



Energy savings, extra long life, extra low mercury

Energy Advantage Extra Long Life T8

Philips Energy Advantage T8 Extra Long Life lamps are an industry first. These lamps offer high energy savings and have extra long life.

Benefits

- Save \$32 in energy costs over the rated average life of the lamp** when compared to a standard 32W T8 lamp
- Operates on any Instant Start and Programmed Start ballast***
- Significantly reduce maintenance and recycling costs by extending the relamping cycle
- Reduced impact on the environment without sacrificing performance
- ^{**}When comparing Philips Energy Advantage T8 32W with 2400 lumens to a 4' industry standard 32W lamp with 2850 lumens. Based on wattage savings (7W) x rated average life (46,000 hours) x kWh rate (\$.10).
- ^{***}Starting voltage must be equal to or greater than 550V. These lamps should not be used where the temperature in fixture is below 70°F. Striations may occur where air movement is present in fixture. For best operation, use ballast with anti-striation circuitry.

Features

- Save 7 watts per lamp instantly when comparing an Energy Advantage T8 25W to a standard 32W T8 lamp
- Only 1.7mg of mercury with ALTO II Technology
- Significantly reduce maintenance and recycling costs by extending the relamping cycle
- Available in multiple color temperatures: 3000K, 3500K, 4100K, and 5000K

Energy Advantage Extra Long Life T8

Application

- Ideal for applications where energy savings and longer relamp cycles would be beneficial.

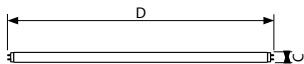
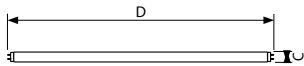
Versions



G13, T8

T8 ALTO

Dimensional drawing



Product
F32T8/ADV850/2XL/ALTO II 28W 30PK
F32T8/ADV841/2XL/ALTO II 28W 30PK
F32T8/ADV835/2XL/ALTO II 25W 30PK
F32T8/ADV850/2XL/ALTO II 25W 30PK
F32T8/ADV841/2XL/ALTO II 25W 30PK
F32T8/ADV835/2XL/ALTO II 28W 30PK
F32T8/ADV830/2XL/ALTO II 25W 30PK
F32T8/ADV830/2XL/ALTO II 28W 30PK

Product
F32T8/ADV850/X LL ALTO 25W
F32T8/ADV841/XLL/ALTO 28W 30/1
F32T8/ADV835/XLL/ALTO 28W
F32T8/ADV841/X LL ALTO 25W
F32T8/ADV850/XLL/ALTO 28W 30/1
F32T8/ADV835/XLL ALTO 25W

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Approval and Application

Energy Saving Product	Energy Saving
Mercury (Hg) Content (Nom)	1.7 mg

General Information

Cap-Base	G13
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Mechanical and Housing

Bulb Shape	T8
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Approval and Application

Order Code	Full Product Name	Picogram Per Lumen Hour
281220	F32T8/ADV835/XLL ALTO 25W 30PK	20 pg/lm.h
281238	F32T8/ADV841/X LL ALTO 25W 30PK	20 pg/lm.h
281253	F32T8/ADV850/X LL ALTO 25W 30PK	21 pg/lm.h
281485	F32T8/ADV835/XLL/ALTO 28W	18 pg/lm.h
281279	F32T8/ADV841/XLL/ALTO 28W 30/1	18 pg/lm.h
281287	F32T8/ADV850/XLL/ALTO 28W 30/1	19 pg/lm.h
434019	F32T8/ADV830/2XL/ALTO II 28W 30PK	-

Order Code	Full Product Name	Picogram Per Lumen Hour
434027	F32T8/ADV835/2XL/ALTO II 28W 30PK	-
434035	F32T8/ADV841/2XL/ALTO II 28W 30PK	-
434043	F32T8/ADV850/2XL/ALTO II 28W 30PK	-
433952	F32T8/ADV830/2XL/ALTO II 25W 30PK	-
433960	F32T8/ADV835/2XL/ALTO II 25W 30PK	-
433978	F32T8/ADV841/2XL/ALTO II 25W 30PK	-
433986	F32T8/ADV850/2XL/ALTO II 25W 30PK	-

Operating and Electrical

Order Code	Full Product Name	Power (Rated) (Nom)
281220	F32T8/ADV835/XLL ALTO 25W 30PK	25 W
281238	F32T8/ADV841/X LL ALTO 25W 30PK	25 W
281253	F32T8/ADV850/X LL ALTO 25W 30PK	25 W
281485	F32T8/ADV835/XLL/ALTO 28W	28 W
281279	F32T8/ADV841/XLL/ALTO 28W 30/1	28 W
281287	F32T8/ADV850/XLL/ALTO 28W 30/1	28 W
434019	F32T8/ADV830/2XL/ALTO II 28W 30PK	28 W

