

Fluorescent lamps

Fluorescent lamps

GE offers you the benefits of nearly 60 years' experience in the design and manufacture of fluorescent lamps.

Our comprehensive range of lamps continues to set new standards in light output, quality and efficiency and is available in a wide choice of lengths, wattages and colours.

Choose GE fluorescents for extra long lamp life, excellent lumen maintenance, improved colour performance and higher light output.



Fluorescent

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Fluorescent Lamps

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Fluorescent lamps range overview

Lumen value table

Wattage length mm Lamp	4	6	8	13	14	21	24	28	35	39	49	54	80	15	18	30	36-1M	36	38	58	70				
	150	225	300	525	549	849	549	1149	1449	849	1449	1149	1449	450	600	900	970	1200	1050	1500	1800				
	T5 16 mm Ø											T8 25 mm Ø													
Starcoat	827 Starcoat™											1350	2100	2000	2900	3650	3500	4900	5000	7000					
T5 Lamps	830 Starcoat™											1350	2100	2000	2900	3650	3500	4900	5000	7000					
	835 Starcoat™											1350	2100	2000	2900	3650	3500	4900	5000	7000					
	840 Starcoat™											1350	2100	2000	2900	3650	3500	4900	5000	7000					
	865 Starcoat™											1250	1950	1900	2700	3400	3330	4650	4750	6650					
Triphosphor	827 Polylox XLr™											1350	2450					3350		5200					
Polylox XLr	830 Polylox XLr™											1350	2450					3350		5200	6300				
Lamps	835 Polylox XLr™											1350						3350		5200	6300				
	840 Polylox XLr™											1350	2450					3350		5200	6300				
	860 Polylox XLr™											1300						3250		5000					
Cov-R-Guard	830 Polylox XLr™											1300						3250		5050	6100				
Shielded	835 Polylox XLr™											1300						3250		5050	6100				
Fluorescent	840 Polylox XLr™											1300						3250		5050	6100				
	860 Polylox XLr™											1250						3200							
Triphosphor	827 Polylox XL™											1350	2450					3350		5200					
Polylox XL	830 Polylox XL™											1350	2450	3100				3350	3300	5200	6300				
Lamps	835 Polylox XL™											1350						3350		5200	6300				
	840 Polylox XL™											1350	2450	3100				3350	3300	5200	6300				
	850 Polylox XL™											1300						3250							
	860 Polylox XL™											1300						3250		5000					
Triphosphor	827 Polylox											460 1000		1000											
Polylox	830 Polylox											1000													
	835 Polylox																								
	840 Polylox											460	1000												
Standard	29 Warm White		385 850		850 1150 2250		2850		4600 5550																
Halophosphate	35 White		150 260 400 850		850 1150 2175		2850 2850		4600 5550																
	25 Natural/Universal White				775 1100 2250		2600		4100																
	33 Cool white		150 260 380 800		850 1150 2175 2600		2850		4600 5450																
	54 Daylight				750 950 1850 1900		2350		3750																

Lumen value table

Wattage length mm Lamp	20	40	65	75	85	100	125	22	32	40	60	40			
	600	1200	1500	1800	2400	2400	2400	209.5	311.2	412.6	412.6	525			
	T12 38 mm Ø							Circline				Mod-u-line			
Starcoat	827 Starcoat™														
T5 Lamps	830 Starcoat™														
	835 Starcoat™														
	840 Starcoat™														
	850 Starcoat™														
	865 Starcoat™														
Triphosphor	827 Polylox XLr™														
Polylox XLr	830 Polylox XLr™														
Lamps	835 Polylox XLr™														
	840 Polylox XLr™														
	850 Polylox XLr™														
	860 Polylox XLr™														
Cov-R-Guard	830 Polylox XLr™														
Shielded	835 Polylox XLr™														
Fluorescent	840 Polylox XLr™														
Triphosphor	827 Polylox XL™														
Polylox XL	830 Polylox XL™														
Lamps	835 Polylox XL™														
	840 Polylox XL™														
	850 Polylox XL™														
	860 Polylox XL™														
Triphosphor	827 Polylox														
Polylox	830 Polylox							1450 3350 5300 6550 7900 9100 10550						3250	
	835 Polylox														
	840 Polylox							1450 3350 5300 6550 7900 9100							
Standard	29 Warm White		1150 2950 4750 5750		1050 1875 2800 3700		2875								
Halophosphate	35 White		1150 2950 4750 5750 7100 8300 9200		2875										
	25 Natural/Universal White		1050 2500 4000		1000 1825 2700										
	33 Cool white		1150 2950 4750 5700 8100 9100		875 1550 2500		2875								
	54 Daylight		950 2450 3900												

