

FLUORESCENT TUBES RANGE





The key benefits of fluorescent tubes are well known – proven energy efficiency, long life and a wide choice of sizes, shapes and colours.

The introduction of improved phosphor coatings to the T8 and T5 tubes have brought significant improvements in lamp efficacy, colour rendering, lumen maintenance and life.

Sylvania has always been at the forefront of these developments and in caring for the environment, by continually introducing innovative products and improvements in lamp manufacture, technology and performance.

Sylvania offers a comprehensive range of high efficiency fluorescent tubes in various lengths, diameters, wattages and colours, including tubes for specialist applications.

The improved technology of the Luxline® Plus triphosphor coating guarantees excellent colour rendering, high luminous flux and high lamp efficacy (lumen per watt). The average life of up to 24000 hours allows longer replacement intervals which has a positive impact to you on maintenance costs.

All of these advantages mean that Sylvania Luxline Plus, Premium Extra, Premium Eco and Supercolour multi-phosphor lamps should always be the first choice for all new installations, particularly when used in fixtures incorporating electronic control gear.



FLUORESCENT TUBES



T5 LUXLINE PLUS FHE/FHO LAMPS:

A range of narrow diameter fluorescent lamps for use in narrow profile modern T5 fixtures. Incorporating Sylvania Luxline Plus triphosphor technology they achieve high colour rendering together with long life and extremely high energy efficiencies, meaning great quality light with low cost to the user and the environment.



T8 Premium extra:

A range of T8 fluorescent lamps for use with general lighting applications. Incorporating Sylvania Luxline Plus Premium Extra triphosphor technology they achieve high colour rendering together with long life and high energy efficiencies, meaning great quality light with low cost to the user and the environment.



T12 TRI-PHOSPHOR RAPID START:

A range of T12 fluorescent lamps for use with older T12 Rapid start fixtures in general lighting applications. Types incorporating Sylvania triphosphor technology to achieve high colour rendering together with long life and high energy efficiencies, meaning more, better quality light for longer with no additional energy cost.



T9 CIRCLINE PLUS:

A range of T9 Circular fluorescent lamps for use with older T9 fixtures in general lighting applications. Incorporating Sylvania Circline triphosphor and Halo phosphor technology they achieve high colour rendering together with long life and high energy efficiencies, meaning more, better quality light for longer with no additional energy cost.



Manufacturer's Lamp Cross Reference

Sylvania	Osram	Philips	GE
T5 FHE Luxline® Plus	Lumilux FH	TL5 HE	T5 Starcoat HE
T5 FHO Luxline® Plus	Lumilux FQ	TL5 HO	T5 Starcoat HO
T5 Premium Eco	Smartlux T5	TL5 Essential	–
T5 Standard	Basic T5 TL-Mini Standard	T5 TL	Standard
T5 Luxline® Plus	Lumilux T5 TL-Mini Pro 80	T5 TLD	Polylux
T5 Continuous FHE	Lumilux T5 HE Seamless	–	–
T5 Continuous FHO	Lumilux T5 HO Seamless	–	–
T8 Supercolour	Lumilux T8 Deluxe	TL-D Super 90	–
T8 Standard	Basic T8	TL-D Standard	T8 Standard
T8 Premium Extra	Lumilux T8	TL-D Alto 80	T8 Polylux XL
T8 Luxline® Plus Shatter-Resistant	Splinter Protection	TL-D Secura	T8 Cov-R-Guard Polylux
T12 HO/VHO	–	–	–
T12 RS	SA-Type	TL-M RS T12	Rapid Start
Circline T9	Circular	TL-E Standard	Circline

FLUORESCENT TUBES



T4 LAMPS

T4 Miniature

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T5 LAMPS

T5 FHE Luxline® Plus

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T5 FHE Premium Eco

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T5 FHE Continuous

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T5 FHE Colours

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T5 FHO Luxline® Plus

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T5 FHO Continuous

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T5 Tri-phosphor / Halo-phosphor

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T5 Tube Sleeves

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T5/T8 Shatter Resistant

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T5/T8 Emergency

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T8 LAMPS

T8 Premium Extra

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T8 Supercolour / Activa

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T8 Special Length Tri-Phosphor

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T8 Special Length Halo-Phosphor

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T8 Octron

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T8 Tube Sleeves

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CIRCULAR LAMPS

T9 Circline

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T12 LAMPS

T12 Rapid Start

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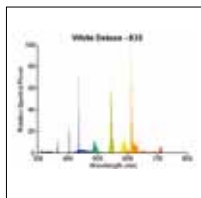
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Did you know:

The mercury contained in one fluorescent tube can pollute 30,000 litres of water beyond a safe level of drinking.

Why recycle?

Mercury is used in the production of products such as linear fluorescent tubes, energy efficient compact fluorescent lamps, High Pressure Sodium, Metal Halide and Mercury Vapour lamps.

Mercury is the most hazardous metal on the EPA's list of industrial pollutants. It is a very potent neurotoxin to humans.

The largest source of mercury pollution entering our landfills is from the dumping of mercury containing fluorescent tubes and HID lamps. Australian's consume 50 to 60 million fluorescent tubes and HID lamps every year. Less than 1% of these are recycled leaving more than 99% being dumped in landfill sites across Australia. With our knowledge of the harm mercury does to humans and the environment coupled with the high volumes of lamps we utilise/replace each year, it is imperative we follow responsible, sustainable methods of disposal.

Recovery and recycling is the only safe, efficient and effective way to reduce current levels of mercury in our environment. Recycling the materials used in lamps and luminaires has numerous environmental benefits from:

- Saving landfill space for genuine, non-recyclable waste
- Reducing greenhouse gas production
- Reducing seepage of harmful chemicals & metals into our soil
- Reducing contamination of our waterways

Certificate of Recycling Excellence

SYLrecycle have engaged the services of CMAecocycle to execute this recycling service, and as the only approved and recognised processing and recycling centre for handling mercury bearing wastes, they will issue, with each load, a recycling certificate to you for your comfort and audit approval.





Introducing *SYL*recycle:

In order to provide a wholistic service to our customers, Sylvania Lighting Australasia has developed a recycling initiative to facilitate the recycling of lamps. SLA has engaged the services of CMAecocycle to perform this recycling function.

SYLVANIA Lamp Recycling Process

SYLVANIA utilises a state-of-the-art crushing, separating, cleaning and recycling facility. Once the lamps reach the recycling depots, they follow the below process:

Less than 1%
of all Mercury containing
lamps used in Australia are
recycled.

Waste Fluorescent Tubes
Compact Fluorescent
and H.I.D. Lamps



Tube and Lamp
Crushing device



- Components are separated & isolated.
- Mercury is removed.
- Components and mercury are cleaned and distilled so they may be reused in other products.

Mercury Distiller /
Thermal Retort



Component separator



Mercury (Hg)



Aluminium



Glass



Phosphor Powder

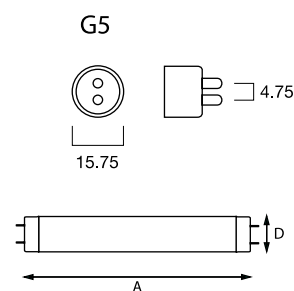
Once extracted, these materials are converted to clean, marketable by-products

T4 MINIATURE



- T4 (14mm) tri-phosphor lamp technology
- Ideal lamp for very low profile, short space luminaires
- Excellent lumen efficacy up to 75 lm/W
- Instant start operation on electronic ballast only
- Average rated life: 8000 hours

	A	D
7W	232	14
10W	308	14
18W	485	14



T4 MINIATURE

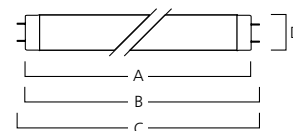
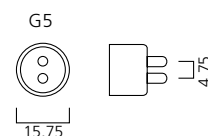
Code	Description	Watt	Volt	Current	CRI	Cap Group	Colour Temp	Luminous Flux	Packing Qty.
T4 Miniature Warmwhite (834 - 3400K)									
207345	FL7W/T4/WWX	7W	32V	0.195A	1B	G5	3450K	420 lm	25
210345	FL10W/T4/WWX	10W	42V	0.210A	1B	G5	3450K	700 lm	25
218345	FL18W/T4/WWX	18W	65V	0.228A	1B	G5	3450K	1350 lm	25
T4 Miniature Coolwhite (841 - 4100K)									
207410	FL7W/T4/CWX	7W	32V	0.195A	1B	G5	4100K	420 lm	25
210410	FL10W/T4/CWX	10W	42V	0.210A	1B	G5	4100K	700 lm	25
218410	FL18W/T4/CWX	18W	65V	0.228A	1B	G5	4100K	1350 lm	25

T5 FHE Luxline® Plus



- T5 FHE Luxline Plus triphosphor lamp ideal solution for new, slim, aesthetic luminaires
- Compliments Sylvania SlimLite and SlimDim luminaires
- Average life time up to 24,000 hours with pre-heat ballast
- High luminous efficacy of up to 104 lm/W.
- For electronic ballast operation only
- Optimum luminous flux at an ambient temperature of approx 35°C
- Almost constant lumen maintenance throughout the entire lamp life due to Luxline Plus triphosphor technology
- Suitable for dimming applications on approved dimmable electronic ballast
- Lamp should initially be operated at full power for 100 hours prior to any dimming
- Optimum performance of this lamp is based on lamp orientation in both horizontal and vertical positions, to ensure optimum performance refer to your Sylvania office for clarifications

	A	B	B	C	D
	max	min	max	max	nom
14W	549	553.7	556.1	563.2	16
21W	849	853.7	856.1	863.2	16
28W	1149	1153.7	1156.1	1163.2	16
35W	1449	1453.7	1456.1	1463.2	16



T5 FHE LUXLINE® PLUS

Code	Description	Watt	Volt	Current	CRI Group	Cap	Colour Temp	Luminous Flux 35°	Packing Qty.
T5 FHE Luxline Plus Warmwhite (830 - 3000K)									
200760	FHE 14W/830	14W	86V	0.165A	1B	G5	3000K	1350 lm	25
200763	FHE 21W/830	21W	126V	0.165A	1B	G5	3000K	2100 lm	25
200766	FHE 28W/830	28W	166V	0.170A	1B	G5	3000K	2900 lm	25
200769	FHE 35W/830	35W	205V	0.175A	1B	G5	3000K	3650 lm	25
T5 FHE Luxline Plus White (835 - 3500K)									
202787	FHE 14W/835	14W	86V	0.165A	1B	G5	3500K	1350 lm	25
202788	FHE 21W/835	21W	126V	0.165A	1B	G5	3500K	2100 lm	25
202789	FHE 28W/835	28W	166V	0.170A	1B	G5	3500K	2900 lm	25
202790	FHE 35W/835	35W	205V	0.175A	1B	G5	3500K	3650 lm	25
T5 FHE Luxline Plus Coolwhite (840 - 4000K)									
200761	FHE 14W/840	14W	86V	0.165A	1B	G5	4000K	1350 lm	25
200764	FHE 21W/840	21W	126V	0.165A	1B	G5	4000K	2100 lm	25
200767	FHE 28W/840	28W	166V	0.170A	1B	G5	4000K	2900 lm	25
200770	FHE 35W/840	35W	205V	0.175A	1B	G5	4000K	3650 lm	25
T5 FHE Luxline Plus Daylight (865 - 6500K)									
200762	FHE 14W/865	14W	86V	0.165A	1B	G5	6500K	1250 lm	25
200765	FHE 21W/865	21W	126V	0.165A	1B	G5	6500K	1950 lm	25
200768	FHE 28W/865	28W	166V	0.170A	1B	G5	6500K	2700 lm	25
200771	FHE 35W/865	35W	205V	0.175A	1B	G5	6500K	3400 lm	25

