

TECHNICAL INFORMATION BULLETIN

EARTHSAVER XL31 SERIES



LAMP CHARACTERISTICS

Lamp: Safety coated lamp with polymer alloy powder

Starting method: Rapid Start

TCLP compliant: Yes

Phosphor composition: Triphosphor

Cathode guard: Yes

Nominal lamp operating frequency: 60 HZ

² Minimum starting temperature: -10°C

BENEFITS

One system lamp/ballast warranty.

Extended lamp warranty from 2 to 3 years and ballast warranty from 3 to 5 years.



Order code	Description	Base	Colour temp. (K)	CRI	Rated life on IS ballast 3-12 hrs	Rated life on PS/PRS ballast 3-12 hrs	IS= Instant Start PS= Program Start PRS= Program Rapid Start		Nominal length (in.) (mm)	Nominal diameter (in.) (mm)	Efficacy (lm/W)	Case qty
							Initial lumens (lm)	Mean lumens (lm)				

32 watts

58769	F32T8/830K/XL31 SM	Med Bipin	3000	89	24000 30000	36 000 42 000	3100	2950	48 1220	1 26	97	25
58771	F32T8/835K/XL31 SM	Med Bipin	3500	89	24000 30000	36 000 42 000	3100	2950	48 1220	1 26	97	25
57022	F32T8/841K/XL31 SM	Med Bipin	4100	89	24000 30000	36 000 42 000	3100	2950	48 1220	1 26	97	25
58772	F32T8/850K/XL31 SM	Med Bipin	5000	89	24000 30000	36 000 42 000	3100	2950	48 1220	1 26	97	25

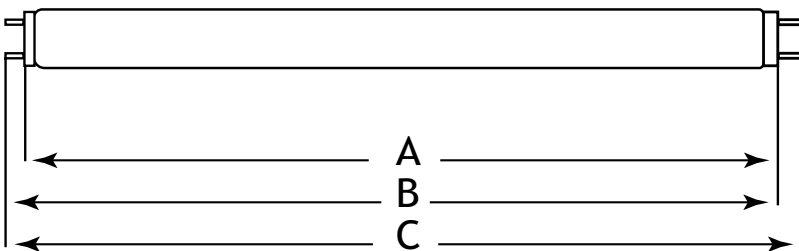
* Based on a 3 hour start ** Based on a 12 hour start

¹ The life rating indicated is based on 3 hour burning cycles under specified conditions and with ballast meeting ANSI specifications.

² The minimum starting temperature is a function of the ballast. The minimum starting temperature is based on a STANDARD brand T8 program start ballast.

DIMENSIONS

	A		B		C	
	Maximum (in.)	Maximum (mm)	Minimum (in.)	Minimum (mm)	Maximum (in.)	Maximum (mm)
32 watts	47.22	1199.4	47.40	1204.0	47.50	1206.5
					47.78	1213.6



A Max
Base face to base face

B Min / B Max
Base face to end of opposite face pin

C Max
End of base pin to the end of opposite end



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ADDITIONAL INFORMATION

- Compatible with all T8 electronic ballasts
- Low mercury content and TCLP compliant
- Energy savings and reduced maintenance cost

APPLICATIONS NOTES

The coating on a Safety Max brand fluorescent lamps is guaranteed to last the rated life of the lamp to be free from material defects and will not yellow, peel or crack under normal operating conditions.

- T8 and T12 fluorescent lamps must be installed and operate in ambient temperatures below 50°C(120°F)
- T5HO must be installed and operate in ambient temperatures below 204.4°C(400°F)
- Lamps must be used with compatible ballast for the specific lamp type. Lamps can not be used in fixtures employing defective ballasts, ballasts that have been used longer than their rated-life or ballasts that are improperly wired.
- The lamps can be installed in open or enclosed fixtures
- Energy saving lamps,(30 W, 28 W, 25 W) typically are not rated for use below 16°C (60°F) nor with dimming ballast
- Lamps must be used in fixtures with proper socket contact and wiring
- Safety Max fluorescent lamps made for use in REFRIGERATED AREAS ONLY, must be used for this application only. Standard has no control over the temperature range in the areas where lamps are operated, their performance cannot be guaranteed.

NOTE: If used in refrigerated areas with temperatures never exceeding 7°C (45°F), the coating should be expected to last for the rated-life of the lamp.

- Lumen output may have a variation of 1%.
- UVA rays are reduced by 90% on fluorescent lamps except T5HO.