Fluorescent lamps

Fluorescent lamps

Fluorescent lamps range overview

Product Colour Performance Characteristics

Type	CIE Group	Ra Index Description	Ra Index	CCT K	GE ref	Ave. lm/W	Product Description	
Starcoat T5 Lamps	827 Starcoat™	1B	Good	85	2700	827	97	Very warm, similar to incandescent light. Gives a warm effect in restaurants, hotels etc.
	830 Starcoat™	1B	Good	85	2950	830	97	Warm, gives a welcoming effect. Used in restaurants, hotels, offices and supermarkets.
	835 Starcoat™	1B	Good	85	3400	835	97	Intermediate colour, used in general, commercial and industrial lighting. Creates cool atmosphere in commercial installations. Recommended for hospitals. Intermediate colour between 840 and 860.
	840 Starcoat™	1B	Good	85	4000	840	97	Recommended for hospital and warmer climates. Very cool. Popular in warmer climates.
	865 Starcoat™	1B	Good	85	6300	860	95	
Triphosphor Polylux XLr Lamps	827 Polylux XL/XLr™	1B	Good	85	2700	827	93	Very warm, similar to incandescent light. Gives a warm effect in restaurants, hotels etc.
	830 Polylux XL/XLr™	1B	Good	85	2950	830	93	Warm, gives a welcoming effect. Used in restaurants, hotels, offices and supermarkets.
	835 Polylux XL/XLr™	1B	Good	85	3400	835	93	Intermediate colour, used in general, commercial and industrial lighting.
	840 Polylux XL/XLr™	1B	Good	85	4000	840	93	Creates cool atmosphere in commercial installations. Recommended for hospitals.
	850 Polylux XL/XLr™	1B	Good	85	5000	850	90	Intermediate colour between 840 and 860. Recommended for hospital and warmer climates.
860 Polylux XL/XLr™	1B	Good	85	6300	860	90	Very cool. Popular in warmer climates.	
Cov-R-Guard Shielded Fluorescent	830 Cov-R-Guard Polylux XLr™	1B	Good	85	2950	830	93	Warm, gives a homely welcoming effect. Used in supermarkets, schools.
	835 Cov-R-Guard Polylux XLr™	1B	Good	85	3400	835	93	Intermediate colour, used in general, commercial and industrial lighting.
	840 Cov-R-Guard Polylux XLr™	1B	Good	85	4000	840	93	Creates cool atmosphere in commercial installations. Recommended for hospitals.
Triphosphor Polylux	827 Polylux	1B	Good	80+	2700	827	84	Very warm, similar to incandescent light. Gives a warm effect in restaurants, hotels etc.
	830 Polylux	1B	Good	80+	2950	830	84	Warm, gives a homely welcoming effect. Used in restaurants, hotels, offices and supermarkets.
	840 Polylux	1B	Good	80+	4000	840	84	Creates cool atmosphere in commercial installations. Recommended for hospitals.
Standard Halophosphate	29 Warm White	3	Low	51	2950	29	79	Warm, used in commercial or public buildings to create a "warm" atmosphere.
	35 White	3	Low	54	3450	35	79	Intermediate colour, standard colour for almost all applications.
	25 Natural/Universal White	2	Moderate	70	4050	25	72	Cool, used in offices and shops. Higher colour rendering, but less efficient than cool white.
	33 Cool white	3	Low	58	4000	33	79	Cool, used to create a cooler atmosphere in offices, factories and shops.
	54 Daylight	2	Moderate	76	6500	54	65	Very cool. Popular in warmer climates.
Special Colours	UV non-filter	-	NA	-	-	05	-	Small amount of visible light with long wave UV-A radiation emitted to attract insects into insect traps.
	Blacklight Blue	-	NA-	-	-	BLB	-	Only long wave UV produced. Used decoratively in discos as the UV makes white fabrics fluorescent.

Ave. lm/W = average initial lumens per watt (based on 36W, 1.2M tube or 40W, 1.2M tube for special colours and Polylux)
 Ra = colour rendering index (higher Ra's give better colour rendering, max. = 100) NA = not applicable

Special Colours are available in some sizes, please ask our sales department for more information.

Fluorescent lamps

T5 lamps

Product identification

The following glossary of terms and descriptions can help you when checking fluorescent lamp specifications and explains how to use the product codes when ordering products. Within each product line, lamps are divided into families - within families, lamps are listed by wattage.

Watts:
Energy used. To find actual energy used (kWh) multiply power (watts shown) x hours of use divided by 1000

Length:
Expressed in feet and mm

Lamp:
Lamp description followed by diameter (mm and inches)

Product Type:
Identifies the lamp type

Product Description:
Other important information like colour temperature

CCT K:
Colour temperature - Kelvin. The visual warmth or coolness of the light. The higher the number the whiter or cooler the light appears

Rated Average Life:
The point in time when 50% of all installed lamps are still burning

CRI Ra:
Colour rendering index, the higher the number (1-100) the more natural the lit subject appears

Product Code:
It is important to use this code when ordering to ensure that you receive the exact product you require

Pack Quantity:
The number of lamps in one box

Initial Lumens:
Light output after the initial 100 hours of operation

Starcoat™ T5 High Efficiency (HE)
Use on HF Electronic Ballast only. Available GE Electronic Ballasts are on page...

Watt	Length Ft	Length mm	Product Description	Product Type	CCT K	CRI Ra	Rated Average Life Hours	Initial lumens	Pack Qty	Product Code
T5 (Ø 16mm - 5/8")										
14	549		F14W/T5/827	STARCOAT/SL/1-30	2700	85	20000	1350	30	90230
			F14W/T5/830	STARCOAT/SL/1-30	3000	85	20000	1350	30	90239
			F14W/T5/835	STARCOAT/SL/1-30	3500	85	20000	1350	30	90246

F14W/T5/827

- Identifies lamp as fluorescent
- Identifies lamp wattage
- Identifies lamp type
- Colour temperature code **8 27**
- Colour rendering of between 80-89
- CCT nominal 2700 K

Efficiency with Elegance in Design



GE'S MOST efficient fluorescent SOLUTION... small size, big lumen output FOR Visual comfort High lumen in a small, lower package enabling visual comfort and performance for more productive office and retail environments.



GE STARCOAT™ T5 LAMP AND BALLAST: THE PERFECT MATCH
Optimal performance and known reliability whether new build or replacement.