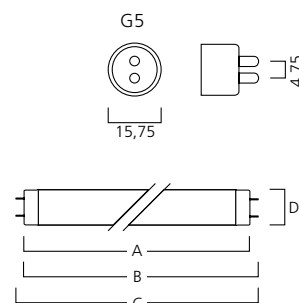
T5 FHE

Premium eco



- T5 FHE Premium Eco triphosphor lamp, an economical option to Luxline Plus FHE range
- Average life time of 15,000 hours with pre-heat ballast
- High luminous efficacy of up to 104 lm/W.
- For electronic ballast operation only
- Optimum luminous flux at an ambient temperature of approx 35°C
- Suitable for dimming applications on approved dimmable electronic ballast
- Lamp should initially be operated at full power for 100 hours prior to any dimming
- Optimum performance of this lamp is based on lamp orientation in both horizontal and vertical positions, to ensure optimum performance refer to your Sylvania office for clarifications

	A max	B min	B max	C max	D nom
14W	549	553.7	556.1	563.2	16
21W	849	853.7	856.1	863.2	16
28W	1149	1153.7	1156.1	1163.2	16
35W	1449	1453.7	1456.1	1463.2	16



T5 FHE PREMIUM ECO

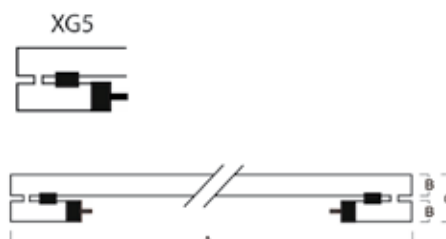
Code	Description	Watt	Volt	Current	CRI Group	Cap	Colour Temp	Luminous Flux 35°	Packing Qty.
T5 FHE Premium eco Coolwhite (840 - 4000K)									
200761B	FHE 14W/840	14W	86V	0.165A	1B	G5	4000K	1350 lm	50*
200764B	FHE 21W/840	21W	126V	0.165A	1B	G5	4000K	2100 lm	50*
200767B	FHE 28W/840	28W	166V	0.170A	1B	G5	4000K	2900 lm	50*
200770B	FHE 35W/840	35W	205V	0.175A	1B	G5	4000K	3650 lm	50*
T5 FHE Premium eco Daylight (865 - 6500K)									
200762B	FHE 14W/865	14W	86V	0.165A	1B	G5	6500K	1300 lm	50*
200765B	FHE 21W/865	21W	126V	0.165A	1B	G5	6500K	2000 lm	50*
200768B	FHE 28W/865	28W	166V	0.170A	1B	G5	6500K	2750 lm	50*
200771B	FHE 35W/865	35W	205V	0.175A	1B	G5	6500K	3500 lm	50*

* Bulk pack (Non Sleeved)

T5 FHE CONTINUOUS



- For use with SYLVANIA SlimLine T5 FHE Dimmable Continuous luminaire
- When combined with SYLVANIA SlimLine luminaire, the module connecting system makes it simple to create a continuous line of light with no visible dark spots
- High colour rendering (Ra85/Class 1B)
- Another option utilising an energy efficient fluorescent light source to neon
- Optimum luminous flux at an ambient temperature of approximately 35°C
- Average lamp life: 12000 hours
- Lamp should be initially operated at full power for 100 hours prior to any dimming of lamp
- Optimum performance of this lamp is based on lamp orientation in both the horizontal and vertical positions. To ensure optimum performance, please refer to your SYLVANIA office for clarification.



	A mm	B ømm	C mm
14W	580	15.5	35.5
21W	880	15.5	35.5
28W	1180	15.5	35.5

T5 FHE CONTINUOUS

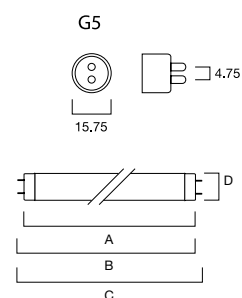
Code	Description	Watt	Volt	Current	CRI Group	Cap	Colour Temp	Luminous Flux 35°	Packing Qty.
T5 FHE- Continuous Warmwhite (830 - 3000K)									
214830	FHE/C 14W/830	14W	86V	0.165A	1B	XG5	3000K	1350 lm	25
221830	FHE/C 21W/830	21W	126V	0.165A	1B	XG5	3000K	2100 lm	25
228830	FHE/C 28W/830	28W	166V	0.170A	1B	XG5	3000K	2900 lm	25
T5 FHE- Continuous Coolwhite (840 - 4000K)									
214840	FHE/C 14W/840	14W	86V	0.165A	1B	XG5	4000K	1350 lm	25
221840	FHE/C 21W/840	21W	126V	0.165A	1B	XG5	4000K	2100 lm	25
228840	FHE/C 28W/840	28W	166V	0.170A	1B	XG5	4000K	2900 lm	25
T5 FHE- Continuous Daylight (865 - 6500K)									
214865	FHE/C 14W/865	14W	86V	0.165A	1B	XG5	6500K	1300 lm	25
221865	FHE/C 21W/865	21W	126V	0.165A	1B	XG5	6500K	2000 lm	25
228865	FHE/C 28W/865	28W	166V	0.170A	1B	XG5	6500K	2750 lm	25
T5 FHE- Continuous Warm Amber (822 - 2200K)									
214220	FHE/C 14W/WARM AMBER	14W	86V	0.165A	1B	XG5	2200K	1350 lm	25
221220	FHE/C 21W/WARM AMBER	21W	126V	0.165A	1B	XG5	2200K	2100 lm	25
228220	FHE/C 28W/WARM AMBER	28W	166V	0.170A	1B	XG5	2200K	2900 lm	25
T5 FHE- Continuous Cool Blue (880 - 8000K)									
214785	FHE/C 14W/COOL BLUE	14W	86V	0.165A	1B	XG5	8000K	1300 lm	25
221880	FHE/C 21W/COOL BLUE	21W	126V	0.165A	1B	XG5	8000K	2000 lm	25
228880	FHE/C 28W/COOL BLUE	28W	166V	0.170A	1B	XG5	8000K	2750 lm	25
T5 FHE- Continuous Coloured									
214GRNC	FHE/C 14W/GREEN	14W	86V	0.165A	N/A	XG5	GREEN	N/A	25
214BLUC	FHE/C 14W/BLUE	14W	86V	0.165A	N/A	XG5	BLUE	N/A	25
214REDC	FHE/C 14W/RED	14W	86V	0.165A	N/A	XG5	RED	N/A	25
221GRNC	FHE/C 21W/GREEN	21W	126V	0.165A	N/A	XG5	GREEN	N/A	25
221BLUC	FHE/C 21W/BLUE	21W	126V	0.165A	N/A	XG5	BLUE	N/A	25
221REDC	FHE/C 21W/RED	21W	126V	0.165A	N/A	XG5	RED	N/A	25
228GRNC	FHE/C 28W/GREEN	28W	166V	0.170A	N/A	XG5	GREEN	N/A	25
228BLUC	FHE/C 28W/BLUE	28W	166V	0.170A	N/A	XG5	BLUE	N/A	25
228REDC	FHE/C 28W/RED	28W	166V	0.170A	N/A	XG5	RED	N/A	25

T5 FHE COLOURED



- T5 FHE special application coloured phosphor lamps, the coloured solution for new, slim, aesthetic luminaires.
- For approved electronic ballast operation only
- Suitable for dimming applications on approved dimmable electronic ballast
- Optimum luminous flux at an ambient temperature of approx 35°C
- Warm Amber and Cool Blue, specially designed for SYLVANIA SlimDim T5 luminaires
- Average lamp life: 15000 hours on preheat electronic ballast
- Lamp should be initially operated at full power for 100 hours prior to any dimming of lamp
- Optimum performance of this lamp is based on lamp orientation in both the horizontal and vertical positions. To ensure optimum performance, please refer to your SYLVANIA office for clarification.
- Colours shown in images are representative only

	A max	B min	B max	C max	D nom
14W	549	553.7	556.1	563.2	16
21W	849	853.7	856.1	863.2	16
28W	1149	1153.7	1156.1	1163.2	16
35W	1449	1453.7	1456.1	1463.2	16



T5 FHE COLOURED SPECIAL APPLICATION LAMPS

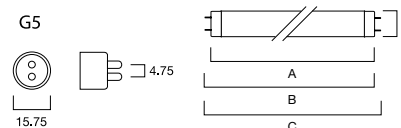
Code	Description	Watt	Volt	Current	CRI Group	Cap	Colour Temp	Luminous Flux	Packing Qty.
T5 FHE Warm Amber (822 - 2200K)									
214722	FHE 14W/WARM AMBER	14W	86V	0.165A	1B	G5	2200K	1350 lm	25
221722	FHE 21W/WARM AMBER	21W	126V	0.165A	1B	G5	2200K	2100 lm	25
200722	FHE 28W/WARM AMBER	28W	166V	0.170A	1B	G5	2200K	2900 lm	25
235722	FHE 35W/WARM AMBER	35W	205V	0.175A	1B	G5	2200K	3650 lm	25
T5 FHE Cool Blue (880 - 8000K)									
214780	FHE 14W/COOL BLUE	14W	86V	0.165A	1B	G5	8000K	1300 lm	25
221780	FHE 21W/COOL BLUE	21W	126V	0.165A	1B	G5	8000K	2000 lm	25
200780	FHE 28W/COOL BLUE	28W	166V	0.170A	1B	G5	8000K	2750 lm	25
235780	FHE 35W/COOL BLUE	35W	205V	0.175A	1B	G5	8000K	3500 lm	25
T5 FHE Coloured									
214RED	FHE 14W/RED	14W	86V	0.165A	N/A	G5	Red	950 lm	25
214BLU	FHE 14W/BLUE	14W	86V	0.165A	N/A	G5	Blue	280 lm	25
214GRN	FHE 14W/GREEN	14W	86V	0.165A	N/A	G5	Green	1650 lm	25
214YEL	FHE 14W/YELLOW	14W	86V	0.165A	N/A	G5	Yellow	520 lm	25
221RED	FHE 21W/RED	21W	126V	0.165A	N/A	G5	Red	1650 lm	25
221BLU	FHE 21W/BLUE	21W	126V	0.165A	N/A	G5	Blue	480 lm	25
221GRN	FHE 21W/GREEN	21W	126V	0.165A	N/A	G5	Green	2750 lm	25
221YEL	FHE 21W/YELLOW	21W	126V	0.165A	N/A	G5	Yellow	900 lm	25
228RED	FHE 28W/RED	28W	166V	0.170A	N/A	G5	Red	2100 lm	25
228BLU	FHE 28W/BLUE	28W	166V	0.170A	N/A	G5	Blue	700 lm	25
228GRN	FHE 28W/GREEN	28W	166V	0.170A	N/A	G5	Green	4100 lm	25
228YEL	FHE 28W/YELLOW	28W	166V	0.170A	N/A	G5	Yellow	1250 lm	25
235RED	FHE 35W/RED	35W	205V	0.175A	N/A	G5	Red	2950 lm	25
235BLU	FHE 35W/BLUE	35W	205V	0.175A	N/A	G5	Blue	900 lm	25
235GRN	FHE 35W/GREEN	35W	205V	0.175A	N/A	G5	Green	5000 lm	25
235YEL	FHE 35W/YELLOW	35W	205V	0.175A	N/A	G5	Yellow	1750 lm	25

T5 FHO LUXLINE® PLUS



- The T5 FHO Luxline Plus triphosphor lamp is the ideal solution for indirect and direct lighting, i.e. industrial lighting systems with high ceilings
- Compliments Sylvania SlimLite and SlimDim HO luminaires
- Average life time of 24,000 hours with pre-heat ballast
- For applications where a high luminous flux is required (up to 7000 lm per lamp)
- High colour rendering (Ra85/Class 1B)
- For electronic ballast operation only
- Optimum luminous flux at an ambient temperature of approx 35°C
- Suitable for dimming applications on approved dimmable electronic ballast
- Lamp should be initially operated at full power for 100 hours prior to any dimming of lamp
- Optimum performance of this lamp is based on lamp orientation in both the horizontal and vertical positions. To ensure correct optimum performance, please refer to your SYLVANIA office for clarification.

