32W/835/4P	A	V	ohm
433458	PL-T ALTO 32W/841/4P	A	V	ohm
433466	PL-T 42W/830/4P 1CT	0.320 A	270 V	420 ohm
433474	PL-T ALTO 42W/835/4P	0.320 A	270 V	420 ohm
433482	PL-T ALTO 42W/841/4P	0.320 A	270 V	420 ohm