Fluorescent lamps

T5 lamps

GE's most efficient fluorescent... small size, big lumen output

GE's smallest fluorescent lamp type, only 16mm in diameter, delivers the light of much larger wattage fluorescent systems. High lumens in a small, lower wattage package makes GE Starcoat™ T5 the most efficient GE fluorescent lamp available. And GE's exclusive proprietary Starcoat™ coating gives GE T5 lamps unrivalled colour rendering and lumen maintenance. A variety of linear fluorescent fixtures are available to take advantage of T5's unique features, offering unlimited design and application flexibility.

Efficiency

GE T5 Starcoat™ is small in size but offers you a variety of choices. With 9 wattages to choose from, you can either maximize your lumen output or your efficiency.

If you would like to maximise your lm/W then we recommend you choose from our:

High Efficiency range

With this solution you can get up to **104 lumens per watt**, this means **ongoing cost savings**.

Combined with an extremely long service life, this range of lamps is ideally suited to commercial and retail application in both direct and combined direct/indirect luminaires.

If you would like to **maximise your output**, then we recommend you choose from our:

High Output Lamps

With this solution you can get up to **7000 lumens** this means **improved system efficacy and reduced number of fittings**.

The extremely high surface illuminance of the High Output Starcoat™ T5 range makes these lamps ideal for indirect luminaires. These are the best suited to uplighting systems or direct lighting in high ceilings applications, such as those in canopies or industrial situations.

With elegance in design

Unlimited design flexibility

The 16mm diameter Starcoat™ T5 enables outstanding flexibility in luminaire design offering both elegance and improved efficiency

- Easy fitting of the T5 luminaires into the ceiling module system
- Smaller physical dimensions for improved light output control and smaller, more aesthetic fittings


Environmentally responsible design

GE's T5 lamps feature 38% less glass and phosphors than T8 lamps and that means reduced waste in landfills. The low 5mg mercury design of GE T5 Starcoat™ lamp is another plus for the environment. And with its high output design, you can reduce the number of lamps used for the same lumen output, further reducing environmental impact and providing added design flexibility.

Best colour coating technology

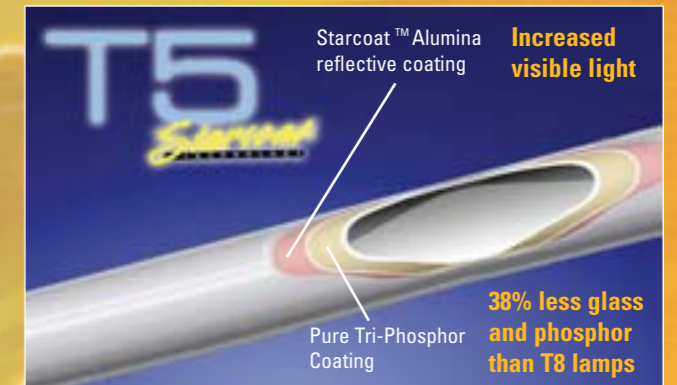
Our proprietary alumina pre-coat provides excellent CRI at 85 and 94% lumen maintenance at 40% rated life.

- T5 are 40% thinner than T8
- When compared to T8 systems, the T5 system (lamp, ballast and luminaire) consumes up to 30% less energy




Starcoat™ TECHNOLOGY

Starcoat™ is a proprietary coating technology that eliminates the need for traditional lower quality halophosphor coating by reflecting the UV-light more effectively. This leaves a pure triphosphor coating for excellent colour rendering and lumen maintenance performance.

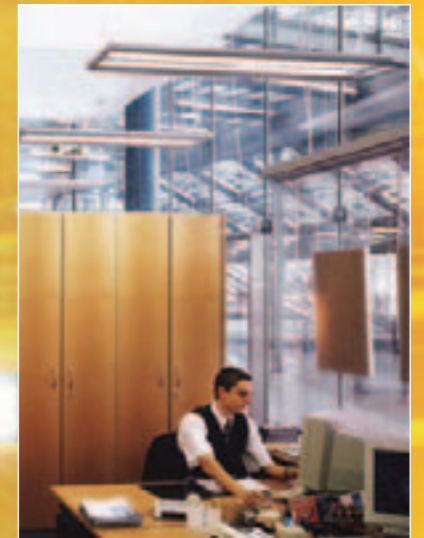


Broad ballast compatibility

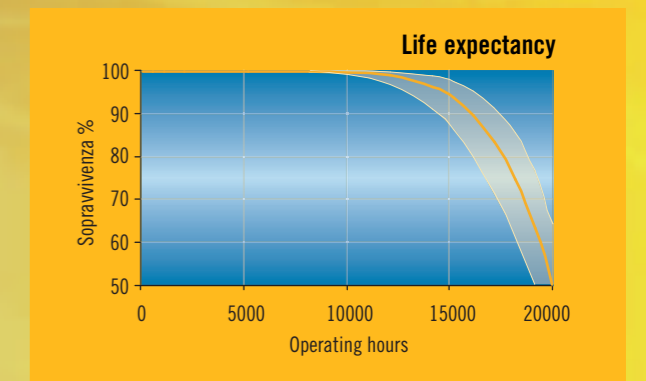
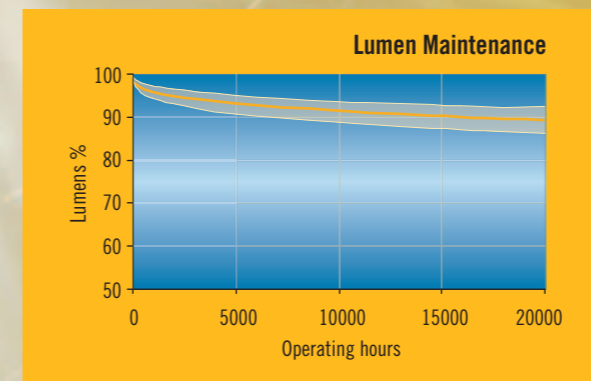
Rather than designing our lamps around one ballast, GE has maximised our performance on all major ballasts. GE Starcoat™ T5 is designed for HF operation which means: higher lamp efficacy and lower ballast losses than conventional ballasts.