	A max	B min	B max	C max	D nom
24W	549	553.7	556.1	563.2	16
39W	849	853.7	856.1	863.2	16
49 & 80W	1449	1453.7	1456.1	1463.2	16
54W	1149	1153.7	1156.1	1163.2	16



T5 FHO LUXLINE® PLUS

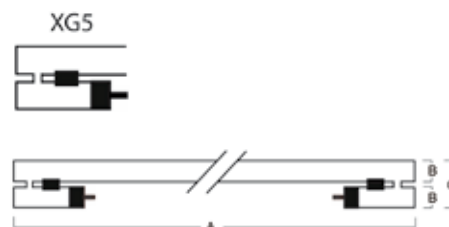
Code	Description	Watt	Volt	Current	CRI Group	Cap	Colour Temp	Luminous Flux 35°	Packing Qty.
T5 FHO Luxline Plus Warmwhite (830 - 3000K)									
200772	FHO 24W/830	24W	77V	0.295A	1B	G5	3000K	2000 lm	25
200775	FHO 39W/830	39W	118V	0.325A	1B	G5	3000K	3500 lm	25
200778	FHO 49W/830	49W	195V	0.255A	1B	G5	3000K	4900 lm	25
200781	FHO 54W/830	54W	120V	0.455A	1B	G5	3000K	5000 lm	25
201784	FHO 80W/830	80W	152V	0.530A	1B	G5	3000K	7000 lm	25
T5 FHO Luxline Plus White (835 - 3500K)									
202791	FHO 24W/835	24W	77V	0.295A	1B	G5	3500K	2000 lm	25
202792	FHO 39W/835	39W	118V	0.325A	1B	G5	3500K	3500 lm	25
202793	FHO 49W/835	49W	195V	0.255A	1B	G5	3500K	4900 lm	25
202794	FHO 54W/835	54W	120V	0.455A	1B	G5	3500K	5000 lm	25
T5 FHO Luxline Plus Coolwhite (840 - 4000K)									
200773	FHO 24W/840	24W	77V	0.295A	1B	G5	4000K	2000 lm	25
200776	FHO 39W/840	39W	118V	0.325A	1B	G5	4000K	3500 lm	25
200777	FHO 49W/840	49W	195V	0.255A	1B	G5	4000K	4900 lm	25
200782	FHO 54W/840	54W	120V	0.455A	1B	G5	4000K	5000 lm	25
202785	FHO 80W/840	80W	152V	0.530A	1B	G5	4000K	7000 lm	25
T5 FHO Luxline Plus Daylight (865 - 6500K)									
202774	FHO 24W/865	24W	77V	0.295A	1B	G5	6500K	1850 lm	25
202279	FHO 39W/865	39W	118V	0.325A	1B	G5	6500K	3250 lm	25
202780	FHO 49W/865	49W	195V	0.255A	1B	G5	6500K	4650 lm	25
202783	FHO 54W/865	54W	120V	0.455A	1B	G5	6500K	4550 lm	25

T5 FHO CONTINUOUS



- For use with SYLVANIA SlimLine T5 FHO Continuous luminaire only
- When combined with SYLVANIA SlimLine luminaire, the module connecting system makes it simple to create a continuous line of light with no visible dark spots
- For applications where a high luminous flux is required (up to 4900 lm per lamp)
- High colour rendering (Ra85/Class 1B)
- Another option utilising an energy efficient fluorescent light source to neon
- Optimum luminous flux at an ambient temperature of approximately 35°C
- Average lamp life: 12,000 hours
- Lamp should be initially operated at full power for 100 hours prior to any dimming of lamp
- Optimum performance of this lamp is based on lamp orientation in both the horizontal and vertical positions. To ensure optimum performance, please refer to your SYLVANIA office for clarification.

	A mm	B ømm	C mm
24W	580	15.5	35.5
39W	880	15.5	35.5
54W	1180	15.5	35.5



T5 FHO CONTINUOUS

Code	Description	Watt	Volt	Current	CRI Group	Cap	Colour Temp	Luminous Flux 35°	Packing Qty.
T5 FHO Continuous Warmwhite (830 - 3000K)									
224830	FHO/C 24W/830	24W	77V	0.295A	1B	XG5	3000K	2000 lm	25
239830	FHO/C 39W/830	39W	118V	0.325A	1B	XG5	3000K	3500 lm	25
254830	FHO/C 54W/830	54W	120V	0.455A	1B	XG5	3000K	5000 lm	25
T5 FHO Continuous Coolwhite (840 - 4000K)									
224840	FHO/C 24W/840	24W	77V	0.295A	1B	XG5	4000K	2000 lm	25
239840	FHO/C 39W/840	39W	118V	0.325A	1B	XG5	4000K	3500 lm	25
254840	FHO/C 54W/840	54W	120V	0.455A	1B	XG5	4000K	5000 lm	25
T5 FHO Continuous Daylight (865 - 6500K)									
224865	FHO/C 24W/865	24W	77V	0.295A	1B	XG5	6500K	1850 lm	25
239865	FHO/C 39W/865	39W	118V	0.325A	1B	XG5	6500K	3250 lm	25
254865	FHO/C 54W/865	54W	120V	0.455A	1B	XG5	6500K	4050 lm	25

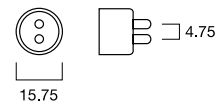


T5 TRI-PHOSPHOR / HALO-PHOSPHOR

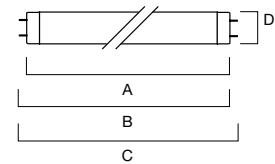


- 16mm fluorescent lamps in Tri-phosphor and Halo-phosphor colours
- For applications where space is limited
- Ideal solution for furniture, showcases, bathroom cabinets, transportation and leisure applications
- Average lamp life: 10000 hours

G5



	A max	B min	B max	C max	D nom
4W	135.9	140.6	143.0	150.1	16
6W	212.1	216.8	219.2	226.3	16
8W	288.3	293.0	295.4	302.5	16
13W	516.9	521.6	524.0	531.1	16



T5 TRI-PHOSPHOR / HALO-PHOSPHOR

Code	Description	Watt	Volt	Current	CRI Group	Cap	Colour Temp	Luminous Flux	Packing Qty.
T5 Tri-Phosphor Warmwhite (830 - 3000K)									
206830	F6W/830	6W	42V	0.160A	1B	G5	3000K	320 lm	25
208830	F8W/830	8W	56V	0.145A	1B	G5	3000K	480 lm	25
213830	F13W/830	13W	95V	0.165A	1B	G5	3000K	980 lm	25
T5 Tri-Phosphor Coolwhite (840 - 4000K)									
206840	F6W/840	6W	42V	0.160A	1B	G5	4000K	320 lm	25
208840	F8W/840	8W	56V	0.145A	1B	G5	4000K	480 lm	25
213840	F13W/840	13W	95V	0.165A	1B	G5	4000K	980 lm	25
T5 Tri-Phosphor Daylight (865 - 6500K)									
206865	F6W/865	6W	42V	0.160A	1B	G5	6500K	290 lm	25
208865	F8W/865	8W	56V	0.145A	1B	G5	6500K	440 lm	25
213865	F13W/865	13W	95V	0.165A	1B	G5	6500K	950 lm	25
T5 Standard Coolwhite (33 - 640 - 4000K)									
204160	F4W/CW	4W	29V	0.170A	2B	G5	4000K	140 lm	25
206160	F6W/CW	6W	42V	0.160A	2B	G5	4000K	280 lm	25
208160	F8W/CW	8W	56V	0.145A	2B	G5	4000K	400 lm	25
213160	F13W/CW	13W	95V	0.165A	2B	G5	4000K	880 lm	25

T5 TUBE SLEEVES



- T5 toughened plastic cover sleeves with end caps
- Shatter resistant clear polycarbonate sleeves for use in areas where debris from broken lamps is not accepted. This product is also available in six distinct colours: Red, Blue, Green, Yellow, Amber and Pink.
- Ultra violet stop, clear acrylic sleeves offer UV filtering for those sensitive areas with 0% transmittance of UV below 300nm. (This product is NOT shatter resistant)
- 28W/T5 lengths generally stocked. Shorter lengths by utilising 28W/T5 lengths cut to suit. Extra end caps available.
- Optimum service life: 10 years

	L	D
28W	1149	18

T5 TUBE SLEEVES

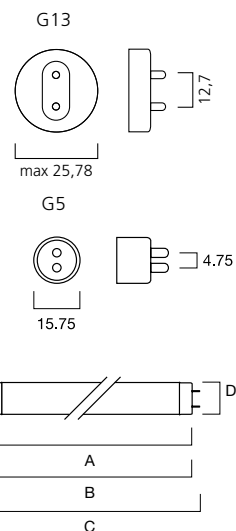
Code	Description	Watt	Cap	Colour	Luminous Flux	Packing Qty.
T5 Acrylic UV Stop						
28PUT5	F28W/UVS/SLEC	N/A	N/A	Clear	N/A	20
T5 Polycarbonate - Shatter Resistant						
28PCT5	F28W/CLR/SLEC	N/A	N/A	Clear	N/A	20
28PRT5	F28W/RED/SLEC	N/A	N/A	Red	N/A	20
28PBT5	F28W/BLU/SLEC	N/A	N/A	Blue	N/A	20
28PGT5	F28W/GRN/SLEC	N/A	N/A	Green	N/A	20
28PYT5	F28W/YEL/SLEC	N/A	N/A	Yellow	N/A	20
28PAT5	F28W/AMB/SLEC	N/A	N/A	Amber	N/A	20
28PPT5	F28W/PNK/SLEC	N/A	N/A	Pink	N/A	20

T5 / T8 SHATTER RESISTANT TRI-PHOSPHOR



- Fluorescent lamp with a transparent VPE plastic sleeve
- Protection against glass splinters and other lamp parts
- Absorbs UV radiation below 380nm
- Maximum 5% decrease in light output compared to a standard lamp
- Colour temperature and colour rendering not affected
- For optimum effect, average rated life is 10000 hours
- This lamp should not be used in enclosed (IP65) fittings
- Special green slip to indicate Shatter Coat applied

	A	B	B	C	D
	max	min	max	max	nom
14W	549	555.7	556.1	663.2	16
21W	849	853.7	556.1	563.2	16
28W	1149	1153.7	556.1	663.2	16
35W	1449	1453.7	1456.1	1463.2	16
18W	589.8	594.5	596.9	604.0	26
36W	970.0	974.7	977.1	984.2	26
58W	1500.0	1504.0	1507.1	1514.2	26



