

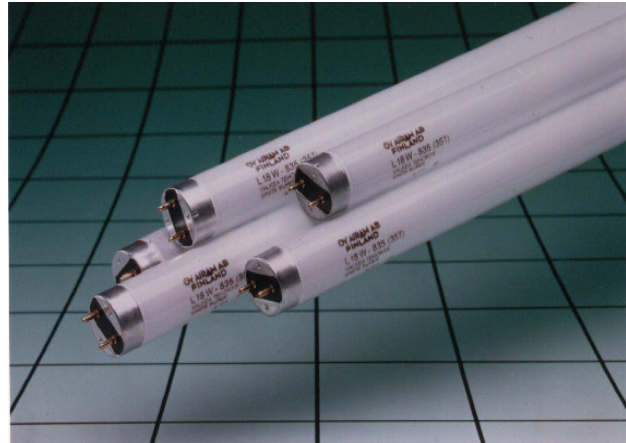
TRIPLE LIFE TUBES



General Description

The average life is 26,000 hours when used with high frequency control equipment and in a typical application. The life is calculated as the time taken for the lumen output to depreciate to 93% of the initial lumen output measured at 100 hours.

The long life Triphosphor tubes incorporate synthetic fluorescent powders which provide increased efficacy and improved colour rendering properties. The rare earth powders are resistant to UV radiation which makes their light emission properties deteriorate at a much slower rate than normal powders.



The latest technology in cathode construction is used to allow a greater dose of emission material at the cathode. Emission material is carefully selected and a precisely controlled dose is used to guarantee increased operating hours. Precise mixtures of Krypton and Argon are used at a pressure of precisely 1.5 torr. The long life tubes contain an accurately measured dose of Mercury. This does ensure long life whilst minimising the risk of environmental pollution.

Technical Data

OY AIRAM AB
FINLAND

Product Code	Watts	Length mm	Colour Temp	CRI	Lumen
FT66-08-18-830	18	600	3000K	85	1350
FT66-08-18-835	18	600	3500K	85	1350
FT66-08-18-840	18	600	4000K	85	1350
FT66-08-36-830	36	1200	3000K	85	3350
FT66-08-36-835	36	1200	3500K	85	3350
FT66-08-36-840	36	1200	4000K	85	3350
FT66-08-58-830	58	1500	3500K	85	5200
FT66-08-58-835	58	1500	4000K	85	5200
FT66-08-58-840	58	1500	4000K	85	5200

Guarantee

The **GREENSTOCK** 800 Series carries a full 3 year return to Greenstock replacement guarantee.

Note. To obtain a 30,000 hour operating guarantee, tubes must be installed inline with the Greenstock installation specification. Available on request.



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The **Greenstock** Lamp Company



TRIPLE LIFE TUBES

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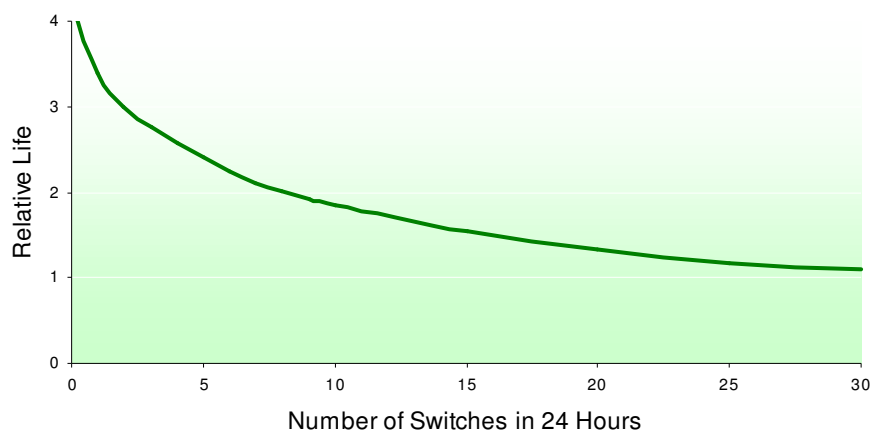
The Effect of Switching

All fluorescent tubes are extremely sensitive to the number of times they are switched on and off. This is the biggest single factor in determining the useful life of the tube.

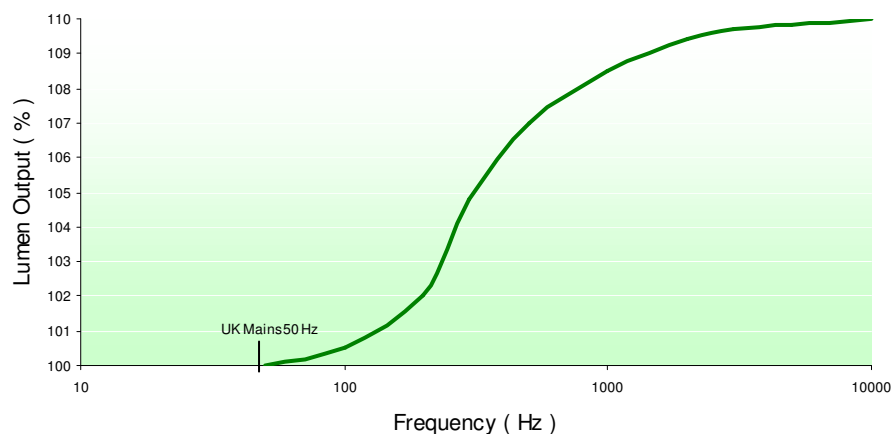
Each time the lamp is switched on a small amount of emission material is used up and material deposited on the inside of the tube. This ultimately causes the failure of the cathode but long before that the build up of material on the glass reduces the light output to an unacceptable level. The 800 series tubes maintain their lumen output for more than three times longer than a standard tube.