Wide range of commercial and industrial applications

- Perfectly suits Retail, Office, Schools, Commercial, Industrial, Sport halls
- Optimum light output reached at 35°C within fittings



Controlled performance specifications



Fluorescent lamps


T5 lamps

Starcoat™ T5 High Efficiency (HE)

Use on HF Electronic Ballast only. Available GE Electronic Ballasts are on page 181.

Watt	Length Ft	Length mm	Product Description	Product Type	CCT K	CRI Ra	Rated Average Life Hours	Initial lumens	Pack Qty	EE Class	Product Code
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T5 (ø 16mm - 5/8")


	14	549	F14W/T5/827	STARCOAT/SL/1-30	2700	85	20000	1350	30	A	90230
			F14W/T5/830	STARCOAT/SL/1-30	3000	85	20000	1350	30	A	90239
			F14W/T5/835	STARCOAT/SL/1-30	3500	85	20000	1350	30	A	90246
			F14W/T5/840	STARCOAT/SL/1-30	4000	85	20000	1350	30	A	90247
			F14W/T5/865	STARCOAT/SL/1-30	6500	85	20000	1250	30	A	90244

	21	849	F21W/T5/830	STARCOAT/SL/1-30	3000	85	20000	2100	30	A	90248
			F21W/T5/835	STARCOAT/SL/1-30	3500	85	20000	2100	30	A	90249
			F21W/T5/840	STARCOAT/SL/1-30	4000	85	20000	2100	30	A	90250
			F21W/T5/865	STARCOAT/SL/1-30	6500	85	20000	1950	30	A	90251

	28	1149	F28W/T5/827	STARCOAT/SL/1-30	2700	85	20000	2900	30	A	90252
			F28W/T5/830	STARCOAT/SL/1-30	3000	85	20000	2900	30	A	90253
			F28W/T5/835	STARCOAT/SL/1-30	3500	85	20000	2900	30	A	90254
			F28W/T5/840	STARCOAT/SL/1-30	4000	85	20000	2900	30	A	90255
			F28W/T5/865	STARCOAT/SL/1-30	6500	85	20000	2700	30	A	90256

	35	1449	F35W/T5/827	STARCOAT/SL/1-30	2700	85	20000	3650	30	A	90257
			F35W/T5/830	STARCOAT/SL/1-30	3000	85	20000	3650	30	A	90258
			F35W/T5/835	STARCOAT/SL/1-30	3500	85	20000	3650	30	A	90259
			F35W/T5/840	STARCOAT/SL/1-30	4000	85	20000	3650	30	A	90260
			F35W/T5/865	STARCOAT/SL/1-30	6500	85	20000	3400	30	A	90261

INDUSTRIAL PACK

	14	549	F14W/T5/827	STARCOAT/ECO 40	2700	85	20000	1350	40	A	39965
			F14W/T5/830	STARCOAT/ECO 40	3000	85	20000	1350	40	A	39964
			F14W/T5/835	STARCOAT/ECO 40	3500	85	20000	1350	40	A	39961
			F14W/T5/840	STARCOAT/ECO 40	4000	85	20000	1350	40	A	39973
			F14W/T5/865	STARCOAT/ECO 40	6500	85	20000	1250	40	A	90222

	21	849	F21W/T5/830	STARCOAT/ECO 40	3000	85	20000	2100	40	A	39976
			F21W/T5/835	STARCOAT/ECO 40	3500	85	20000	2100	40	A	39977
			F21W/T5/840	STARCOAT/ECO 40	4000	85	20000	2100	40	A	39978
			F21W/T5/865	STARCOAT/ECO 40	6500	85	20000	1950	40	A	39979

	28	1149	F28W/T5/827	STARCOAT/ECO 40	2700	85	20000	2900	40	A	39980
			F28W/T5/830	STARCOAT/ECO 40	3000	85	20000	2900	40	A	39982
			F28W/T5/835	STARCOAT/ECO 40	3500	85	20000	2900	40	A	39983
			F28W/T5/840	STARCOAT/ECO 40	4000	85	20000	2900	40	A	39984
			F28W/T5/865	STARCOAT/ECO 40	6500	85	20000	2700	40	A	39985


	35	1449	F35W/T5/827	STARCOAT/ECO 40	2700	85	20000	3650	40	A	39986
			F35W/T5/830	STARCOAT/ECO 40	3000	85	20000	3650	40	A	39989
			F35W/T5/835	STARCOAT/ECO 40	3500	85	20000	3650	40	A	39990
			F35W/T5/840	STARCOAT/ECO 40	4000	85	20000	3650	40	A	39991
			F35W/T5/865	STARCOAT/ECO 40	6500	85	20000	3400	40	A	39992


Starcoat™ T5 High Output (HO)


Use on HF Electronic Ballast only. Available GE Electronic Ballasts are on page 181.


