



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

Application

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

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Warnings and Safety

- It's strongly recommended to replace Secura lamps before or at the moment the specified lamp life (50% failures @ 3 hrs switching cycle) is reached.

General Information

order code	Cap-Base	Life 12-Hr Instant Start [Hrs]	Life 12-Hr Program-start [Hrs]	Life 3-Hr Instant Start [Hrs]	Life 3-Hr Program Start [Hrs]
281212	Medium Bi-Pin	46000	52000	40000	46000
281220	Medium Bi-Pin	46000	52000	40000	46000
281238	Medium Bi-Pin	46000	52000	40000	46000
281253	Medium Bi-Pin	46000	52000	40000	46000
434050	Medium Bi-Pin	52000	70000	46000	60000
434068	Medium Bi-Pin	52000	70000	46000	60000
434076	Medium Bi-Pin	52000	70000	46000	60000
434019	Medium Bi-Pin	68000	90000	60000	80000
434027	Medium Bi-Pin	68000	90000	60000	80000
434035	Medium Bi-Pin	68000	90000	60000	80000
434043	Medium Bi-Pin	68000	90000	60000	80000

order code	Cap-Base	Life 12-Hr Instant Start [Hrs]	Life 12-Hr Program-start [Hrs]	Life 3-Hr Instant Start [Hrs]	Life 3-Hr Program Start [Hrs]
433952	Medium Bi-Pin	68000	90000	60000	80000
433960	Medium Bi-Pin	68000	90000	60000	80000
433978	Medium Bi-Pin	68000	90000	60000	80000
433986	Medium Bi-Pin	68000	90000	60000	80000
281469	Medium Bi-Pin	46000	52000	40000	46000
281485	Medium Bi-Pin	46000	52000	40000	46000
281279	Medium Bi-Pin	46000	52000	40000	46000
281287	Medium Bi-Pin	46000	52000	40000	46000

Light Technical

order code	Color Code	Color Designation	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Design Mean Lumens	Luminous Flux (Nom)
281212	Advantage 830	Advantage 830	3000	85	2330	2400
281220	Advantage 835	Advantage 835	3500	85	2330	2400
281238	Advantage 841	Advantage 841	4100	85	2330	2400
281253	Advantage 850	Advantage 850	5000	85	2280	2350
434050	835	Advantage 835	3500	84	2800	2950
434068	841	Advantage 841	3500	82	2800	2950
434076	850	Advantage 850	5000	82	2710	2850
434019	830	Advantage 830	3000	85	2570	2650
434027	835	Advantage 835	3500	84	2570	2650
434035	841	Advantage 841	4100	82	2570	2650
434043	850	Advantage 850	5000	82	2520	2600
433952	830	Advantage 830	3000	85	2330	2400
433960	835	Advantage 835	3500	84	2330	2400
433978	841	Advantage 841	4100	82	2330	2400
433986	850	Advantage 850	5000	82	2280	2350
281469	Advantage 830	Advantage 830	3000	85	2595	2675
281485	Advantage 835	Advantage 835	3500	85	2595	2675
281279	Advantage 841	Advantage 841	4100	85	2595	2675
281287	Advantage 850	Advantage 850	5000	85	2545	2625

Operating and Electrical

order code	Power (Rated) (Nom)
281212	25
281220	25
281238	25
281253	25
434050	32
434068	32
434076	32
434019	28
434027	28
434035	28
434043	28
433952	25
433960	25
433978	25
433986	25
281469	28
281485	28
281279	28
281287	28

order code	Bulb Shape
433952	T8
433960	T8
433978	T8
433986	T8
281469	T8
281485	T8
281279	T8
281287	T8

Approval and Application

order code	Energy Saving Product	Mercury (Hg) Content (Nom)	Picogram Per Lumen Hour
281212	Energy Saving	1.7	20
281220	Energy Saving	1.7	20
281238	Energy Saving	1.7	20
281253	Energy Saving	1.7	21
434050	Energy Saving	1.7	-
434068	Energy Saving	1.7	-
434076	Energy Saving	1.7	-
434019	Energy Saving	1.7	-
434027	Energy Saving	1.7	-
434035	Energy Saving	1.7	-
434043	Energy Saving	1.7	-
433952	Energy Saving	1.7	-
433960	Energy Saving	1.7	-
433978	Energy Saving	1.7	-
433986	Energy Saving	1.7	-
281469	Energy Saving	1.7	18
281485	Energy Saving	1.7	18
281279	Energy Saving	1.7	18
281287	Energy Saving	1.7	19

Mechanical and Housing

order code	Bulb Shape
281212	T8
281220	T8
281238	T8
281253	T8
434050	T8
434068	T8
434076	T8
434019	T8
434027	T8
434035	T8
434043	T8



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