

Philips SILHOUETTE™ Long Life & Standard T5 Lamps featuring ALTO® Lamp Technology

SILHOUETTE T5 High Output Fluorescent Lamps:
Powerful, Environmentally-Responsible Ultra-Slim Lamps

Miniaturization: Slim Profile Lamp and Ballast

Operates on Programmed Start Electronic Ballasts

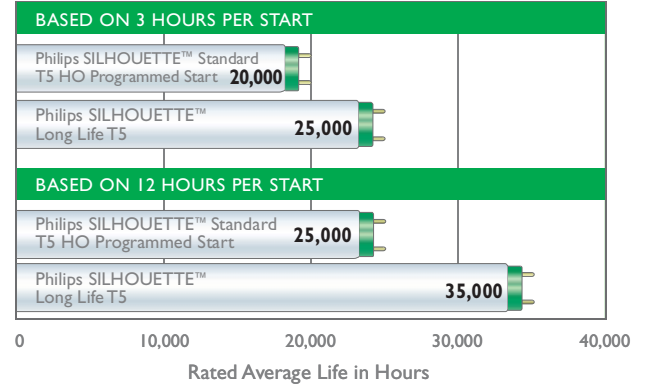
Environmentally Responsible: Low mercury—TCLP*-compliant;
energy efficient; long life

Sustainable Lighting Solution: Less mercury combined with energy
efficiency reduces the impact on the environment

Ideal for: Medium and High Bay Retail; Industrial Applications

Look for the Green End Caps®: Our Green End-Caps mean you
are using ALTO® environmentally-responsible lamps

Philips SILHOUETTE™ Long Life and
Standard T5 Lamp Rated Average Life



**SILHOUETTE Long Life T5
Warranty Period: 36 months**

SILHOUETTE T5 Warranty Period: 24 months



Nom. Lamp Watts	Product Number	Symbols, Footnotes	Ordering Code	Pkg. Qty.	Description	Nom. Length (In.)	Rated Avg. Life, Hrs.		Approx. Initial Lumens (203, 204)	Design Lumens (208)	CRI
							3-Hr. Start (202)	12-Hr. Start (241)			
SILHOUETTE™ Long Life T5 High Output Fluorescent Lamps T5 Miniature Bipin; Programmed Start											
54	29026-2	E \$	F54T5/830/HO/ALTO	40	TL 830, 3000K	46	25,000	35,000	5000	4750	85
	29028-8	E \$	F54T5/835/HO/ALTO	40	TL 835, 3500K	46	25,000	35,000	5000	4750	85
	29083-3	E \$	F54T5/841/HO/ALTO	40	TL 841, 4100K	46	25,000	35,000	5000	4750	85
	13510-3	E \$	F54T5/850/HO/ALTO	40	TL 850, 5000K	46	25,000	35,000	4850	4625	85
	14745-4	E \$	F54T5/865/HO/ALTO	40	TL 865, 6500K	46	25,000	35,000	4750	4500	85

Nom. Lamp Watts	Product Number	Symbols, Footnotes	Ordering Code	Pkg. Qty.	Description	Nom. Length (In.)	Rated Avg. Life, Hrs. (202)	Approx. Initial Lumens (203, 204)	Design Lumens (208)	CRI
14	23077-1	\$	F14T5/830/ALTO	40	TL 830, 3000K	22	20,000	1350	1275	85
	23079-7	\$	F14T5/835/ALTO	40	TL 835, 3500K	22	20,000	1350	1275	85
	23080-5	\$	F14T5/841/ALTO	40	TL 841, 4100K	22	20,000	1350	1275	85
21	23081-3	\$	F21T5/830/ALTO	40	TL 830, 3000K	34	20,000	2100	2000	85
	23082-1	\$	F21T5/835/ALTO	40	TL 835, 3500K	34	20,000	2100	2000	85
	23083-9	\$	F21T5/841/ALTO	40	TL 841, 4100K	34	20,000	2100	2000	85
28	23084-7	E \$	F28T5/830/ALTO	40	TL 830, 3000K	46	20,000	2900	2750	85
	23085-4	E \$	F28T5/835/ALTO	40	TL 835, 3500K	46	20,000	2900	2750	85
	23086-2	E \$	F28T5/841/ALTO	40	TL 841, 4100K	46	20,000	2900	2750	85
35	23088-8	\$	F35T5/830	40	TL 830, 3000K	58	20,000	3650	3450	85
	23091-2	\$	F35T5/835	40	TL 835, 3500K	58	20,000	3650	3450	85
	23095-3	\$	F35T5/841	40	TL 841, 4100K	58	20,000	3650	3450	85

Nom. Lamp Watts	Product Number	Symbols, Footnotes	Ordering Code	Pkg. Qty.	Description	Nom. Length (In.)	Rated Avg. Life, Hrs. (202)	Approx. Initial Lumens (203, 204)	Design Lumens (208)	CRI
24	29019-7	\$	F24T5/830/HO/ALTO	40	TL 830, 3000K	22	20,000	2000	1900	85
	29020-5	\$	F24T5/835/HO/ALTO	40	TL 835, 3500K	22	20,000	2000	1900	85
	29021-3	\$	F24T5/841/HO/ALTO	40	TL 841, 4100K	22	20,000	2000	1900	85
39	29022-1	\$	F39T5/830/HO/ALTO	40	TL 830, 3000K	34	20,000	3500	3325	85
	29023-9	\$	F39T5/835/HO/ALTO	40	TL 835, 3500K	34	20,000	3500	3325	85
	29025-4	\$	F39T5/841/HO/ALTO	40	TL 841, 4100K	34	20,000	3500	3325	85
80	29084-1	\$	F80T5/830/HO	40	TL 830, 3000K	58	20,000	7000	6650	85
	14744-7	\$	F80T5/835/HO	40	TL 835, 3000K	58	20,000	7000	6650	85
	29088-2	\$	F80T5/841/HO	40	TL 841, 4100K	58	20,000	7000	6650	85

For the most current product information, go to the e-catalog on www.philips.com

Fluorescent symbols and footnotes located on page 87

☐ This product utilizes ALTO® Lamp Technology

* The TCLP is the US EPA's Toxicity Characteristic Leaching Procedure.