Watt	Length Ft	Length mm	Product Description	Product Type	CCT K	CRI Ra	Rated Average Life Hours	Initial lumens	Pack Qty	EE Class	Product Code
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T5 (ø 16mm - 5/8")

	24	549	F24W/T5/830	STARCOAT/SL/1-30	3000	85	20000	2000	30	A	90263
			F24W/T5/835	STARCOAT/SL/1-30	3500	85	20000	2000	30	A	90264
			F24W/T5/840	STARCOAT/SL/1-30	4000	85	20000	2000	30	A	90265
			F24W/T5/865	STARCOAT/SL/1-30	6500	85	20000	1900	30	A	90266


	39	849	F39W/T5/827	STARCOAT/SL/1-30	2700	85	20000	3500	30	A	90267
			F39W/T5/830	STARCOAT/SL/1-30	3000	85	20000	3500	30	A	90268
			F39W/T5/835	STARCOAT/SL/1-30	3500	85	20000	3500	30	A	90269
			F39W/T5/840	STARCOAT/SL/1-30	4000	85	20000	3500	30	A	90270
			F39W/T5/865	STARCOAT/SL/1-30	6500	85	20000	3330	30	A	90271


	49	1449	F49W/T5/827	STARCOAT/SL/1-30	2700	85	20000	4900	30	A	90277
			F49W/T5/830	STARCOAT/SL/1-30	3000	85	20000	4900	30	A	90278
			F49W/T5/835	STARCOAT/SL/1-30	3500	85	20000	4900	30	A	90279
			F49W/T5/840	STARCOAT/SL/1-30	4000	85	20000	4900	30	A	90280
			F49W/T5/865	STARCOAT/SL/1-30	6500	85	20000	4650	30	A	90281


	54	1149	F54W/T5/827	STARCOAT/SL/1-30	2700	85	20000	5000	30	A	90272
			F54W/T5/830	STARCOAT/SL/1-30	3000	85	20000	5000	30	A	90273
			F54W/T5/835	STARCOAT/SL/1-30	3500	85	20000	5000	30	A	90274
			F54W/T5/840	STARCOAT/SL/1-30	4000	85	20000	5000	30	A	90275
			F54W/T5/865	STARCOAT/SL/1-30	6500	85	20000	4750	30	A	90276


	80	1449	F80W/T5/827	STARCOAT/SL/1-30	2700	85	20000	7000	30	A	90282
			F80W/T5/830	STARCOAT/SL/1-30	3000	85	20000	7000	30	A	90283
			F80W/T5/840	STARCOAT/SL/1-30	4000	85	20000	7000	30	A	90285
			F80W/T5/865	STARCOAT/SL/1-30	6500	85	20000	6650	30	A	90286


INDUSTRIAL PACK

	24	549	F24W/T5/830	STARCOAT/ECO 40	3000	85	20000	2000	40	A	39998
			F24W/T5/835	STARCOAT/ECO 40	3500	85	20000	2000	40	A	90196
			F24W/T5/840	STARCOAT/ECO 40	4000	85	20000	2000	40	A	90197
			F24W/T5/865	STARCOAT/ECO 40	6500	85	20000	1900	40	A	90198

	39	849	F39W/T5/827	STARCOAT/ECO 40	2700	85	20000	3500	40	A	90200
			F39W/T5/830	STARCOAT/ECO 40	3000	85	20000	3500	40	A	90201
			F39W/T5/835	STARCOAT/ECO 40	3500	85	20000	3500	40	A	90202
			F39W/T5/840	STARCOAT/ECO 40	4000	85	20000	3500	40	A	90203
			F39W/T5/865	STARCOAT/ECO 40	6500	85	20000	3330	40	A	90204

	49	1449	F49W/T5/827	STARCOAT/ECO 40	2700	85	20000	4900	40	A	90220
			F49W/T5/830	STARCOAT/ECO 40	3000	85	20000	4900	40	A	90219
			F49W/T5/835	STARCOAT/ECO 40	3500	85	20000	4900	40	A	90221
			F49W/T5/840	STARCOAT/ECO 40	4000	85	20000	4900	40	A	90223
			F49W/T5/865	STARCOAT/ECO 40	6500	85	20000	4650	40	A	90224

	54	1149	F54W/T5/827	STARCOAT/ECO 40	2700	85	20000	5000	40	A	90205
			F54W/T5/830	STARCOAT/ECO 40	3000	85	20000	5000	40	A	90232
			F54W/T5/835	STARCOAT/ECO 40	3500	85	20000	5000	40	A	90206
			F54W/T5/840	STARCOAT/ECO 40	4000	85	20000	5000	40	A	90209
			F54W/T5/865	STARCOAT/ECO 40	6500	85	20000	4750	40	A	90211

	80	1449	F80W/T5/827	STARCOAT/ECO 40	2700	85	20000	7000	40	A	90225
			F80W/T5/830	STARCOAT/ECO 40	3000	85	20000	7000	40	A	90226
			F80W/T5/840	STARCOAT/ECO 40	4000	85	20000	7000	40	A	90228
			F80W/T5/865	STARCOAT/ECO 40	6500	85	20000	6650	40	A	90229

Fluorescent lamps

T8 lamps

T5 Miniature

Watt	Length Ft	Length mm	Product Description	Colour/Product Type	CCT K	CRI Ra	Rated Average Life Hours	Initial lumens	Pack Qty	EE Class	Product Code
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T5 (Ø 16mm - 5/8")
Standard Halophosphate