T5 / T8 PREMIUM EXTRA SHATTER RESISTANT TRI-PHOSPHOR

Code	Description	Watt	Volt	Current	CRI Group	Cap	Colour Temp	Luminous Flux	Packing Qty.
T5 FHE Tri-Phosphor Shatter-Resistant Coated Coolwhite (840 - 4000K)									
200761SP	FHE14W/840 Shatter-Resistant	14W	86V	0.165A	1B	G5	4000K	1350 lm	25
200764SP	FHE21W/840 Shatter-Resistant	21W	126V	0.165A	1B	G5	4000K	2100 lm	25
200767SP	FHE28W/840 Shatter-Resistant	28W	166V	0.170A	1B	G5	4000K	2900 lm	25
200770SP	FHE35W/840 Shatter-Resistant	35W	205V	0.175A	1B	G5	4000K	3650 lm	25
T8 Tri-Phosphor Shatter-Resistant Coated Coolwhite (840 - 4000K)									
218048SP	F18W/840 Shatter-Resistant	18W	57V	0.370A	1B	G13	4000K	1285 lm	25
218010SP	F36W/840 Shatter-Resistant	36W	103V	0.430A	1B	G13	4000K	3180 lm	25
218144SP	F58W/840 Shatter-Resistant	58W	110V	0.670A	1B	G13	4000K	4940 lm	25
T8 Tri-Phosphor Shatter-Resistant Coated Daylight (865 - 6500K)									
218050SP	F18W/865 Shatter-Resistant	18W	57V	0.370A	1B	G13	6500K	1285 lm	25
218006SP	F36W/865 Shatter-Resistant	36W	103V	0.430A	1B	G13	6500K	3180 lm	25
218145SP	F58W/865 Shatter-Resistant	58W	110V	0.670A	1B	G13	6500K	4940 lm	25

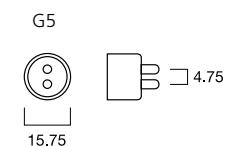
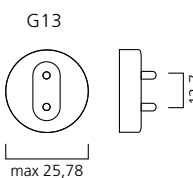
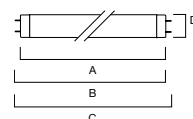
Note: Other colour options available on request

T5 / T8 EMERGENCY



- Range of T5 fluorescent lamps for the exclusive use in emergency lighting luminaires
- T8 has high voltage lamp cathode of 9V
- Only for operation by battery with electronic ballast (low lamp currents)
- Reliable ignition (glow to arc)
- Luminous flux dependant on individual ballast (lamp current) on T5 lamps

	A max	B min	B max	C max	D nom
8W	288.3	293.0	295.4	302.5	16
10W	350	293.0	295.4	302.5	26



T5 / T8 EMERGENCY

Code	Description	Watt	Volt	Current	CRI Group	Cap	Colour Temp	Luminous Flux	Packing Qty.
T5 / T8 Emergency									
201913	F8W/T5/840/Em	8W	71V	0.046A*	1B	G5	4000K	**	25
214050	F10T8/CW/HV***	10W	47V	0.265A	2B	G13	4300K	420 lm	25

* Lamp current: Not suitable for asymmetrical lamp current with d.c. component

** Luminous Flux: Depends on individual ballast

*** Average Life: 4000 hours

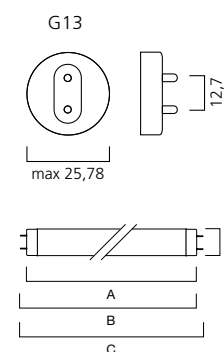


T8 PREMIUM EXTRA TRI-PHOSPHOR



- T8 fluorescent lamp with high colour rendering and excellent lumen maintenance
- Colour rendering: Ra80-89/Class 1B
- High luminous efficacy
- Average rated life 20000 hours (based on 3 hrs burning cycle)
- Operates on conventional and electronic ballasts
- Meets the lighting requirements as specified in the European Standard
- EN 12464-1 for work places and AS/NZS 4782.1/4782.2-2004/Amdt 2006
- Mercury content < 3.0mg

	A	B	B	C	D
	max	min	max	max	nom
18W	589.8	594.5	596.9	604.0	26
36W	1199.4	1204.1	1206.5	1213.6	26
58W	1500.0	1504.7	1507.1	1514.2	26
70W	1763.8	1768.5	1770.9	1778.0	26



T8 PREMIUM EXTRA TRI-PHOSPHOR

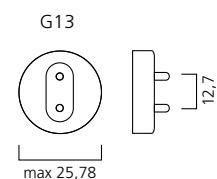
Code	Description	Watt	Volt	Current	CRI Group	Cap	Colour Temp	Luminous Flux	Packing Qty.
T8 PREMIUM extra Homelight (827 - 2700K)									
218040	F18W/827	18W	57V	0.370A	1B	G13	2700K	1350 lm	25
217980	F36W/827	36W	103V	0.430A	1B	G13	2700K	3350 lm	25
218135	F58W/827	58W	110V	0.670A	1B	G13	2700K	5200 lm	25
T8 PREMIUM extra Warmwhite (830 - 3000K)									
218049	F18W/830	18W	57V	0.370A	1B	G13	3000K	1350 lm	25
218004	F36W/830	36W	103V	0.430A	1B	G13	3000K	3350 lm	25
218185	F58W/830	58W	110V	0.670A	1B	G13	3000K	5200 lm	25
T8 PREMIUM extra White (835 - 3500K)									
200580	F18W/835	18W	57V	0.370A	1B	G13	3500K	1350 lm	25
201578	F36W/835	36W	103V	0.430A	1B	G13	3500K	3350 lm	25
201394	F58W/835	58W	110V	0.670A	1B	G13	3500K	5200 lm	25
T8 PREMIUM extra Coolwhite (840 - 4000K)									
218048	F18W/840	18W	57V	0.370A	1B	G13	4000K	1350 lm	25
218010	F36W/840	36W	103V	0.430A	1B	G13	4000K	3350 lm	25
218144	F58W/840	58W	110V	0.670A	1B	G13	4000K	5200 lm	25
T8 PREMIUM extra Daylight Deluxe (850 - 5000K)									
212960	F18W/850	18W	57V	0.370A	1B	G13	5000K	1325 lm	25
212961	F36W/850	36W	103V	0.430A	1B	G13	5000K	3300 lm	25
212962	F58W/850	58W	110V	0.670A	1B	G13	5000K	5100 lm	25
T8 PREMIUM extra Daylight (865 - 6500K)									
218050	F18W/865	18W	57V	0.370A	1B	G13	6500K	1300 lm	25
218006	F36W/865	36W	103V	0.430A	1B	G13	6500K	3250 lm	25
218145	F58W/865	58W	110V	0.670A	1B	G13	6500K	5000 lm	25

T8 SUPERCOLOUR / ACTIVA

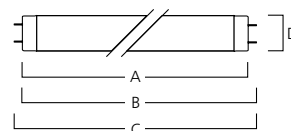
High Colour Rendering



- Outstanding colour rendering property fluorescent lamps (Ra >90)
- Perfect fluorescent lamp to make people and objects in your surrounding appear vibrant and natural
- Ideal fluorescent lamp for specialist industrial/commercial applications such as printing, dyeing and colour matching
- Retail applications where colour is important to display products in their best possible way
- Operates on conventional and electronic ballasts
- Average rated life 20,000 hours



	A max	B min	B max	C max	D nom
18W	589.8	594.5	596.9	604.0	26
36W	1199.4	1204.1	1206.5	1213.6	26
58W	1500.0	1504.7	1507.1	1514.2	26

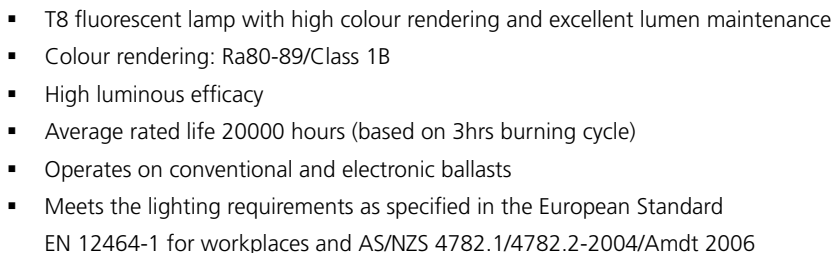


T8 SUPERCOLOUR / ACTIVA

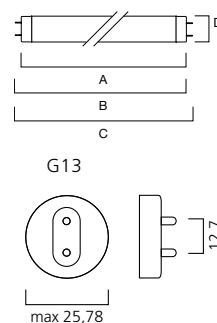
Code	Description	Watt	Volt	Current	CRI Group	Cap	Colour Temp	Luminous Flux	Packing Qty.
T8 Supercolour 940									
201580	F18W/940	18W	57V	0.370A	1A	G13	4000K	1200	25
201581	F36W/940	36W	103V	0.430A	1A	G13	4000K	2900	25
201582	F58W/940	58W	110V	0.670A	1A	G13	4000K	4600	25
T8 Activa 172									
218039	F18W/ACTIVA	18W	57V	0.370A	1A	G13	6500K	1000	25
218028	F36W/ACTIVA	36W	103V	0.430A	1A	G13	6500K	2300	25
218134	F58W/ACTIVA	58W	110V	0.670A	1A	G13	6500K	3700	25



Tri-phosphor



	A	B	B	C	D
	max	min	max	max	nom
15W	437.4	442.1	444.5	451.6	26
25W 28"	691.4,	696.1,	698.5,	705.6,	26
25W 30"	742.2,	746.9,	749.3,	756.4,	26
25W 33"	818.4,	823.1,	825.5,	832.6,	26
30W	894.6	899.3	901.7	908.8	26
36W	970.0	974.1	977.1	984.2	26
38W	1050.0	1051.7	1054.1	1061.2	26
70W	1763.8	1768.5	1770.9	1778.0	26



Code	Description	Watt	Volt	Current	Cap to Cap Lamp Length	CRI Group	Cap	Colour Temp	Luminous Flux	Packing Qty.
T8 Luxline Plus Special Length		Homelight (827 - 2700K)								
201850	F15W/827	15W	55V	0.310A	438mm	1B	G13	2700K	950 lm	25
201685	F30W/827	30W	96V	0.365A	895mm	1B	G13	2700K	2400 lm	25
T8 Luxline Plus Special Length		Warmwhite (830 - 3000K)								
201853	F15W/830	15W	55V	0.310A	438mm	1B	G13	3000K	950 lm	25
201079	F30W/830	30W	96V	0.365A	895mm	1B	G13	3000K	2400 lm	25
201521	F38W/830	38W	104V	0.430A	1047mm	1B	G13	3000K	3200 lm	25
T8 Luxline Plus Special Length		Coolwhite (840 - 4000K)								
200567	F15W/840	15W	55V	0.310A	438mm	1B	G13	4000K	950 lm	25
200874	F25W/28"/840	25W	80V	0.380A	691mm/28"	1B	G13	4000K	2000 lm	25
221085	F25W/30"/840	25W	84V	0.360A	742mm/30"	1B	G13	4000K	2200 lm	25
200878	F25W/33"/840	25W	90V	0.340A	818mm/33"	1B	G13	4000K	2300 lm	25
201080	F30W/840	30W	96V	0.365A	895mm	1B	G13	4000K	2400 lm	25
201520	F38W/840	38W	104V	0.430A	1047mm	1B	G13	4000K	3200 lm	25
211094	FL70W/840	70W	128V	0.700A	895mm	1B	G13	4000K	6000 lm	25
T8 Luxline Plus Special Length		Daylight (865 - 6500K)								
200947	F15W/865	15W	55V	0.310A	438mm	1B	G13	6500K	900 lm	25
201070	F30W/865	30W	96V	0.365A	895mm	1B	G13	6500K	2300 lm	25
211096	FL70W/865	70W	128V	0.700A	895mm	1B	G13	6500K	5700 lm	25

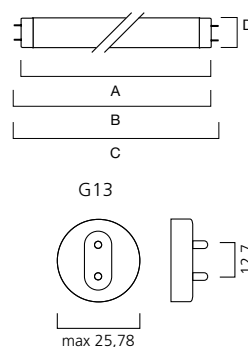
T8 SPECIAL LENGTH

Halo-phosphor



- Standard T8 fluorescent lamps with a wide range of special wattages in standard colours
- Colour rendering: Ra50-79/Class 3-2A
- Suitable for areas where people are not engaged in work for long periods of time (EN 12464-1)
- Average lamp life: Up to 14000 hours

