

PENTRON® Circline T5

Fluorescent Lamps



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.

Application Information

Applications

- ADA* fixtures
- Decorative chandeliers and wall sconces
- Low profile ceiling fixtures
- Torchieres

*American Disabilities Act

Key Features & Benefits

- High performance T5 lamps
 - Produce up to 70% more lumens than T9 Circline lamps
 - Designed for high frequency electronic ballasts
- Available in 3 wattages and 2 diameters
 - 22W with 8.85" diameter
 - 40W with 11.77" diameter
 - 55W with 11.77" diameter
- 3000K and 3500K with 80 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

Product Offering

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

Application Notes

1. Lumens measured at 25°C (77°F) with lamp in horizontal position.
2. Designed for operation by high frequency electronic ballasts. Operation on magnetic ballasts is not allowed.



Specification Data

Catalog #	Type
Project/Job	
SYLVANIA Lamp	
SYLVANIA Ballast	
Prepared by	

Ordering Information

Item Number	Ordering Abbreviation	Wattage	Initial Lumens ¹	Mean Lumens ²	Average Rated Life (hrs.)	Color Temp.	CRI	Outside Diameter	Base
20702	FPC22/830	22	1800	1585	12,000	3000K	80	8.85"	2GX13
20712	FPC22/835	22	1800	1585	12,000	3500K	80	8.85"	2GX13
20731	FPC40/830	40	3200	2815	12,000	3000K	80	11.77"	2GX13
20732	FPC40/835	40	3200	2815	12,000	3500K	80	11.77"	2GX13
20741	FPC55/830/HO	55	4000	3520	12,000	3000K	80	11.77"	2GX13
20750	FPC55/835/HO	55	4000	3520	12,000	3500K	80	11.77"	2GX13

¹ Measured at 25° (77°F) with lamp in horizontal position.

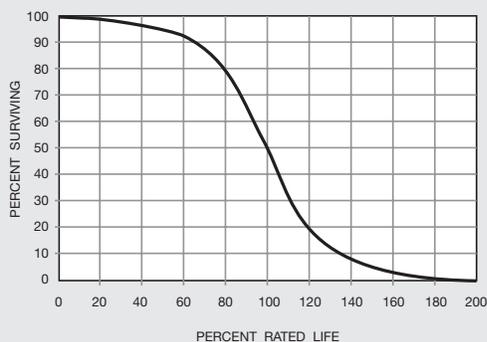
² Measured at 40% of rated life.

Ordering Guide

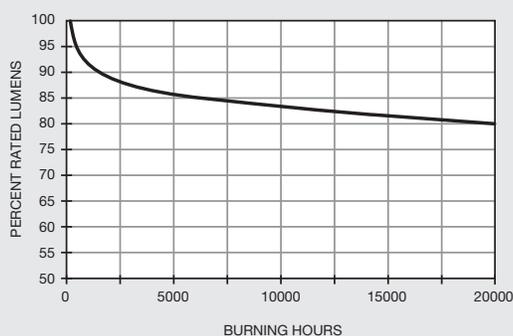
FPC	40	/	8	35	/	HO
Fluorescent PENTRON® Circline	Wattage: 22, 40 and 55 watts		8 = 80 CRI	30 = 3000K 35 = 3500K		High Output (55 Watt only)

Technical Information

Typical Fluorescent Lamp Mortality

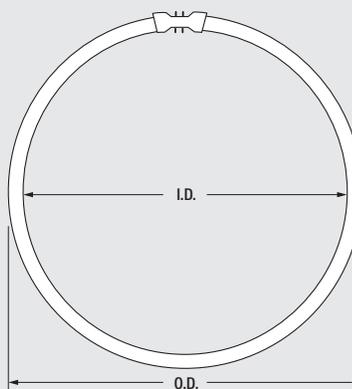


Lumen Maintenance Curve



Lamp Dimensions

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



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 or 3500K) and a CRI of 80. 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.

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