4	6in	150	F4W/33	Cool White	4000	58	5000	150	25	B	39441
			F4W/35	White	3450	54	5000	150	25	B	39446
6	9in	225	F6W/33	Cool White	4000	58	5000	260	25	B	39445
			F6W/35	White	3450	54	5000	260	25	B	39442
8	12in	300	F8W/29	Warm White	2950	51	5000	385	25	B	37754
			F8W/33	Cool White	4000	58	5000	380	25	B	37755
			F8W/33BP	Cool White	4000	58	5000	380	100	B	37001
			F8W/35	White	3450	54	5000	400	25	B	37756
			F8W/35BP	White	3450	54	5000	400	100	B	37006
13	21in	525	F13W/29	Warm White	2950	51	6000	850	25	B	12684
			F13W/33	Cool White	4000	58	6000	800	25	B	12693
			F13W/35	White	3450	54	6000	850	25	B	12694

Polylux

8	12in	300	F8W/827BP	Polylux 827	2700	80+	5000	460	100	B	37008
			F8W/840BP	Polylux 840	4000	80+	5000	460	100	B	37009
13	21in	525	F13W/827	Polylux 827	2700	80+	6000	1000	25	B	12701

T5 Blacklight Blue

Watt	Length Ft	Length mm	Product Description	Colour Type	CCT K	CRI Ra	Rated Average Life Hours	Initial lumens	Pack Qty	EE Class	Product Code
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T5 (Ø 16mm - 5/8")

4	6in	150	F4W/BLB	Blacklight Blue	-	-	5000	-	25	B	39882
6	9in	225	F6W/BLB	Blacklight Blue	-	-	5000	-	25	B	39883
8	12in	300	F8W/BLB	Blacklight Blue	-	-	5000	-	25	B	39884

GE Polylux XLR™ & XL™

For cost-efficiency, energy-saving and a better quality of light - switch on to Polylux XLR™ and Polylux XL™ lamps



Polylux XLR™ lamps

- Polylux XLR™ lamps have an average rated life of 20,000 hours on electronic gear and 15,000 hours on conventional gear.
- Polylux XLR™ lamps will be available in a range of wattages from 18W to 70W, and in a variety of colours from extra warm to daylight.

Polylux XL™ lamps

- Polylux XL™ lamps have an average rated life of 18,000 hour on electronic gear and 15,000 hours on conventional gear.
- Polylux XL™ lamps are available in a range of wattages from 18W to 70W.

For safer and more convenient disposal Polylux XLR™ lamps feature

- A mercury content of less than 5mg
- GE's unique *Take Care System™* re-usable packaging
- Plus a blue cap for easy identification of old and new lamps when replacing the tubes into the *Take Care System™* box.



Applications:
retail, office areas, commercial, industrial and sports halls.

Fluorescent lamps

T8 lamps



Polylux XLR™ lamps are the new longer – life environmentally – friendly featuring:

- Extra long life 20,000 hours*
- High performance, excellent colour rendering and superior lumen maintenance
- Re-usable Take Care System™ packaging
- Reduced mercury - less than 5mg
- Recyclable components

Long lasting excellent light

Polylux XLR™ and Polylux XL™

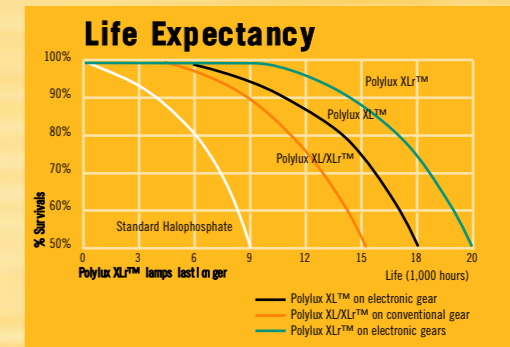
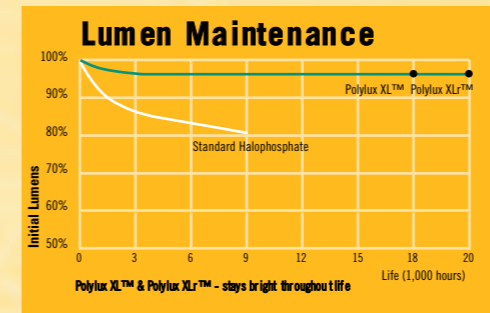
Superior Lumen Maintenance	Excellent Colour Performance
<ul style="list-style-type: none"> •95% through life •Consistently high light levels •More attractive and welcoming office and retail environments •Better energy utilisation 	<ul style="list-style-type: none"> •CRI Ra = 85 •People look more natural, flatters skin tones •Merchandise looks more attractive •Colours are more true to life

*15,000 hours life on conventional gear
Average rated life to 50% survival based on 3 hours switching cycle in accordance with International Standard IEC 60081/EN60081.

Polylux XLR™ & Polylux XL™ lamps will change the way you think about fluorescent lighting.

Lower cost of light

Polylux XLR™ & XL™ lamps can result in extended relamping cycles, which significantly reduce maintenance costs.



Excellent Colour Performance

With advanced triphosphor coating, Polylux XLR™ & Polylux XL™ lamps offer outstanding colour reproduction, making people look more natural and colours more vibrant and true.

Compared to standard halophosphate lamps, Polylux XLR™ & Polylux XL™ lamps provide more light for longer, ensuring brighter, more consistent light in a wide range of applications.