	A	B	B	C	D
	max	min	max	max	nom
14W	361.2	365.8	368.3	375.4	26
15W	437.4	442.1	444.5	451.6	26
18W/28"	700.0	690.1	698.5	705.6	26
18W/30"	750.0	746.9	749.3	756.4	26
70W	1763.8	1768.5	1770.9	1778.0	26



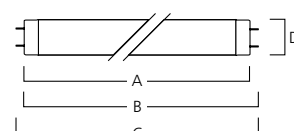
T8 Special Length Halo-phosphor

Code	Description	Watt	Volt	Current	CRI Group	Cap	Colour Temp	Luminous Flux	Packing Qty.
T8 Special Length Coolwhite									
214860	F14W/CW	14W	38V	0.395A	2B	G13	4300K	700 lm	25
216160	F15W/CW	15W	55V	0.310A	2B	G13	4000K	900 lm	25
230280	F18W/CW/28"	18W	57V	0.370A	2B	G13	4200K	1360 lm	24
230300	F18W/CW/30"	18W	57V	0.370A	2B	G13	4200K	1400 lm	24
211090	F70W/CW	70W	128V	0.700A	2B	G13	4300K	5700 lm	25
T8 Special Length Daylight									
216000	F15W/D	15W	55V	0.310A	2B	G13	6500K	900 lm	25

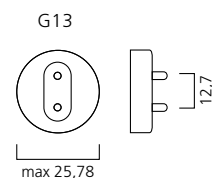
T8 OCTRON



- T8 fluorescent lamps for the exclusive use with an Octron ballast
- Maximum energy efficiency
- High colour rendering: Ra85/Class 1B
- High light output
- High lamp lumen maintenance factor
- Average lamp life: 20000 hours



	A max	B min	B max	C max	D nom
32W	1199.4	1204.1	1206.5	1213.6	26



T8 OCTRON

Code	Description	Watt	Volt	Current	CRI Group	Cap	Colour Temp	Luminous Flux	Packing Qty.
T8 Octron Warmwhite (831 - 3100K)									
218250	FO32W/31K 831	32W	135V	0.265A	1B	G13	3100K	2900 lm	25
T8 Octron Coolwhite (841 - 4100K)									
218240	FO32W/41K 841	32W	135V	0.265A	1B	G13	4100K	2900 lm	25



T8 COLOURED



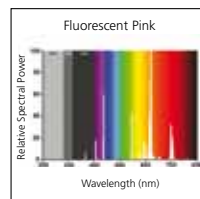
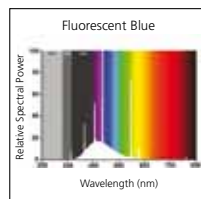
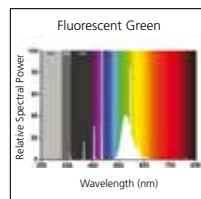
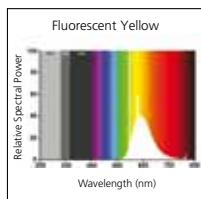
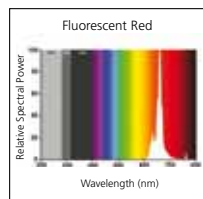
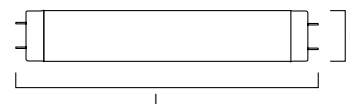
FEATURES

- High quality coloured fluorescent lamps
- Long life
- Available in five colours: Blue, Green, Red, Pink and Yellow
- Colours shown in images are representative only

APPLICATIONS

- To create special lighting effects in shop windows, bars, fairground attractions, Dance Halls and Night Clubs

G13	18W	36W	58W
L	590	1200	1500
D	26	26	26



T8 COLOURED

Code	Description	Watt	Volt	Current	Cap	Colour Temp	Luminous Flux	Packing Qty.
202572	F18W/T8/R	18W	57V	0.370A	G13	Red	30 lm	25
202573	F36W/T8/R	36W	103V	0.430A	G13	Red	70 lm	25
202574	F58W/T8/R	58W	110V	0.670A	G13	Red	100 lm	25
202561	F18W/T8/Y	18W	57V	0.370A	G13	Yellow	750 lm	25
202565	F36W/T8/Y	36W	103V	0.430A	G13	Yellow	1550 lm	25
202569	F58W/T8/Y	58W	110V	0.670A	G13	Yellow	2500 lm	25
202562	F18W/T8/G	18W	57V	0.370A	G13	Green	1200 lm	25
202566	F36W/T8/G	36W	103V	0.430A	G13	Green	2800 lm	25
202570	F58W/T8/G	58W	110V	0.670A	G13	Green	4000 lm	25
202563	F18W/T8/B	18W	57V	0.370A	G13	Blue	300 lm	25
202567	F36W/T8/B	36W	103V	0.430A	G13	Blue	700 lm	25
202571	F58W/T8/B	58W	110V	0.670A	G13	Blue	1000 lm	25
202560	F18W/T8/P	18W	57V	0.370A	G13	Pink	750 lm	25
202564	F36W/T8/P	36W	103V	0.430A	G13	Pink	1700 lm	25
202568	F58W/T8/P	58W	110V	0.670A	G13	Pink	2600 lm	25

T8 TUBE SLEEVES



- T8 toughened plastic cover sleeves with end caps
- Shatter resistant clear polycarbonate sleeves for use in areas where debris from broken lamps is not accepted. This product is also available in six distinct colours: Red, Blue, Green, Yellow, Amber and Pink.
- Ultra violet stop, clear acrylic sleeves offer UV filtering for those sensitive areas with 0% transmittance of UV below 300nm. (This product is NOT shatter resistant)
- 36W/T8 lengths generally stocked. Shorter lengths by utilising 36W/T8 lengths cut to suit. Extra end caps available.
- Optimum service life: 10 years

	L	D
36W	1200	30
58W	1500	30

T8 TUBE SLEEVES

Code	Description	Watt	Cap	Colour	Luminous Flux	Packing Qty.
T8 Acrylic UV Stop						
36PUT8	F36W/UVS/SLEC*	N/A	N/A	Clear	N/A	20
T8 Polycarbonate - Shatter Resistant						
36PCT8	F36W/CLR/SLEC	N/A	N/A	Clear	N/A	20
36PRT8	F36W/RED/SLEC	N/A	N/A	Red	N/A	20
36PBT8	F36W/BLU/SLEC	N/A	N/A	Blue	N/A	20
36PGT8	F36W/GRN/SLEC	N/A	N/A	Green	N/A	20
36PYT8	F36W/YEL/SLEC	N/A	N/A	Yellow	N/A	20
36PAT8	F36W/AMB/SLEC	N/A	N/A	Amber	N/A	20
36PPT8	F36W/PNK/SLEC	N/A	N/A	Pink	N/A	20
58PCT8	F58W/CLR/SLEC	N/A	N/A	Clear	N/A	20
58PRT8	F58W/RED/SLEC	N/A	N/A	Red	N/A	20
58PBT8	F58W/BLU/SLEC	N/A	N/A	Blue	N/A	20
58PGT8	F58W/GRN/SLEC	N/A	N/A	Green	N/A	20
58PYT8	F58W/YEL/SLEC	N/A	N/A	Yellow	N/A	20
58PAT8	F58W/AMB/SLEC	N/A	N/A	Amber	N/A	20
58PPT8	F58W/PNK/SLEC	N/A	N/A	Pink	N/A	20

* Non shatter resistant

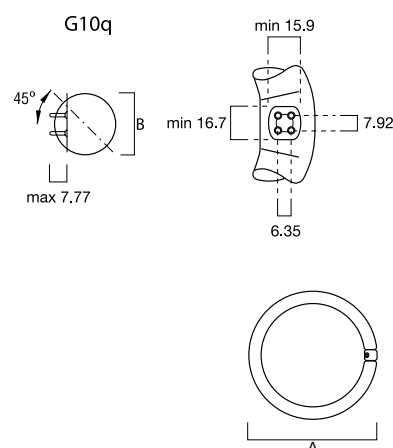
T9

Circline / Circline Standard



- T9 circular fluorescent lamps
- Available in tri-phosphor and standard cool white colours
- Suitable in a wide range of round and square shaped luminaires for various purposes
- For commercial and domestic lighting
- Average lamp life: 7500 hours

	A	B
22W	215.9	30.9
32W	204.8	30.9
40W	406.4	30.9



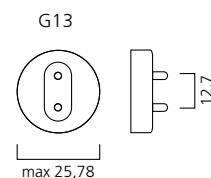
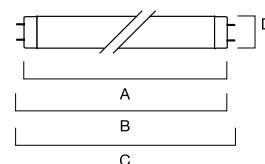
T9 CIRCULAR

Code	Description	Watt	Volt	Current	CRI Group	Cap	Colour Temp	Luminous Flux	Packing Qty.
Warmwhite (830 - 3000K)									
220830	FC22W/830	22W	62V	0.400A	1B	G10q	3000K	1340 lm	12
320830	FC32W/830	32W	84V	0.450A	1B	G10q	3000K	2405 lm	12
400830	FC40W/830	40W	115V	0.415A	1B	G10q	3000K	3360 lm	12
Daylight Deluxe (850 - 5000K)									
201470	FC22W/850	22W	62V	0.400A	1B	G10q	5000K	1320 lm	12
201410	FC32W/850	32W	84V	0.450A	1B	G10q	5000K	2375 lm	12
201310	FC40W/850	40W	115V	0.415A	1B	G10q	5000K	3330 lm	12
Daylight (865 - 6500K)									
220865	FC22W/865	22W	62V	0.400A	1B	G10q	6500K	1260 lm	12
320865	FC32W/865	32W	84V	0.450A	1B	G10q	6500K	2340 lm	12
400865	FC40W/865	40W	115V	0.415A	1B	G10q	6500K	3140 lm	12
Coolwhite Halo-phosphor (642 - 4200K)									
201480	FC22W/CW	22W	62V	0.400A	2B	G10q	4200K	1100 lm	12
201420	FC32W/CW	32W	84V	0.450A	2B	G10q	4200K	2000 lm	12
201320	FC40W/CW	40W	115V	0.415A	2B	G10q	4200K	2800 lm	12

T12 - RAPID START



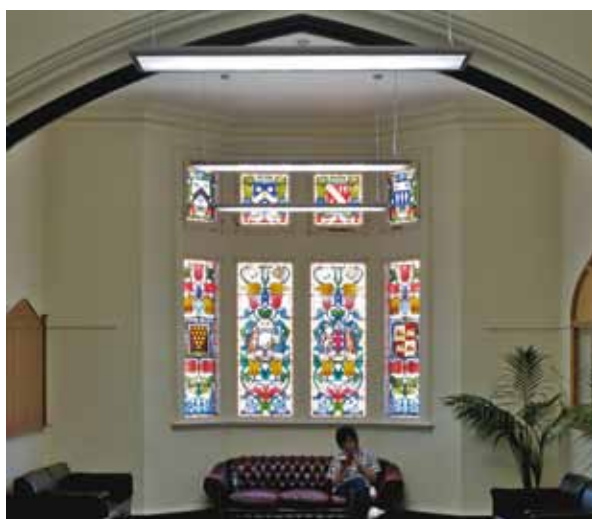
- A range of T12 fluorescent lamps in various wattages and colours
- 20W/40W/65W are tri-phosphor coated lamps
- For use in luminaires and installations utilising Rapid start circuits
- RS: Rapid Start in accordance with EN 60081
- Starterless systems with separate electrode heating transformer
- These lamps can also be used on switch start systems
- Average lamp life: 10000 hours - 75W/85W, 15000 hours - 20W/40W



