

# PENTRON® Circline T5

## Fluorescent Lamps



- High performance T5 lamps
  - Produce up to 70% more lumens than T9 Circline lamps
  - Designed for high frequency electronic ballasts
- Available in 3 wattages & 2 diameters
  - 22W with 8.85" diameter
  - 40W with 11.77" diameter
  - 55W with 11.77" diameter
- 3000K, 3500K, 4100K with 82 CRI
- Average rated life of 12,000 hours
- Operate on QUICKTRONIC® PHO ballast with QUICKSENSE® end-of-lamp-life shut-down circuitry and QUICK 60+® warranty

**SYLVANIA PENTRON Circline lamps are high lumen output circular shaped T5 diameter lamps that deliver up to 70% more lumens than T9, rapid start Circline lamps. These lamps, available in 9-inch and 12-inch versions, are comparable in diameter to the T9 lamps. The rare earth tri-phosphors are utilized to deliver high lumen output with excellent color rendition and high lumen maintenance.**

### Product Availability

Lamp	Wattage	Lumens	Diameter (o.d.)
FPC22830	22	1800	8.85"
FPC22/835	22	1800	8.85"
FPC22/841	22	1800	8.85"
FPC40/830	40	3200	11.77"
FPC40/835	40	3200	11.77"
FPC40/841	40	3200	11.77"
FPC55/830/HO	55	4000	11.77"
FPC55/835/HO	55	4000	11.77"
FPC55/841/HO	55	4000	11.77"

### Lamp Comparison

Lamp Type	Watts	Avg. Rated Life (hrs.)	Lumens	Diameter (o.d.)	Base	Relative Lumens
FC8T9/WW/RS	22	11,000	1050	8.0"	G10q	100%
FC8T9/DWW/RS	22	11,000	1200	8.0"	G10q	114%
FPC22/830	22	12,000	1800	8.85"	2GX13	171%
FC12T9/WW/RS	32	15,000	1950	12.0"	G10q	100%
FC12T9/DWW/RS	32	15,000	2200	12.0"	G10q	113%
FPC40/830	32	12,000	3200	11.77"	2GX13	164%
FPC55/830/HO	55	12,000	4000	11.77"	2GX13	205%

### Application Information

Applications	Application Notes
Torchieres Low profile ceiling fixtures ADA* fixtures Decorative chandeliers and wall sconces	Lumens measured at 25°C (77°F) with lamp in horizontal position. Designed for operation by high frequency electronic ballasts. Operation on magnetic ballasts is not allowed.

\*American Disabilities Act

### Sample Specification

Lamp(s) shall be a PENTRON T5 Circline lamp (FPC22, FPC40, FPC55) having a 2GX13 4-pin base. Lamp shall have a correlated color temperature of (3000K, 3500K or 4100K) and a CRI of 82. The PENTRON lamp shall be operated on the appropriate QUICKTRONIC (System 39/24 PHO or System 54 PHO) ballast with a complete system warranty from one manufacturer covering both lamp and ballast.

### Ordering and Specification Information

Item Number	Ordering Abbreviation	Watts	Initial Lumens <sup>1</sup>	Mean Lumens <sup>2</sup>	Avg. Rated Life (hrs.)	Color Temp.	CRI	Outside Diameter	Base
20702	FPC22/830	22	1800	1585	12,000	3000K	82	8.85"	2GX13
20712	FPC22/835	22	1800	1585	12,000	3500K	82	8.85"	2GX13
20715	FPC22/841	22	1800	1585	12,000	4100K	82	8.85"	2GX13
20731	FPC40/830	40	3200	2815	12,000	3000K	82	11.77"	2GX13
20732	FPC40/835	40	3200	2815	12,000	3500K	82	11.77"	2GX13
20733	FPC40/841	40	3200	2815	12,000	4100K	82	11.77"	2GX13
20741	FPC55/830/HO	55	4000	3520	12,000	3000K	82	11.77"	2GX13
20750	FPC55/835/HO	55	4000	3520	12,000	3500K	82	11.77"	2GX13
20751	FPC55/841/HO	55	4000	3520	12,000	4100K	82 <td 11.77"	2GX13	

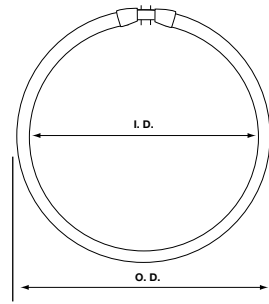
<sup>1</sup> Measured at 25° (77°F) with lamp in horizontal position.

<sup>2</sup> Measured at 40% of rated life.

### Ordering Guide

FPC	40	/	8	35	/	HO
Fluorescent	Wattage		8=82 CRI	30=3000K		High Output
Pentron	22, 40, & 55			35=3500K		(55 Watt only)
Circline				41=4100K		

### Dimensions



Ordering Abbreviation	Outside Bulb Diameter (min/max)	Inside Bulb Diameter (min/max)
FPC22	220 mm/230 mm	187 mm/197 mm
FPC40	293 mm/305 mm	260 mm/272 mm
FPC55/HO	293 mm/305 mm	260 mm/272 mm

OSRAM SYLVANIA  
National Customer  
Support Center  
18725 N. Union Street  
Westfield, IN 46074

#### Industrial & Commercial

Phone: 1-800-255-5042  
Fax: 1-800-255-5043

#### National Accounts

Phone: 1-800-562-4671  
Fax: 1-800-562-4674

#### OEM & Special Markets

Phone: 1-800-762-7191  
Fax: 1-800-762-7192

#### Photo-Optic

Phone: 1-888-677-2627  
Fax: 1-800-762-7192

OSRAM SYLVANIA  
Ballast Division  
800 N. Church Street  
Lake Zurich, IL 60047

Phone: 1-800-654-0089  
Fax: 1-847-726-6424

In Canada  
OSRAM SYLVANIA LTD.  
Headquarters  
2001 Drew Road  
Mississauga, ON L5S 1S4

#### Industrial & Commercial

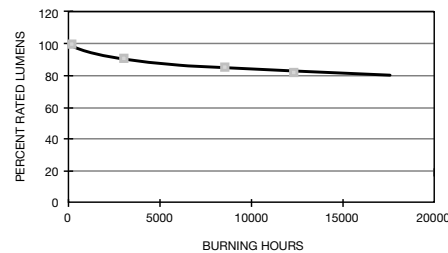
Phone: 1-800-263-2852  
Fax: 1-800-667-6772

#### Special Markets

Phone: 1-800-265-2852  
Fax: 1-800-667-6772

### Technical Information

#### Lumen Maintenance



#### Lamp Mortality