For example, in the extreme case, a lamp which is on continuously will last about four times longer than one which is switched on and off several times per hour.

THE EFFECT OF SWITCHING ON TUBE LIFE



LIGHT OUTPUT vs FREQUENCY



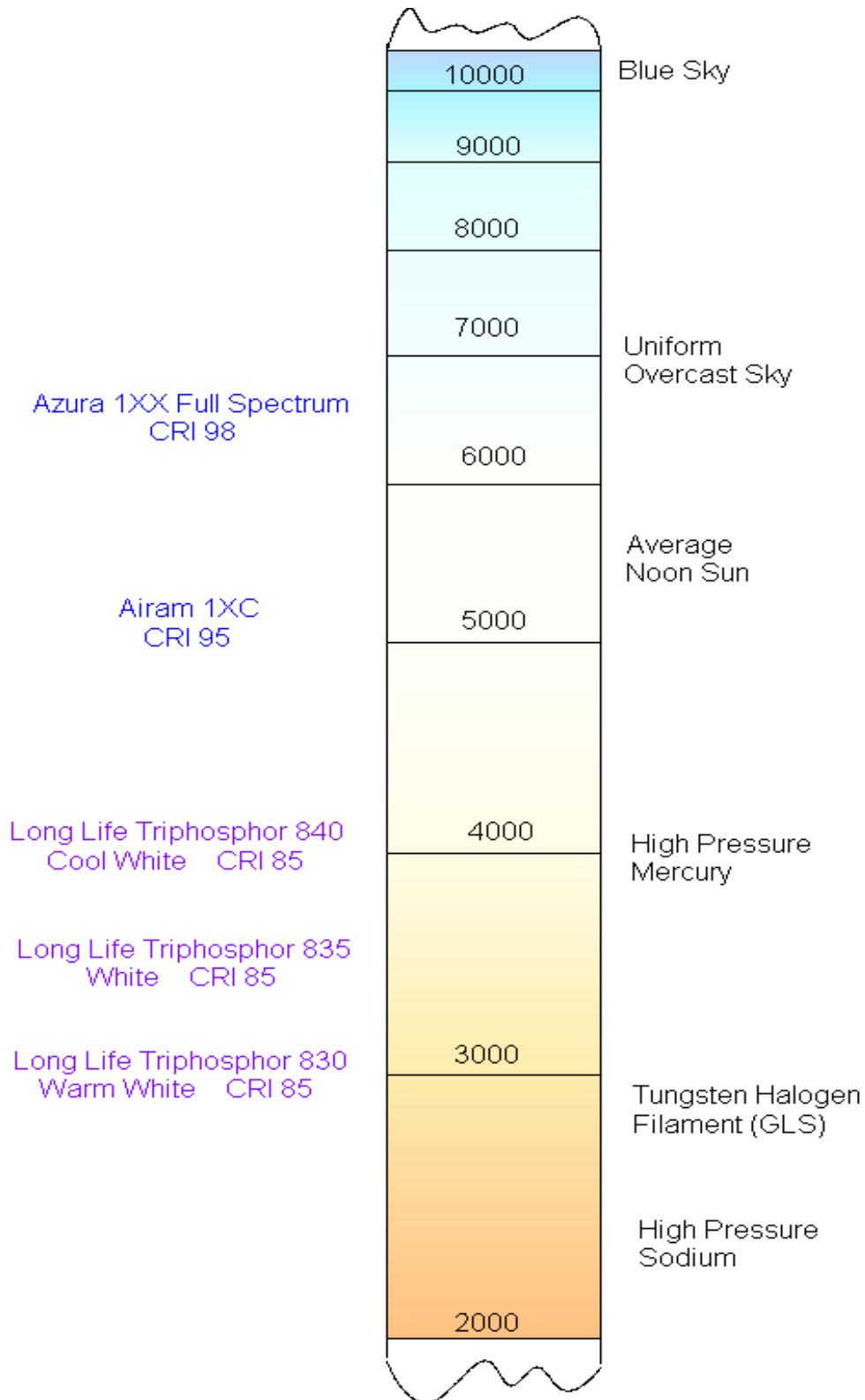
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Colour temperature, in degrees Kelvin, of Greenstock fluorescent tubes.



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