	A	B	B	C	D
	max	min	max	max	nom
20W	589.8	594.5	596.9	604.0	38
40W	1199.4	1204.1	1206.5	1213.6	38
75/85W	1763.8	1768.5	1770.9	1778.0	38

T12 - RAPID START

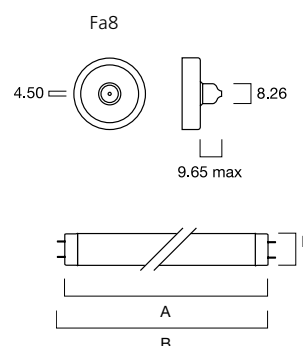
Code	Description	Watt	Volt	Current	CRI Group	Cap	Colour Temp	Luminous Flux	Packing Qty.
T12 Tri-Phosphor - Coolwhite (840 - 4000K)									
220840	F20T12/840/RS	20W	57V	0.370A	1B	G13	4000K	1290 lm	25
245410	F40T12/840/RS	40W	103V	0.430A	1B	G13	4000K	3320 lm	25
T12 Standard - Rapid Start - Coolwhite (643 - 4300K)									
291400	F75/85T12/CW/RS	75W	130V	0.670A	2B	G13	4300K	6000 lm	25
		85W	120V	0.800A	2B	G13	4300K	6400 lm	25



T12 SLIMLINE



- Wide range of single pin fluorescent lamps
- Operate without the use of a starter
- General lighting in industrial areas and for special applications
i.e. refrigerated food displays
- Average lamp life: 12000 hours



	A nom	B min	C nom
F64	1626	1575	38
F72	1829	1776	38
F96	2438	2385	38

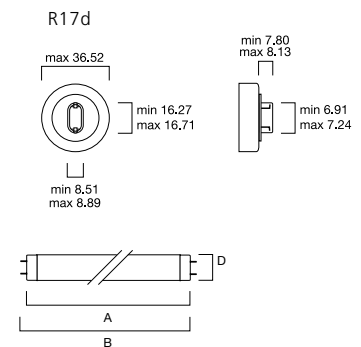
T12 SLIMLINE

Code	Description	Watt	Volt	Current	CRI Group	Cap	Colour Temp	Luminous Flux	Packing Qty.
T12 Slimline Halo-phosphor Coolwhite (642 - 4200K)									
264030	F64T12/CW	52W	136V	0.425A	2B	Fa8	4200K	3900 lm	30
272760	F72T12/CW	55W	149V	0.425A	2B	Fa8	4200K	4500 lm	15
T12 Slimline Tri-phosphor Daylight Deluxe (850 - 5000K)									
296840	F96T12/5000K	75W	197V	0.425A	1A	Fa8	5000K	4400 lm	15

T12 HIGH OUTPUT (HO) / VERY HIGH OUTPUT (VHO)



- High lumen output lamps
- No starter required, flicker free starting
- Special vapour pressure control centres at each end of the lamp maintain efficient operating conditions
- Maximum light output at low ambient temperature
- Recessed Double Contact (RDC) R17d caps
- Average lamp life: 12000 hours (HO), 10000 hours (VHO)



	A	B	D
	max	min	nom
F48	1160	1151	38
F60	1219	1168	38
F72	1829	1776	38
F96	2438	2385	38

T12 HIGH OUTPUT (HO) / VERY HIGH OUTPUT (VHO)

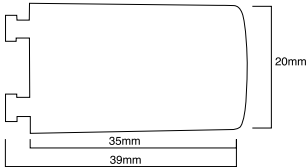
Code	Description	Watt	Volt	Current	CRI Group	Cap	Colour Temp	Luminous Flux	Packing Qty.
T12 High Output Coolwhite (642 - 4200K)									
211460	F48T12/CW/HO	60W	79V	0.80A	2B	R17d	4200K	4050 lm	30
211260	F60T12/CW/HO	70W	95V	0.80A	2B	R17d	4200K	5200 lm	30
211760	F72T12/CW/HO	85W	116V	0.80A	2B	R17d	4200K	6250 lm	15
211560	F96T12/CW/HO	110W	152V	0.80A	2B	R17d	4200K	8600 lm	15
T12 Very High Output Daylight Deluxe (850 - 5000K)									
213690	F96T12/5000K/HO	110W	152V	0.80A	1A	R17d	5000K	6450 lm	15
T12 Very High Output Coolwhite (642 - 4200K)									
252860	F48T12/CW/VHO	115W	83V	1.50A	2B	R17d	4200K	6600 lm	30
212620	F60T12/CW/VHO	135W	109V	1.50A	2B	R17d	4200K	8700 lm	30
212720	F72T12/CW/VHO	160W	124V	1.50A	2B	R17d	4200K	10600 lm	15
212090	F96T12/CW/VHO	215W	145V	1.50A	2B	R17d	4200K	14000 lm	15

STANDARD FLUORESCENT STARTERS



FS14/FS22

- Standard glow bottle starters
- Flame resistant body
- Fully compliant to AS/IEC Standards
- Recommended starter should be replaced with every lamp change



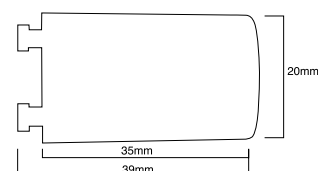
STANDARD FLUORESCENT STARTERS

Code	Description	Watt	Volt	Lamp Type	Circuit	Packing Qty.
FS Standard Starters						
900007	FS-14	4, 6, 8, 13W	220-240V	T5	Single	25/2000
		14, 15, 16, 18, 25, 36, 38, 58W	220-240V	T8	Single	
		20, 40, 65W	220-240V	T12	Single	
		22, 32, 40, 60W	220-240V	Circline	Single	
		18, 24, 36W	220-240V	CF-L	Single	
900008	FS-22	4, 6, 8W	120V	T12	Single	25/2000
		4, 6, 8W	240V	T12	Twin	
		14, 15, 18W	120V	T8	Single	
		14, 15, 18W	240V	T8	Twin	
		20W	120V	T12	Single	
		20W	240V	T12	Twin	
		22W	120V	Circline	Single	
		22W	240V	Circline	Twin	
		18W	120V	CF-L	Single	
		18W	240V	CF-L	Twin	
		18W	120V	CF-F	Single	
		18W	240V	CF-F	Twin	

ELECTRONIC FLUORESCENT STARTERS (EFS)



- Increases lamp operating life up to 2-3 times (up to 25000 hours)
- Senses ambient temperature and pre-heats cathodes accordingly
- Eliminates annoying flickering lamps during start-up and operation
- Reduces annual relamp costs
- Eliminates the fire risk and overheating associated with flickering
- Suitable for low temperature operation (-30°C)
- Manufactured to standards IEC926 - AS/NZ 60155 (safety), IEC 927 (performance)
- Reliable proven electronic design

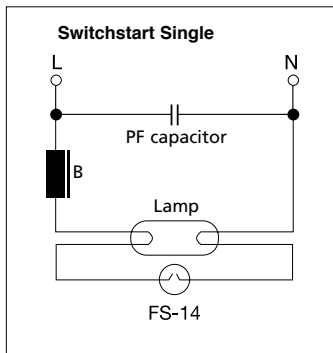


ELECTRONIC FLUORESCENT STARTERS (EFS)

Code	Description	Watt	Volt	Lamp Type	Circuit	Packing Qty.
Electronic Starters						
900024	EFS129	15W	110-250V	dia 26mm	Single	10
		20W		dia 38mm	Single	
		16W 4 PIN		CF2D	Single	
		22W		Circline	Single	
900027	EFS628	30, 32, 36, 38, 58, 70W	200-260V	dia 26mm	Single	10
		30, 40, 65, 75/85, 85, 125W		dia 38mm	Single	
		18, 24, 36W		CFL	Single	
		18, 26W		CFDE	Single	
		28, 38W 4 PIN		CF2D	Single	
		Not suitable for Suntanning Lamps				

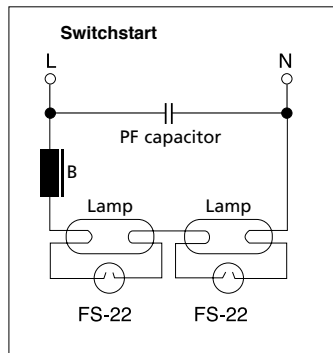
FLUORESCENT TUBES

Circuit Diagrams



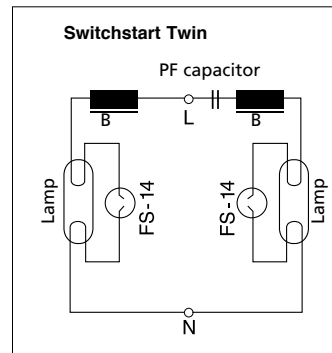
SWITCHSTART SINGLE

The most common circuit using a ballast and glow starter which effects electrode pre-heating. When the starter contacts open the ballast supplies the starting voltage.
Reliable starting is from -5°C to +50°C.



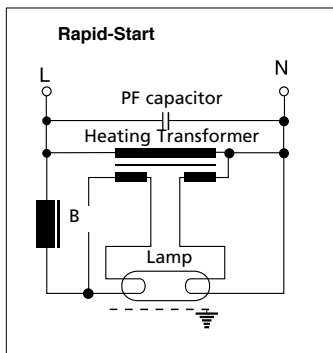
SWITCHSTART

A circuit used for most lamp types up to 20W. Two fluorescent lamps are run in series using one ballast but with individual starters operating as above.



SWITCHSTART TWIN

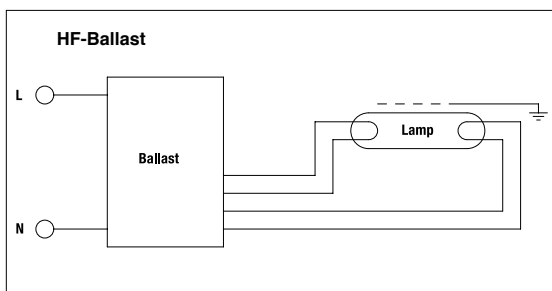
A common circuit combination for Twin lamp luminaires, with high power factor and less likelihood of flicker.



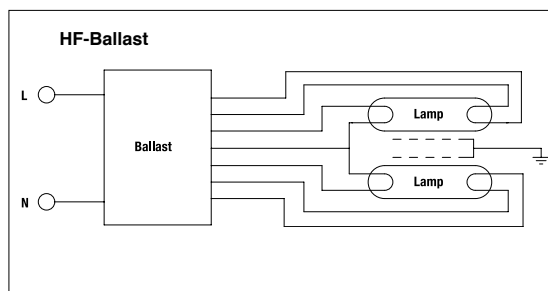
RAPID-START

A circuit giving flicker-free instant starting and increased lamp life. The lamp is operated in series with a standard ballast. The electrode pre-heating voltage is provided by a separate transformer.
Reliable starting from -10°C to +40°C.

