

Philips TuffGuard T8 Fluorescent Coated Lamps

Electrical and Technical Data (Subject to change without notice)



Product Number	Ordering Code	Watts	Pkg Qty	Color Temp. (K)	Nom. Length (In.)	Rated Avg. Life (Hrs.) ¹	Approx. Initial Lumens ²	CRI	Availability
41312-1	F15T8/CW TG	15	25	4100	18	10,000	870	62	Stocked
41316-1	F17T8/TL830/PLUS/ALTO TG	17	25	3000	48	36,000	1400	85	Stocked
16731-2	F17T8/TL835/ALTO TG	17	25	3500	24	30,000	1400	85	Made to Order
16898-9	F17T8/TL841/ALTO TG	17	25	4100	24	30,000	1400	85	Made to Order
16316-2	F25T8/TL830/PLUS/ALTO TG	25	25	3000	36	36,000	2225	85	Stocked
16306-3	F25T8/TL835/PLUS/ALTO TG	25	25	3500	36	36,000	2225	85	Stocked
16305-5	F25T8/TL841/PLUS/ALTO TG	25	25	4100	36	36,000	2225	85	Stocked
16670-2	F25T8/TL835/ALTO TG	25	25	3500	36	30,000	2225	85	Made to Order
16787-4	F25T8/TL841/ALTO TG	25	25	4100	36	30,000	2225	85	Made to Order
16975-5	F32T8/ADV841/XLL/ALTO TG 25W	25	25	4100	48	40,000	2400	85	Stocked
16294-1	F32T8/ADV835/XEW/ALTO TG 25W	25	25	3500	48	36,000	2500	85	Stocked
16293-3	F32T8/ADV841/XEW/ALTO TG 25W	25	25	4100	48	36,000	2500	85	Stocked
16966-4	F32T8/ADV830/EW/ALTO 28W TG	28	25	3000	48	36,000	2725	85	Stocked
16958-1	F32T8/ADV835/EW/ALTO 28W TG	28	25	3500	48	36,000	2725	85	Stocked
16959-9	F32T8/ADV841/EW/ALTO 28W TG	28	25	4100	48	36,000	2725	85	Stocked
16965-6	F32T8/ADV850/EW/ALTO 28W TG	28	25	5000	48	36,000	2675	85	Stocked
16863-3	F32T8/ADV830/ALTO TG	32	25	3000	48	30,000	3150	85	Made to Order
16502-7	F32T8/ADV850/ALTO TG	32	25	5000	48	30,000	3050	85	Made to Order
16682-7	F32T8/ADV850/XEW/ALTO TG	32	25	5000	48	30,000	2425	85	Made to Order
16894-8	F32T8/TL950 TG	32	25	5000	48	30,000	2000	98	Made to Order
16508-4	F32T8/TL730/ALTO TG	32	25	3000	48	30,000	2800	78	Made to Order
20428-9	F32T8/TL735/ALTO TG	32	25	3500	48	30,000	2800	78	Stocked
16484-8	F32T8/TL741/ALTO TG	32	25	4100	48	30,000	2800	78	Stocked
16619-9	F32T8/TL750/ALTO TG	32	25	5000	48	30,000	2700	78	Made to Order
16541-5	F32T8/TL830/ALTO TG	32	25	3000	48	30,000	2950	85	Stocked
16488-9	F32T8/TL835/ALTO TG	32	25	3500	48	30,000	2950	85	Stocked
16487-1	F32T8/TL841/ALTO TG	32	25	4100	48	30,000	2950	85	Made to Order
16503-5	F32T8/TL850/ALTO TG	32	25	5000	48	30,000	2850	85	Made to Order
16791-6	F32T8/TL865/PLUS/ALTO TG	32	25	6500	48	36,000	2750	85	Made to Order
16308-9	F32T8/ADV841/ALTO TG	32	25	4100	48	30,000	3150	85	Stocked
16246-1	F32T8/TL730/PLUS/ALTO TG	32	25	3000	48	36,000	2800	78	Stocked
16239-6	F32T8/TL735/PLUS/ALTO TG	32	25	3500	48	36,000	2800	78	Stocked
16078-8	F32T8/TL741/PLUS/ALTO TG	32	25	4100	48	36,000	2800	78	Stocked
16318-8	F32T8/TL750/PLUS/ALTO TG	32	25	5000	48	36,000	2700	78	Stocked
16275-0	F32T8/TL830/PLUS/ALTO TG	32	25	3000	48	36,000	2950	85	Stocked
16238-8	F32T8/TL835/PLUS/ALTO TG	32	25	3500	48	36,000	2950	85	Stocked
16295-8	F32T8/TL841/XLL/ALTO TG	32	25	4100	48	40,000	2950	85	Stocked
16274-3	F32T8/TL841/PLUS/ALTO TG	32	25	4100	48	36,000	2950	85	Stocked
16292-5	F32T8/TL850/PLUS/ALTO TG	32	25	5000	48	36,000	2850	85	Stocked
16323-8	F40T8/TL835/ALTO TG	40	25	3500	60	36,000	3775	85	Stocked
16439-2	F40T8/TL841/ALTO TG	40	25	4100	60	36,000	3775	85	Stocked
40905-2	F48T8/TL841/HO/ALTO TG [†]	44	25	4100	48	24,000	4000	85	Made to Order
40906-0	F96T8/TL735/PLUS/ALTO TG	54	25	3500	96	30,000	5700	78	Stocked
40907-8	F96T8/TL741/PLUS/ALTO TG	54	25	4100	96	30,000	5700	78	Made to Order
40908-6	F96T8/TL835/PLUS/ALTO TG	54	25	3500	96	30,000	5900	85	Made to Order
40909-4	F96T8/TL841/PLUS/ALTO TG	54	25	4100	96	30,000	5900	85	Made to Order
40910-2	F96T8/TL850/PLUS/ALTO TG	54	25	5000	96	30,000	5780	85	Stocked
40911-0	F96T8/TL835/HO/PLUS/ALTO TG [†]	86	25	3500	96	30,000	8200	85	Made to Order
40912-8	F96T8/TL841/HO/PLUS/ALTO TG [†]	86	25	4100	96	30,000	8200	85	Stocked
40913-6	F96T8/TL850/HO/PLUS/ALTO	86	25	5000	96	30,000	8100	85	Stocked

1) Average life under engineering data with lamps turned off and restarted once every 12 operating hours on an Instant Start Ballast.

2) Approximate initial lumens. The lamp lumen output is based upon lamp performance after 100 hours of operating life, when the output is measured during operation on a reference ballast under standard laboratory conditions. Protective coating may reduce initial lumens by 1–2%.

● This product utilizes ALTO Lamp Technology.

† All HO lamps recommended for use only in open fixtures.

**Made to order requires 3 week lead time
(No product returns on made to order lamps)**

WARNING:

Coating will not yellow, crack, or otherwise fail, subject to the following conditions:

- The lamps must be installed and operating in ambient temperatures below 120°F.
- The lamps cannot be used in fixtures employing defective ballasts, ballasts that have been used longer than their rated life or ballasts that are improperly wired.
- The lamps cannot be used in fixtures where poor pin contact occurs.
- Lamp types and ballast types must be compatible (Rapid start lamps with rapid start ballast, etc.).
- Lamps are recommended for open fixtures.