

# FLUORESCENT LAMPS

## SILHOUETTE™ T5 Lamps

Watts	Product Number	Symbols, Footnotes	Ordering Code	Pkg. Qty.†	Description	Nom. Length (In.)	Rated Average Life 3 Hr. Start (202)	Rated Average Life 12 Hr. Start (241)	Approx. Initial Lumens (203,204)	Design Lumens (208)	CRI
-------	----------------	--------------------	---------------	------------	-------------	-------------------	--------------------------------------	---------------------------------------	----------------------------------	---------------------	-----

### SILHOUETTE™ T5 HIGH OUTPUT (HO) ENERGY ADVANTAGE LAMPS \* AVAILABLE Q4, 2008

#### T5 Miniature Bipin; Programmed Start

49	22049-1	\$ @ ● †	F54T5/830/HO/EA/ALTO 49W	40	TL 830, 3000K	46	25,000	35,000	5000	4750	85
	22050-9	\$ @ ● †	F54T5/835/HO/EA/ALTO 49W	40	TL 835, 3500K	46	25,000	35,000	5000	4750	85
	22052-5	\$ @ ● †	F54T5/841/HO/EA/ALTO 49W	40	TL 841, 4100K	46	25,000	35,000	5000	4750	85
	22053-3	\$ @ ● †	F54T5/850/HO/EA/ALTO 49W	40	TL 850, 5000K	46	25,000	35,000	4850	4625	82

### SILHOUETTE™ T5 HIGH OUTPUT (HO) LAMPS “EXTREME TEMPERATURE” WITH AMALGAM TECHNOLOGY

#### T5 Miniature Bipin; Programmed Start

54	21766-1	\$ @ ● †	F54T5/835/HO/A/ALTO	40	TL 835, 3500K	46	25,000	35,000	5000	4750	85
	21769-5	\$ @ ● †	F54T5/841/HO/A/ALTO	40	TL 841, 4100K	46	25,000	35,000	5000	4750	85
	22807-2*	\$ @ ● †	F54T5/850/HO/A/ALTO	40	TL 850, 5000K	46	25,000	35,000	4850	4625	82

### SILHOUETTE™ T5 VERY HIGH OUTPUT (VHO) LAMPS “EXTREME TEMPERATURE” WITH AMALGAM TECHNOLOGY

#### T5 Miniature Bipin; Programmed Start

95	21771-1	● †	F95T5/835/VHO/A/ALTO	40	TL 835, 3500K	46	25,000	35,000	7200	6500	85
	21772-3	● †	F95T5/841/VHO/A/ALTO	40	TL 841, 4100K	46	25,000	35,000	7200	6500	85
	22809-8*	● †	F95T5/850/VHO/A/ALTO	40	TL 850, 5000K	46	25,000	35,000	6985	6285	82

### SILHOUETTE™ LONG LIFE T5 HIGH OUTPUT (HO) LAMPS—(2FT–5 FT)

#### T5 Miniature Bipin; Programmed Start

24	29019-7	\$ ●	F24T5/830/HO/ALTO	40	TL 830, 3000K	22	25,000	35,000	2000	1900	85
	29020-5	\$ ●	F24T5/835/HO/ALTO	40	TL 835, 3500K	22	25,000	35,000	2000	1900	85
	29021-3	\$ ●	F24T5/841/HO/ALTO	40	TL 841, 4100K	22	25,000	35,000	2000	1900	85
39	29022-1	\$ ●	F39T5/835/HO/ALTO	40	TL 830, 3000K	34	25,000	35,000	3500	3325	85
	29023-9	\$ ●	F39T5/835/HO/ALTO	40	TL 835, 3500K	34	25,000	35,000	3500	3325	85
	29025-4	\$ ●	F39T5/841/HO/ALTO	40	TL 841, 4100K	34	25,000	35,000	3500	3325	85
54	29026-2	\$ ● @	F54T5/830/HO/ALTO	40	TL 830, 3000K	46	25,000	35,000	5000	4750	85
	29028-8	\$ ● @	F54T5/835/HO/ALTO	40	TL 835, 3500K	46	25,000	35,000	5000	4750	85
	29083-3	\$ ● @	F54T5/841/HO/ALTO	40	TL 841, 4100K	46	25,000	35,000	5000	4750	85
	13510-3	\$ ● @	F54T5/850/HO/ALTO	40	TL 850, 5000K	46	25,000	35,000	4850	4625	82
80	14745-4	\$ ● @	F54T5/865/HO/ALTO	40	TL 865, 6500K	46	25,000	35,000	4750	4500	82
	29084-1	\$ ●	F80T5/830/HO/ALTO	40	TL 830, 3000K	58	25,000	35,000	7000	6650	85
	14744-7	\$ ●	F80T5/835/HO/ALTO	40	TL 835, 3000K	58	25,000	35,000	7000	6650	85
	29088-2	\$ ●	F80T5/841/HO/ALTO	40	TL 841, 4100K	58	25,000	35,000	7000	6650	85

\* Available Q2 2009

For the most current product information, go to the e-catalog on [www.philips.com](http://www.philips.com)  
Fluorescent symbols and footnotes located on page 120