Fluorescent lamps

T8 lamps

T8 Polylux XLR™ - Reduced mercury and recyclable

Watt	Length Ft	Length mm	Product Description	Product Type	CCT K	CRI Ra	Rated Average Life Hours	Initial lumens	Pack Qty	EE Class	Product Code
T8 (ø26mm - 1")											
18	2ft	600	F18W/827	Polylux XLR 827	2700	85	15000	1350	25	A	93315
			F18W/830	Polylux XLR 830	2950	85	15000	1350	25	A	93319
			F18W/835	Polylux XLR 835	3400	85	15000	1350	25	A	93311
			F18W/840	Polylux XLR 840	4000	85	15000	1350	25	A	93317
			F18W/860	Polylux XLR 860	6500	85	15000	1300	25	A	12606
30	3ft	900	F30W/827	Polylux XLR 827	2700	85	15000	2450	25	A	18138
			F30W/830	Polylux XLR 830	2950	85	15000	2450	25	A	18141
			F30W/840	Polylux XLR 840	4000	85	15000	2450	25	A	18142
36	4ft	1200	F36W/827	Polylux XLR 827	2700	85	15000	3350	25	A	37554
			F36W/830	Polylux XLR 830	2950	85	15000	3350	25	A	37555
			F36W/835	Polylux XLR 835	3400	85	15000	3350	25	A	37614
			F36W/840	Polylux XLR 840	4000	85	15000	3350	25	A	37556
			F36W/860	Polylux XLR 860	6500	85	15000	3250	25	A	12942
58	5ft	1500	F58W/827	Polylux XLR 827	2700	85	15000	5200	25	A	37557
			F58W/830	Polylux XLR 830	2950	85	15000	5200	25	A	37558
			F58W/835	Polylux XLR 835	3400	85	15000	5200	25	A	37615
			F58W/840	Polylux XLR 840	4000	85	15000	5200	25	A	37559
			F58W/860	Polylux XLR 860	6500	85	15000	5000	25	A	12609
70	6ft	1800	F70W/830	Polylux XLR 830	2950	85	15000	6300	25	A	39450
			F70W/835	Polylux XLR 835	3400	85	15000	6300	25	A	39451
			F70W/840	Polylux XLR 840	4000	85	15000	6300	25	A	39452

Polylux XLR™ Rated Average Life on HF Electronic gear: 20000 hrs

T8 Polylux XL™

Watt	Length Ft	Length mm	Product Description	Product Type	CCT K	CRI Ra	Rated Average Life Hours	Initial lumens	Pack Qty	EE Class	Product Code
T8 (ø26mm - 1")											
18	2ft	600	F18W/827	Polylux XL 827	2700	85	15000	1350	25	A	93314
			F18W/830	Polylux XL 830	2950	85	15000	1350	25	A	93320
			F18W/835	Polylux XL 835	3400	85	15000	1350	25	A	93318
			F18W/840	Polylux XL 840	4000	85	15000	1350	25	A	93321
			F18W/850	Polylux XL 850	5000	85	15000	1300	25	A	93308
			F18W/860	Polylux XL 860	6300	85	15000	1300	25	A	93316
36	4ft	1200	F36W/827	Polylux XL 827	2700	85	15000	3350	25	A	39103
			F36W/830	Polylux XL 830	2950	85	15000	3350	25	A	39105
			F36W/835	Polylux XL 835	3400	85	15000	3350	25	A	39108
			F36W/840	Polylux XL 840	4000	85	15000	3350	25	A	39106
			F36W/850	Polylux XL 850	5000	85	15000	3250	25	A	35608
			F36W/860	Polylux XL 860	6300	85	15000	3250	25	A	34509
38	3.5ft	1050	F38W/830	Polylux XL 830	2950	85	15000	3300	25	A	92524
			F38W/840	Polylux XL 840	4000	85	15000	3300	25	A	92525
58	5ft	1500	F58W/827	Polylux XL 827	2700	85	15000	5200	25	A	35442
			F58W/830	Polylux XL 830	3250	85	15000	5200	25	A	35443
			F58W/835	Polylux XL 835	3400	85	15000	5200	25	A	35444
			F58W/840	Polylux XL 840	4000	85	15000	5200	25	A	35445
			F58W/860	Polylux XL 860	6300	85	15000	5000	25	A	34502
70	6ft	1800	F70W/830	Polylux XL 830	3250	85	15000	6300	25	A	35578
			F70W/835	Polylux XL 835	3400	85	15000	6300	25	A	35579
			F70W/840	Polylux XL 840	4000	85	15000	6300	25	A	35580

T8 Polylux

Watt	Length Ft	Length mm	Product Description	Product Type	CCT K	CRI Ra	Rated Average Life Hours	Initial lumens	Pack Qty	EE Class	Product Code
T8 (ø 26mm - 1")											
15	18in	450	F15W/827	Polylux 827	2700	80+	12000	1000	25	B	29591
			F15W/830	Polylux 830	2950	80+	12000	1000	25	B	29600
			F15W/840	Polylux 840	4000	80+	12000	1000	25	B	29603

Fluorescent lamps

T8 lamps

Don't let an accident cause an incident



- Complete shatter protection
- Quality protective sleeving
- Dependable UV- blocking
- Safety without sacrificing performance
- Cov-R-Guard™ lamps benefit from Polylux XLR™ triphosphor technology

- Long life
- Outstanding colour reproduction
- Excellent light output over life
- Reduced mercury content

Applications:
food processing, hospitals, supermarkets, schools, pharmaceutical, commercial kitchens, trains

Cov-R-Guard™ lamps

are wrapped in a casing of polycarbonate plastic that effectively contains glass fragments and phosphor if the lamp is broken. The casing allows for maximum protection with minimum light loss – keeping your installation bright and safe. Both the casing and the lamp are fully recyclable, once separated.



