

SILHOUETTE™ Series 2'–5' T5 Fluorescent Lamps

Ultra-slim design with extraordinary light output



Photo Courtesy of Laszlo Regos

Ideal for general, decorative and architectural lighting in offices, retail stores, hotels, schools and hospitals



▶ Slim Profile Lamp and Ballast

- Improved optical control
- Fixtures can be 40% smaller than T8 systems

▶ Optimized Lamp Lengths

- Design flexibility for cove and cabinet lighting
- Better fit in 2 x 2 and 2 x 4 grid ceilings

▶ Improved Phosphors

- Up to 104 lumens per watt
- 95% lumen maintenance
- 85 CRI in 3000, 3500 and 4100K

▶ Operates on Programmed Start Electronic Ballasts

- High system efficacy
- Fail-safe operation at end of life

▶ Variety of Sizes and Color Temperatures

PHILIPS

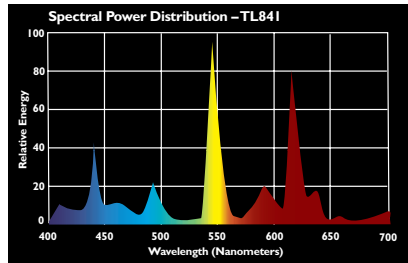
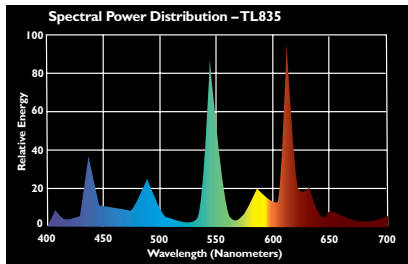
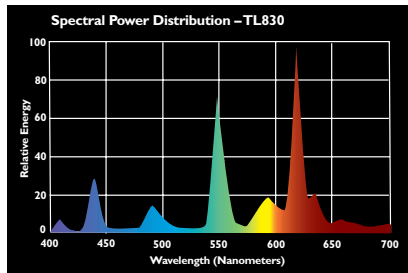
SILHOUETTE™ Series 2'-5' T5 Fluorescent Lamps

Electrical, Technical and Ordering Data (Subject to change without notice)

Product Number	Description	Nominal Watts	Bulb	Base	Std. Pkg. Qty.	Color Temp. (K)	Color Rendering (CRI)	Avg. Nominal Length (In.)	Rated Life (Hrs.) ⁽¹⁾	Initial Lumens	Design Lumens ⁽²⁾
23077-1	F14T5/830	14	T5	Min. Bipin	40	3000	85	22	20,000	1350	1275
23079-7	F14T5/835	14	T5	Min. Bipin	40	3500	85	22	20,000	1350	1275
23080-5	F14T5/841	14	T5	Min. Bipin	40	4100	85	22	20,000	1350	1275
23081-3	F21T5/830	21	T5	Min. Bipin	40	3000	85	34	20,000	2100	2000
23082-1	F21T5/835	21	T5	Min. Bipin	40	3500	85	34	20,000	2100	2000
23083-9	F21T5/841	21	T5	Min. Bipin	40	4100	85	34	20,000	2100	2000
23084-7	F28T5/830	28	T5	Min. Bipin	40	3000	85	46	20,000	2900	2750
23085-4	F28T5/835	28	T5	Min. Bipin	40	3500	85	46	20,000	2900	2750
23086-2	F28T5/841	28	T5	Min. Bipin	40	4100	85	46	20,000	2900	2750
23088-8	F35T5/830	35	T5	Min. Bipin	40	3000	85	58	20,000	3650	3450
23091-2	F35T5/835	35	T5	Min. Bipin	40	3500	85	58	20,000	3650	3450
23095-3	F35T5/841	35	T5	Min. Bipin	40	4100	85	58	20,000	3650	3450

(1) Average rated life under specified test conditions with lamps turned off and restarted once every 3 operating hours.
(2) Approximate lumens at 40% of rated average life (8000 Hours).

Spectral Power Distribution



Lamp Dimensions

Lamp Type	A MAX.		B MIN.		B MAX.		C MAX.	
	inches	mm	inches	mm	inches	mm	inches	mm
F14T5	21.61	549.0	21.80	553.7	21.89	556.1	22.17	563.2
F21T5	33.42	849.0	33.61	853.7	33.70	856.1	33.98	863.2
F28T5	45.24	1149.0	45.42	1153.7	45.52	1156.1	45.80	1163.2
F35T5	57.05	1449.0	57.23	1453.7	57.33	1456.1	57.61	1463.2

Silhouette Lamp Specification

Lamps shall be Philips Silhouette T5 lamps having:

- Color rendering index of 85
- T5 diameter bulb
- Miniature bi-pin bases
- Color temperature of _____ (3000K, 3500K or 4100K)
- Initial lumens of _____ (1350, 2100, 2900 or 3650)
- Design lumens of _____ (1275, 2000, 2750 or 3450)
- Nominal wattage of _____ (14, 21, 28, 35)
- Powered by electronic ballast designed for 170mA T5 lamps¹

