



Energy savings, extra low mercury

Energy Advantage T8

Philips Energy Advantage T8 lamps offer high energy savings without sacrificing performance.

Benefits

- Operates on any Instant Start and Programmed Start Ballast†
- Reduce maintenance costs by extending the relamping cycle
- Reduced impact on the environment without sacrificing performance
- † Starting voltage should be equal to or greater than 550V. These lamps are not recommended for use 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 and nearly \$26 in energy costs over the life of the lamp when comparing the Energy Advantage T8 25W XEW to a standard T8 32W lamp**
- Available in multiple wattages: 25W, 28W and 30W
- Available in multiple color temperatures: 3000K, 3500K, 4100K, 5000K
- ** Based on wattage savings (7W) x rated average life (38,000 hours) x kWh rate (\$.10).

Application

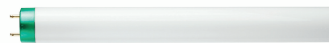
- Ideal for applications requiring maximum energy savings.

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.

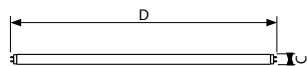
Energy Advantage T8

Versions



G13, T8

Dimensional drawing



Product
F32T8/ADV830/EW/ALTO 28W 30PK
F32T8/ADV835/EW/ALTO 28W 30PK
F32T8/ADV841/EW/ALTO 28W 30PK
F32T8/ADV850/EW/ALTO 28W 30PK
F32T8/ADV835/XEW/ALTO 25W 30PK
F32T8/ADV841/XEW/ALTO 25W 30PK
F32T8/ADV850/XEW/ALTO 25W 30PK

Approval and application	
Energy Saving Product	Energy Saving
Mercury (Hg) Content (Nom)	1.7 mg
General information	
Cap-Base	G13
Life 12-Hr Instant Start [Hrs]	38000 h
Life 12-Hr Programstart [Hrs]	44000 h
Life 3-Hr Instant Start [Hrs]	32000 h
Life 3-Hr Program Start [Hrs]	38000 h
Mechanical and housing	
Bulb Shape	T8

Order Code	Full Product Name	Picogram Per Lumen Hour
281014	F32T8/ADV830/EW/ALTO 28W 30PK	27 pg/lm.h
281022	F32T8/ADV835/EW/ALTO 28W 30PK	27 pg/lm.h
281030	F32T8/ADV841/EW/ALTO 28W 30PK	27 pg/lm.h
281055	F32T8/ADV850/EW/ALTO 28W 30PK	27 pg/lm.h
282095	F32T8/ADV835/XEW/ALTO 25W 30PK	29 pg/lm.h
280784	F32T8/ADV841/XEW/ALTO 25W 30PK	29 pg/lm.h
280792	F32T8/ADV850/XEW/ALTO 25W 30PK	30 pg/lm.h

Operating and electrical

Order Code	Full Product Name	Power (Nom)
281014	F32T8/ADV830/EW/ALTO 28W 30PK	28 W
281022	F32T8/ADV835/EW/ALTO 28W 30PK	28 W
281030	F32T8/ADV841/EW/ALTO 28W 30PK	28 W
281055	F32T8/ADV850/EW/ALTO 28W 30PK	28 W

Order Code	Full Product Name	Power (Nom)
282095	F32T8/ADV835/XEW/ALTO 25W 30PK	25 W
280784	F32T8/ADV841/XEW/ALTO 25W 30PK	25 W
280792	F32T8/ADV850/XEW/ALTO 25W 30PK	25 W

Light technical (1/2)

Energy Advantage T8

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)
281014	F32T8/ ADV830/EW/ ALTO 28W 30PK	Advantage 830	Advantage 830	3000 K	85
281022	F32T8/ ADV835/EW/ ALTO 28W 30PK	Advantage 835	Advantage 835	3500 K	85
281030	F32T8/ ADV841/EW/ ALTO 28W 30PK	Advantage 841	Advantage 841	4100 K	82
281055	F32T8/ ADV850/EW/	Advantage 850	Advantage 850	5000 K	82

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)
	ALTO 28W 30PK				
282095	F32T8/ ADV835/XEW/ ALTO 25W 30PK	Advantage 835	Advantage 835	3500 K	85
280784	F32T8/ ADV841/XEW/ ALTO 25W 30PK	Advantage 841	Advantage 841	4100 K	85
280792	F32T8/ ADV850/XEW/ ALTO 25W 30PK	Advantage 850	Advantage 850	5000 K	82

Light technical (2/2)

Order Code	Full Product Name	Design Mean Lumens	Luminous Flux (Nom)
281014	F32T8/ADV830/EW/ALTO 28W 30PK	2645 lm	2725 lm
281022	F32T8/ADV835/EW/ALTO 28W 30PK	2645 lm	2725 lm
281030	F32T8/ADV841/EW/ALTO 28W 30PK	2645 lm	2725 lm
281055	F32T8/ADV850/EW/ALTO 28W 30PK	2595 lm	2675 lm

Order Code	Full Product Name	Design Mean Lumens	Luminous Flux (Nom)
282095	F32T8/ADV835/XEW/ALTO 25W 30PK	2425 lm	2500 lm
280784	F32T8/ADV841/XEW/ALTO 25W 30PK	2425 lm	2500 lm
280792	F32T8/ADV850/XEW/ALTO 25W 30PK	2330 lm	2400 lm