L = external conductor L₁, L₂, L₃
N = median conductor MP
B = ballast
PF = power factor capacitor
K_z = start-up capacitor



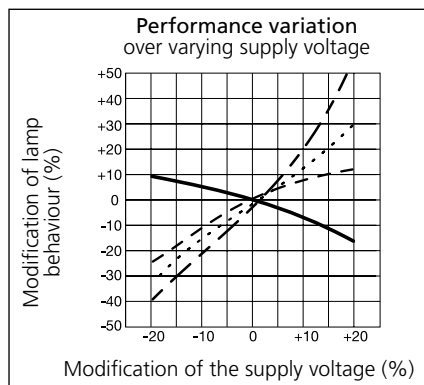
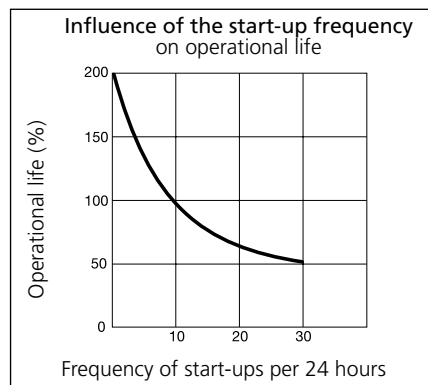
SINGLE LAMP OPERATION



TWIN LAMP OPERATION

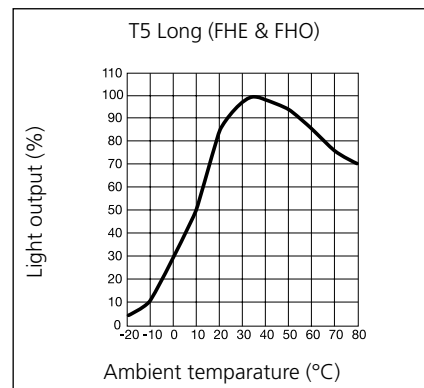
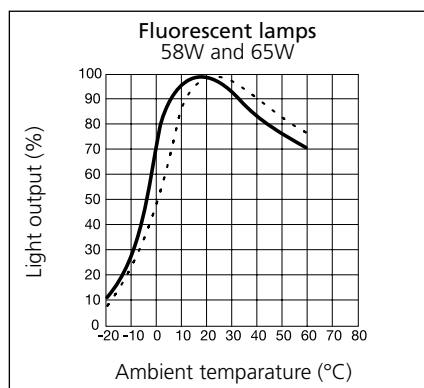
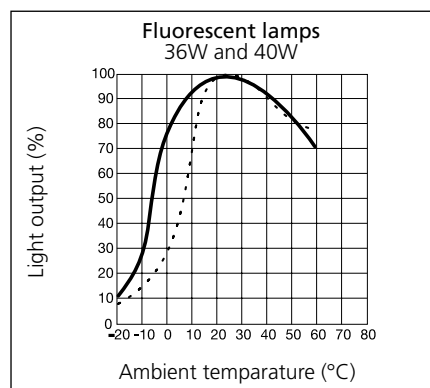
FLUORESCENT TUBES

Operating Characteristics



I_L — lamp current
 P_L ··· lamp conductor
 Φ - - light output
 U_L — lamp voltage

RELATIONSHIP BETWEEN AMBIENT TEMPERATURE AND LIGHT OUTPUT

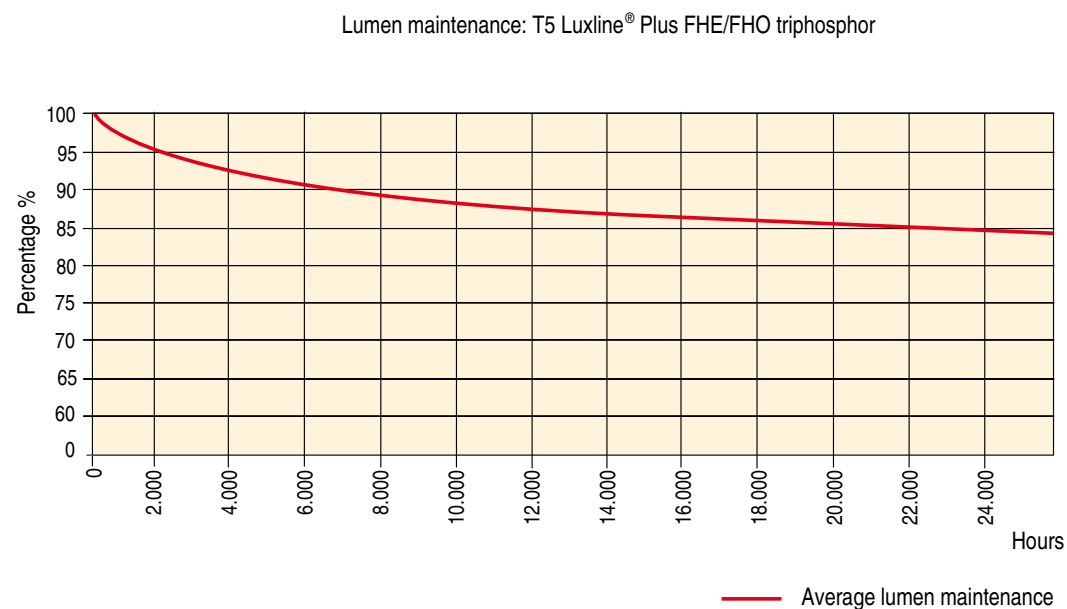
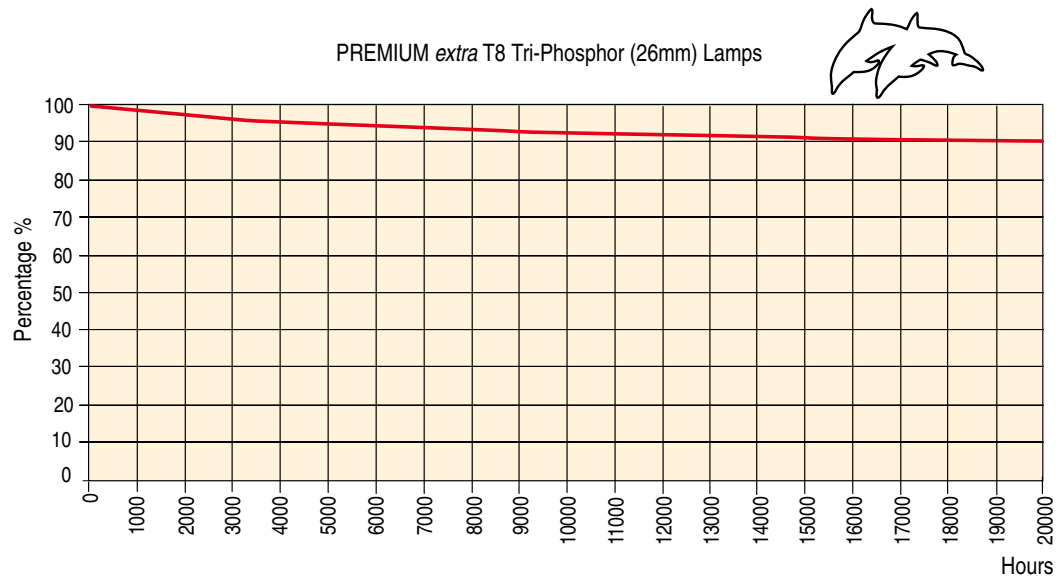