Order Code	Full Product Name	Power (Rated) (Nom)
434027	F32T8/ADV835/2XL/ALTO II 28W 30PK	28 W
434035	F32T8/ADV841/2XL/ALTO II 28W 30PK	28 W
434043	F32T8/ADV850/2XL/ALTO II 28W 30PK	28 W
433952	F32T8/ADV830/2XL/ALTO II 25W 30PK	25 W
433960	F32T8/ADV835/2XL/ALTO II 25W 30PK	25 W
433978	F32T8/ADV841/2XL/ALTO II 25W 30PK	25 W
433986	F32T8/ADV850/2XL/ALTO II 25W 30PK	25 W

General Information

Order Code	Full Product Name	Life 12-Hr		Life 3-Hr	
		Instant Start [Hrs]	Life 12-Hr Programstart [Hrs]	Instant Start [Hrs]	Life 3-Hr Program Start [Hrs]
281220	F32T8/ADV835/XLL ALTO 25W 30PK	46000 h	52000 h	40000 h	46000 h
281238	F32T8/ADV841/X LL ALTO 25W 30PK	46000 h	52000 h	40000 h	46000 h
281253	F32T8/ADV850/X LL ALTO 25W 30PK	46000 h	52000 h	40000 h	46000 h
281485	F32T8/ADV835/XLL/ALTO 28W	46000 h	52000 h	40000 h	46000 h
281279	F32T8/ADV841/XLL/ALTO 28W 30/1	46000 h	52000 h	40000 h	46000 h
281287	F32T8/ADV850/XLL/ALTO 28W 30/1	46000 h	52000 h	40000 h	46000 h
434019	F32T8/ADV830/2XL/ALTO II 28W 30PK	68000 h	90000 h	60000 h	80000 h

Order Code	Full Product Name	Life 12-Hr		Life 3-Hr	
		Instant Start [Hrs]	Life 12-Hr Programstart [Hrs]	Instant Start [Hrs]	Life 3-Hr Program Start [Hrs]
434027	F32T8/ADV835/2XL/ALTO II 28W 30PK	68000 h	90000 h	60000 h	80000 h
434035	F32T8/ADV841/2XL/ALTO II 28W 30PK	68000 h	90000 h	60000 h	80000 h
434043	F32T8/ADV850/2XL/ALTO II 28W 30PK	68000 h	90000 h	60000 h	80000 h
433952	F32T8/ADV830/2XL/ALTO II 25W 30PK	68000 h	90000 h	60000 h	80000 h
433960	F32T8/ADV835/2XL/ALTO II 25W 30PK	68000 h	90000 h	60000 h	80000 h
433978	F32T8/ADV841/2XL/ALTO II 25W 30PK	68000 h	90000 h	60000 h	80000 h
433986	F32T8/ADV850/2XL/ALTO II 25W 30PK	68000 h	90000 h	60000 h	80000 h

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Light Technical

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color	Color Rendering	Design Mean	Luminous Flux (Nom)
				Temperature (Nom)	Index (Nom)	Lumens	
281220	F32T8/ADV835/XLL ALTO 25W 30PK	Advantage 835	Advantage 835	3500 K	85	2330 lm	2400 lm
281238	F32T8/ADV841/X LL ALTO 25W 30PK	Advantage 841	Advantage 841	4100 K	85	2330 lm	2400 lm
281253	F32T8/ADV850/X LL ALTO 25W 30PK	Advantage 850	Advantage 850	5000 K	85	2280 lm	2350 lm
281485	F32T8/ADV835/XLL/ALTO 28W	Advantage 835	Advantage 835	3500 K	85	2595 lm	2675 lm
281279	F32T8/ADV841/XLL/ALTO 28W 30/1	Advantage 841	Advantage 841	4100 K	85	2595 lm	2675 lm
281287	F32T8/ADV850/XLL/ALTO 28W 30/1	Advantage 850	Advantage 850	5000 K	85	2545 lm	2625 lm
434019	F32T8/ADV830/2XL/ALTO II 28W 30PK	830	Advantage 830	3000 K	85	2570 lm	2650 lm
434027	F32T8/ADV835/2XL/ALTO II 28W 30PK	835	Advantage 835	3500 K	84	2570 lm	2650 lm
434035	F32T8/ADV841/2XL/ALTO II 28W 30PK	841	Advantage 841	4100 K	82	2570 lm	2650 lm
434043	F32T8/ADV850/2XL/ALTO II 28W 30PK	850	Advantage 850	5000 K	82	2520 lm	2600 lm
433952	F32T8/ADV830/2XL/ALTO II 25W 30PK	830	Advantage 830	3000 K	85	2330 lm	2400 lm
433960	F32T8/ADV835/2XL/ALTO II 25W 30PK	835	Advantage 835	3500 K	84	2330 lm	2400 lm
433978	F32T8/ADV841/2XL/ALTO II 25W 30PK	841	Advantage 841	4100 K	82	2330 lm	2400 lm
433986	F32T8/ADV850/2XL/ALTO II 25W 30PK	850	Advantage 850	5000 K	82	2280 lm	2350 lm