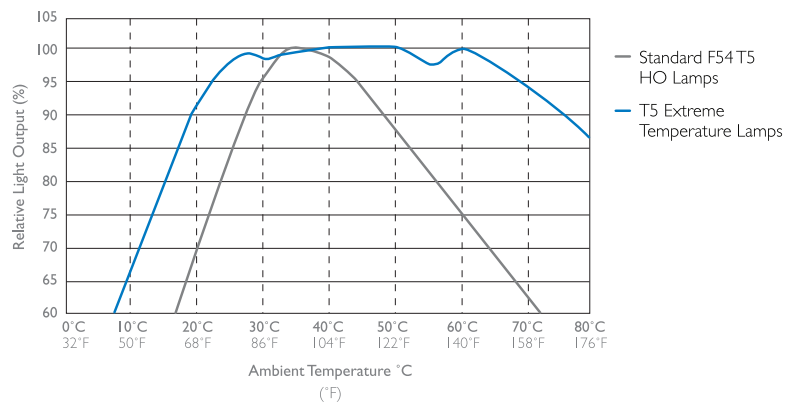
### SILHOUETTE T5 & LONG LIFE T5

Warranty Period: 36 months\*

\* Certain limitations and conditions apply.  
See Philips for further warranty details.

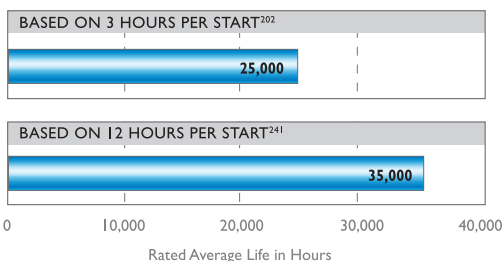
### PERFORMANCE (RELATIVE LIGHT OUTPUT VS. TEMPERATURE)

Philips T5 Extreme Temperature Lamps vs. Standard F54T5 Lamps



### RATED AVERAGE LIFE

■ Philips SILHOUETTE™ T5



T5 Miniature Bipin

# FLUORESCENT LAMPS

## SILHOUETTE™ T5, Colored Linear Fluorescent 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 (202)	12 Hr. Start (241)			

**SILHOUETTE™ LONG LIFE T5 LAMPS—(2FT-5 FT)**

**T5 Miniature Bipin; Programmed Start**

14	23077-1	\$ ●	F14T5/830/ALTO	40	TL 830, 3000K	22	25,000	35,000	1350	1275	85
	23079-7	\$ ●	F14T5/835/ALTO	40	TL 835, 3500K	22	25,000	35,000	1350	1275	85
	23080-5	\$ ●	F14T5/841/ALTO	40	TL 841, 4100K	22	25,000	35,000	1350	1275	85
21	23081-3	\$ ●	F21T5/830/ALTO	40	TL 830, 3000K	34	25,000	35,000	2100	2000	85
	23082-1	\$ ●	F21T5/835/ALTO	40	TL 835, 3500K	34	25,000	35,000	2100	2000	85
	23083-9	\$ ●	F21T5/841/ALTO	40	TL 841, 4100K	34	25,000	35,000	2100	2000	85
28	23084-7	\$ ● ⑥	F28T5/830/ALTO	40	TL 830, 3000K	46	25,000	35,000	2900	2750	85
	23085-4	\$ ● ⑥	F28T5/835/ALTO	40	TL 835, 3500K	46	25,000	35,000	2900	2750	85
	23086-2	\$ ● ⑥	F28T5/841/ALTO	40	TL 841, 4100K	46	25,000	35,000	2900	2750	85
35	23088-8	\$ ●	F35T5/830/ALTO	40	TL 830, 3000K	58	25,000	35,000	3650	3450	85
	23091-2	\$ ●	F35T5/835/ALTO	40	TL 835, 3500K	58	25,000	35,000	3650	3450	85
	23095-3	\$ ●	F35T5/841/ALTO	40	TL 841, 4100K	58	25,000	35,000	3650	3450	85

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
-------	----------------	--------------------	---------------	------------	-------------	-------------------	------------------------------	----------------------------------	---------------------	-----

**COLORED—LINEAR FLUORESCENT LAMPS—T5 HIGH OUTPUT**

24	14637-3	\$	F24T5/RED/HO	15	TL5HO Colored Pro 24W/150 Red	22	12,000	1400	1330	N/A
	14638-1	\$	F24T5/GREEN/HO	15	TL5HO Colored Pro 24W/170 Green	22	12,000	2750	2475	N/A
	14639-9	\$	F24T5/BLUE/HO	15	TL5HO Colored Pro 24W/180 Blue	22	12,000	550	440	N/A
54	14640-7	\$	F54T5/RED/HO	15	TL5HO Colored Pro 54W/150 Red	46	12,000	3450	3280	N/A
	14641-5	\$	F54T5/GREEN/HO	15	TL5HO Colored Pro 54W/170 Green	46	12,000	6900	6210	N/A
	14642-3	\$	F54T5/BLUE/HO	15	TL5HO Colored Pro 54W/180 Blue	46	12,000	1500	1200	N/A

For the most current product information, go to the e-catalog on [www.philips.com](http://www.philips.com)  
Fluorescent symbols and footnotes located on page 120

**T5 LUMENS AT 35°C AND 25°C**



T5 Miniature Bipin

Lamp Type	Approx. Initial Lumens at 35°C (203, 204)	Approx. Initial Lumens at 25°C (203, 204)
F14T5	1350	1200
F21T5	2100	1900
F28T5	2900	2600
F35T5	3650	3300
F24T5/HO	2000	1800
F39T5/HO	3500	3150
F54T5/HO	5000	4500
F80T5/HO	7000	6300