

Fluorescent Lamps

Energy Advantage T8 Lamps

Watts	Product Number	Symbols, Footnotes	Ordering Code	Pkg. Qty.	Description	Nom. Length (In.)	Rated Average Life		Approx. Initial Lumens (203,204)	Design Lumens (208)	CRI
							3 Hr. Start	12 Hr. Start (241)			

Energy Advantage T8 25 Watt Fluorescent Lamps

T8 Medium Bipin Featuring ALTO II Technology

25	28204-6	Ⓢ ●	F32T8/ADV830/XEW/ALTO 25 Watt	30	Advantage 830, 3000K	48	32,000	38,000	2500	2450	85
	28209-5	Ⓢ ●	F32T8/ADV835/XEW/ALTO 25 Watt	30	Advantage 835, 3500K	48	32,000	38,000	2500	2450	84
	28078-4	Ⓢ ●	F32T8/ADV841/XEW/ALTO 25 Watt	30	Advantage 841, 4100K	48	32,000	38,000	2500	2450	82
	15238-9	Ⓢ ●	F32T8/ADV841/XEW/ALTO 25 Watt	10	Advantage 841, 4100K, 10PK	48	32,000	38,000	2500	2450	82
	28079-2	Ⓢ ●	F32T8/ADV850/XEW/ALTO 25 Watt	30	Advantage 850, 5000K	48	32,000	38,000	2400	2350	82

Energy Advantage T8 28 Watt Fluorescent Lamps

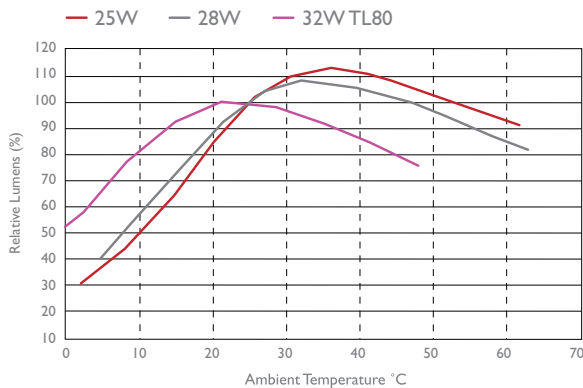
T8 Medium Bipin Featuring ALTO II Technology

28	28101-4	Ⓢ ●	F32T8/ADV830/EW/ALTO 28 Watt	30	Advantage 830, 3000K	48	32,000	38,000	2725	2645	85
	28102-2	Ⓢ ●	F32T8/ADV835/EW/ALTO 28 Watt	30	Advantage 835, 3500K	48	32,000	38,000	2725	2645	84
	28103-0	Ⓢ ●	F32T8/ADV841/EW/ALTO 28 Watt	30	Advantage 841, 4100K	48	32,000	38,000	2725	2645	82
	28105-5	Ⓢ ●	F32T8/ADV850/EW/ALTO 28 Watt	30	Advantage 850, 5000K	48	32,000	38,000	2675	2595	82

For the most current product information, go to the e-catalog on www.philips.com
Fluorescent symbols and footnotes located on page 40

Relative Light Output vs. Ambient Temperature

4' T8 Lamps—0.88 BF Ballast



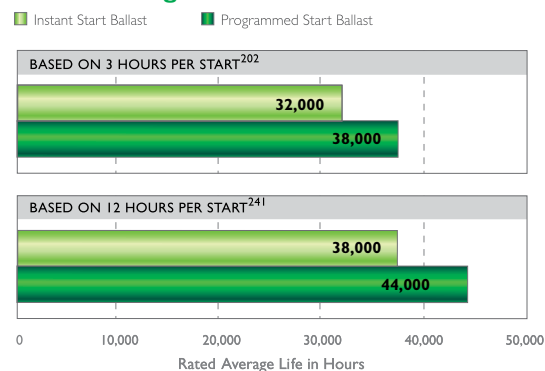
Relative light output with respect to 25°C rated temperature

Energy Advantage 25W T8 Savings

Save 7 Watts Instantly			
7 watts per lamp saved	Energy Savings Calculator		
	Annual Operating Hours**	Savings Over Lamp Life	
KWH Rate	4380	8760	38,000 hrs.
\$0.06	\$1.84	\$3.68	\$15.96
\$0.08	\$2.45	\$4.90	\$20.28
\$0.10	\$3.07	\$6.13	\$26.60
\$0.12	\$3.68	\$7.36	\$31.92
\$0.20	\$6.13	\$12.26	\$53.20

** 4380 hours are based on operating the lamps 12 hours per day/7 days per week.
8760 hours are based on operating the lamps 24 hours per day/7 days per week.

Rated Average Life



T8 Medium Bipin

Cost of Ownership Savings

Energy Advantage T8 fluorescent lamps vs. standard T8 lamps.

General Overview

Energy Advantage 25W T8 fluorescent lamps provide energy savings of up to 25% versus standard 32W T8, so the benefits and financial impact can be significant.

Benefits

By using Energy Advantage 25W T8 lamps the energy savings of 7 watts per lamp can be achieved instantly by simply changing the lamp.

Financial Impact

Energy Savings per Lamp	7 W
Operating Hours per Year	8760 hours, continuous burn
Cost per kWh	\$.10

Cost of Ownership Savings = \$6.13 per lamp per year