····· F36w
 — F40W

····· F58w
 — F65W

FLUORESCENT TUBES

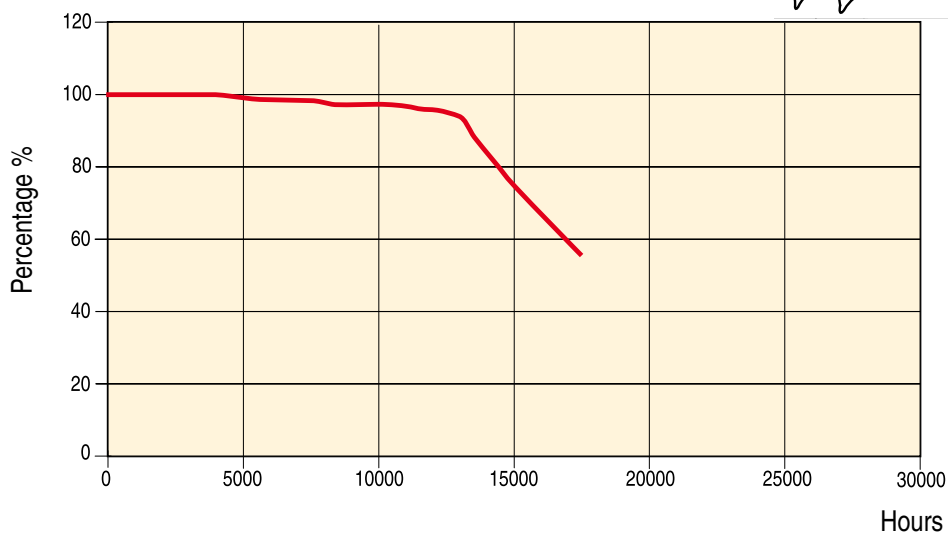
Lumen Maintenance



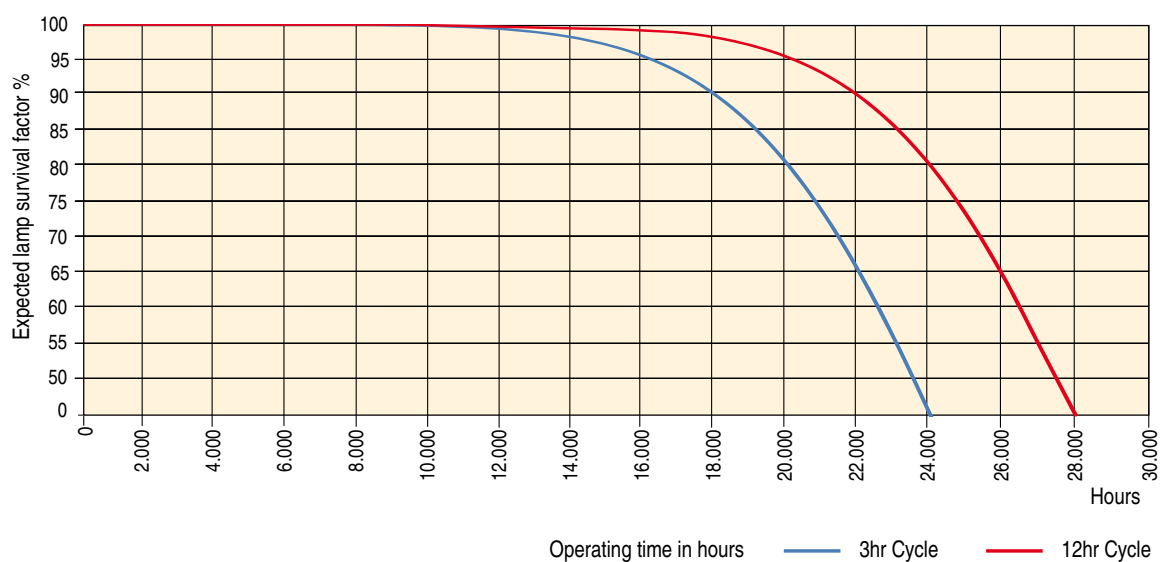
FLUORESCENT TUBES

Mortality Curves

PREMIUM extra T8 Tri-phosphor (26mm) Lamps

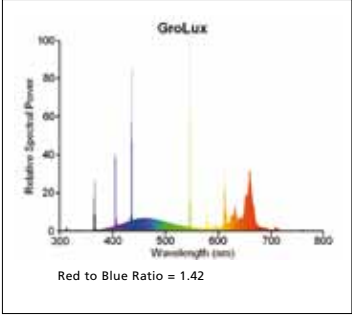
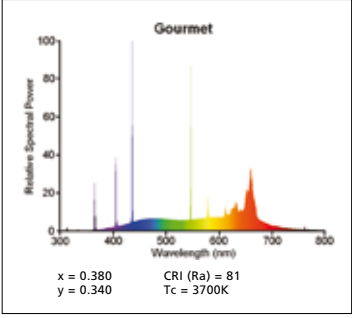
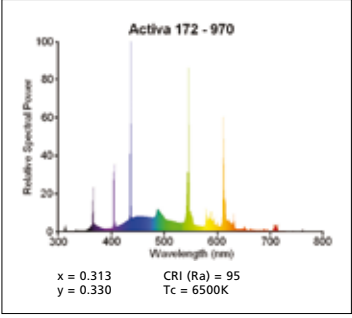
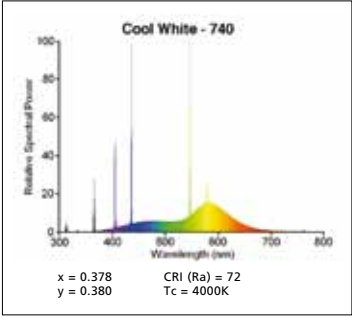
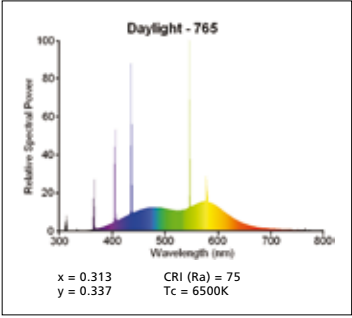
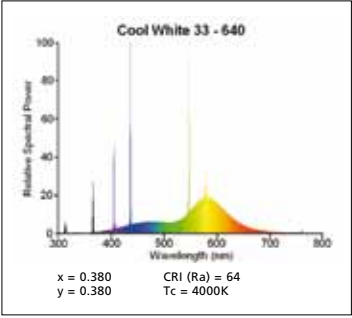
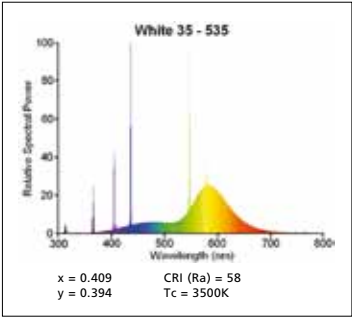
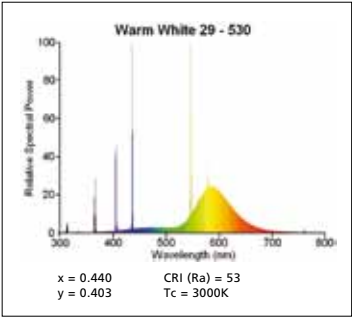
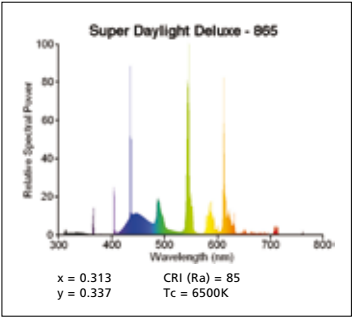
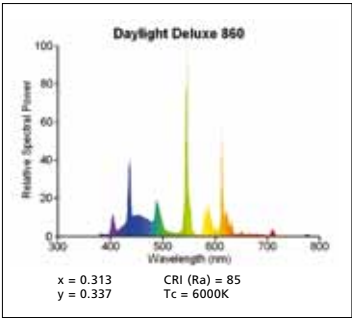
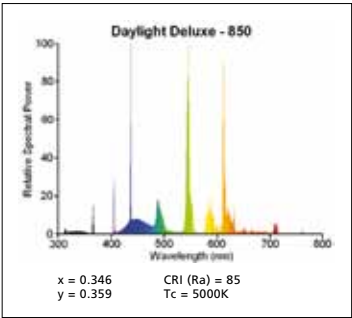
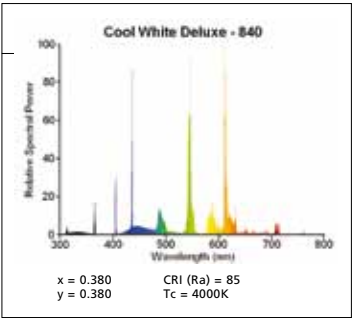
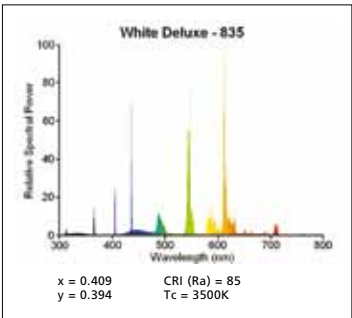
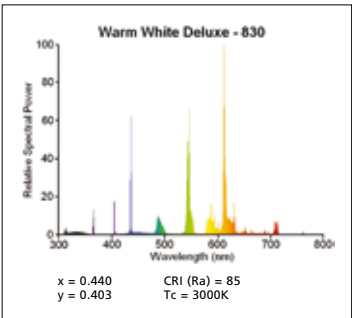
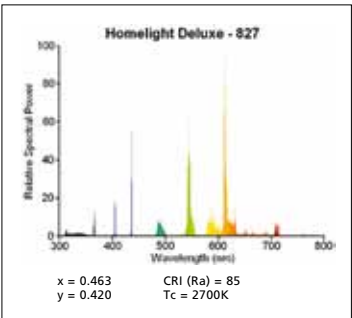


Life Expectancy: T5 Luxline Plus FHE/FHO triphosphor



FLUORESCENT TUBES

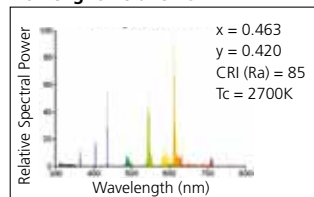
Spectral Power Distribution



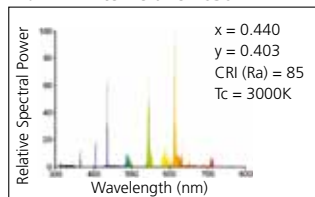
FLUORESCENT TUBES

Spectral Power Distribution

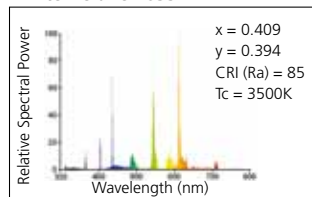
Homelight Deluxe - 827



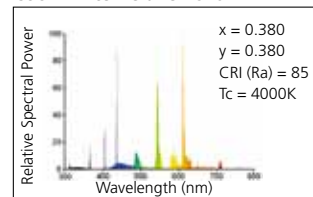
Warm White Deluxe - 830



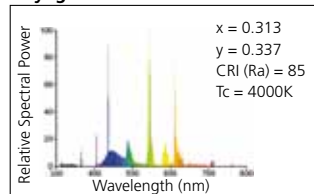
White Deluxe - 835



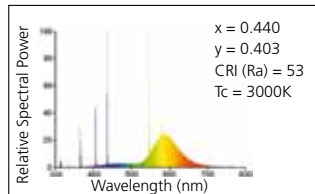
Cool White Deluxe - 840



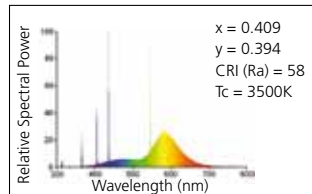
Daylight Deluxe - 865



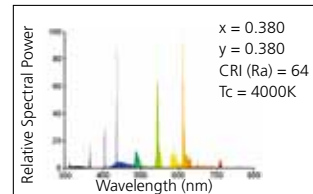
Warm White 29 - 530



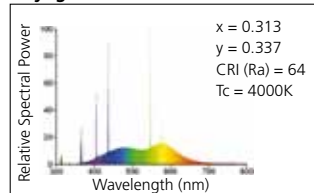
White 35 - 535



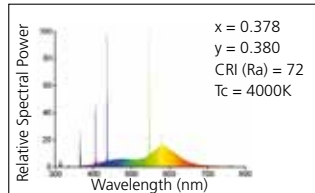
Cool White 33 - 640



Daylight 54 - 765



Universal White 25 - 740



Colour Rendering Index (CRI) Classification Groups

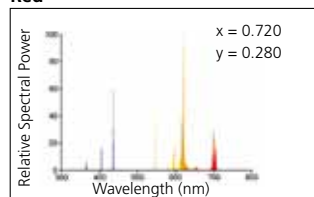
CRI Group	Ra(8) Values
Class 1A	90 - 100 Ra
Class 1B	80 - 89 Ra
Class 2A	70 - 79 Ra
Class 2B	60 - 69 Ra
Class 3	40 - 59 Ra
Class 4	20 - 39 Ra

	Sylvania	Osram	Philips	GE
Halo-phosphor	33-640	640	33-640	133
	29-530	530	29-530	129
	25-740	740	25-740	125
	35-535	535	35-535	135
	54-765	765	54-765	154
Tri-phosphor	840	840	840	840
	830	830	830	830
	827	827	827	827
	835	835	835	835
	860	860	860	860

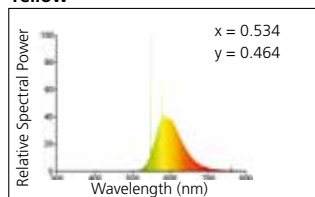
8 means CRI (Ra) > 80
colour description
27 means $T_c = 2700K$

33 is a reference to the old
name for these lamps '133',
no link to technical specifications
6 means CRI (Ra) > 60
40 means $T_c = 4000 K$

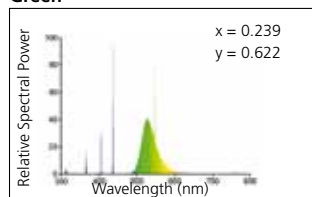
Red



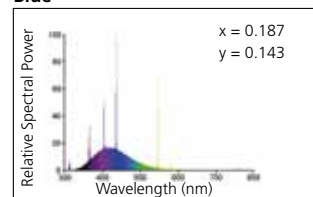
Yellow



Green



Blue



APPLICATION AND LAMP COLOURS

	COOL		INTERMEDIATE		WARM		SPECIAL				
	Activa 172	SDX 865	DX 850	CW 33-640	CWX 840	W 35-535	WWX 830	Homelight 827	Grolux	Aquastar	Super Colour 940
Department stores/Shops											
Grocery shops			▼		○		▼		▼		
Meat Counter					○		▼		▼		
Bakers/Patisseries					○		▼				
Boutiques					▼		▼				
Shoe Shops					▼		▼				
Furniture Stores			○				▼				
Books Shops/Record Stores		▼	▼		○		○				
Chemists & cosmetic shops	○	▼					○	○			
Florists	▼	○			○		▼		▼		▼
Pet shops/Aquaria/Terrariums	▼	○			○				▼	▼	
Hotels/Conference Centres											
Lobbies and Corridors					○		▼				
Dining Rooms							▼	▼			
Bedrooms							○	▼			
Conference Areas					○		▼				
Schools											
Sports Areas		▼	▼		▼						
Classrooms					▼		○				
Corridors			○		▼		○				
Restaurants							▼	▼			
Hospitals											
Wards					▼		▼				▼
General	▼				○		○				▼
Offices	○				▼		▼				
Industrial											
Workshops			○	○	▼	○					
Warehouses		▼	▼		▼						
Textiles and Printing	▼	▼			▼		○				▼
Plastics and Chemicals		▼		○	▼		▼				
Automobile industry	▼	▼			▼		○				▼
Laboratories	▼	▼			▼		▼				▼
Quality Inspection Depts	▼	○	○		○		○				▼
Domestic											
Living Room							○	▼			
Kitchens, Bathrooms							○	▼			
Plants, Fish Tanks	○			○			○		▼		

▼ = Recommended
○ = Alternative





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Email: sylvania@sla.net.au

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Fax: 07 3846 3689

Email: slaql@sla.net.au

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Garbutt Townsville QLD 4814

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Fax: 07 4725 1191

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Fax: 08 8941 2223

Email: slant@sla.net.au

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