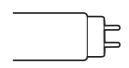
T8 Cov-R-Guard™ Polylux XLR™ - with Polycarbonate Shield

Watt	Length Ft	Length mm	Product Description	Product Type	CCT K	CRI Ra	Rated Average Life Hours	Initial lumens	Pack Qty	EE Class	Product Code
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T8 (∅ 26mm - 1")

18	2ft	600	F18W/830	CVG/XLR 830	2950	85	15000	1300	25	A	17203
			F18W/835	CVG/XLR 835	3400	85	15000	1300	25	A	17204
			F18W/840	CVG/XLR 840	4000	85	15000	1300	25	A	17205
			F18W/860	CVG/XLR 860	6500	85	15000	1250	25	A	93430
36	4ft	1200	F36W/830	CVG/XLR 830	2950	85	15000	3250	25	A	17208
			F36W/835	CVG/XLR 835	3400	85	15000	3250	25	A	17202
			F36W/840	CVG/XLR 840	4000	85	15000	3250	25	A	17209
			F36W/860	CVG/XLR 860	6500	85	15000	3200	25	A	93437
58	5ft	1500	F58W/830	CVG/XLR 830	2950	85	15000	5050	25	A	12403
			F58W/835	CVG/XLR 835	3400	85	15000	5050	25	A	12405
			F58W/840	CVG/XLR 840	4000	85	15000	5050	25	A	12407
70	6ft	1800	F70W/830	CVG/XLR 830	2950	85	15000	6100	25	A	12421
			F70W/835	CVG/XLR 835	3400	85	15000	6100	25	A	12423
			F70W/840	CVG/XLR 840	4000	85	15000	6100	25	A	12424

Polylux XLR™ Cov-R-Guard Rated Average Life on HF Electronic gear : 20000 hrs
Polylux XLR™ Rated Average Life on HF Electronic gear : 20000 hrs

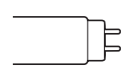


T8 Standard Halophosphate

Watt	Length Ft	Length mm	Product Description	Colour Type	CCT K	CRI Ra	Rated Average Life Hours	Initial lumens	Pack Qty	EE Class	Product Code
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T8 (∅ 26mm - 1")

15	18in	450	F15W/29	Warm White	2950	51	9000	850	25	B	29527
			F15W/35	White	3450	54	9000	850	25	B	29531
			F15W/25	Natural White	4050	70	9000	775	25	B	29533
			F15W/33	Cool White	4000	58	9000	850	25	B	29524
			F15W/54	Daylight	6500	76	9000	750	25	B	29534
			F15W/55	Northlight	6300	93	9000	550	25	B	29687
18	2ft	600	F18W/29	Warm White	2950	51	9000	1150	25	B	29546
			F18W/35	White	3450	54	9000	1150	25	B	37139
			F18W/33	Cool White	4000	58	9000	1150	25	B	35098
			F18W/25	Natural	4050	70	9000	1100	25	B	29548
			F18W/54	Daylight	6500	76	9000	950	25	B	34883
30	3ft	900	F30W/29	Warm White	2950	51	9000	2250	25	B	18145
			F30W/35	White	3450	54	9000	2175	25	B	18147
			F30W/33	Cool White	4000	58	9000	2175	25	B	18137
			F30W/54	Daylight	6500	76	9000	1850	25	B	18146
36	-	970	F36WM/33	Cool White	4000	58	9000	2600	25	B	92518
			F36WM/25	Natural	4050	70	9000	2250	25	B	92517
			F36WM/54	Daylight	6500	76	9000	1900	25	B	92519



Fluorescent lamps

T12 lamps

T8 Standard Halophosphate continued

Watt	Length Ft	Length mm	Product Description	Colour Type	CCT K	CRI Ra	Rated Average Life Hours	Initial lumens	Pack Qty	EE Class	Product Code
T8 (Ø 26mm - 1")											
36	4ft	1200	F36W/29	Warm White	2950	51	9000	2850	25	B	29565
			F36W/35	White	3450	54	9000	2850	25	B	37734
			F36W/33	Cool White	4000	58	9000	2850	25	B	35099
			F36W/54	Daylight	6500	76	9000	2350	25	B	34886
			F36W/25	Natural	4050	70	9000	2600	25	B	29568
38	3.5ft	1050	F38W/35	White	3450	54	9000	2850	25	B	92520
			F38W/36	Deluxe Natural	3500	92	9000	1750	25	B	29684
58	5ft	1500	F58W/29	Warm White	2950	51	9000	4600	25	B	29571/35354*
			F58W/35	White	3450	54	9000	4600	25	B	29575/37627*
			F58W/33	Cool White	4000	58	9000	4600	25	B	29570/35353*
			F58W/25	Natural	4050	70	9000	4100	25	B	29577
			F58W/54	Daylight	6500	76	9000	3750	25	B	29580/35355*
70	6ft	1800	F70W/29	Warm White	2950	51	9000	5550	25	B	29587
			F70W/35	White	3450	54	9000	5550	25	B	29589
			F70W/33	Cool White	4000	58	9000	5450	25	B	29586

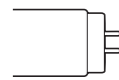
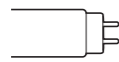
* Products for UK and Ireland market

T8 Special Colours

Watt	Length Ft	Length mm	Product Description	Product Type	CCT K	CRI Ra	Rated Average Life Hours	Initial lumens	Pack Qty	EE Class	Product Code
T8 (Ø 26mm - 1")											
15	18in	450	F15W/AR/FR	Fresh Aqua	5000	-	7500	400	10	B	16977
			F15W/AR/FS	Fresh & Salt Aqua	9000+	-	9000	700	10	B	16965
			F15W/AR/SA	Salt Water	9000+	-	7500	210	10	B	16987
			F15W/AR/REP	Reptile	6400	82	7500	400	10	B	17002
18	2ft	600	F18W/AR/FR	Fresh Aqua	5000	-	7500	600	10	B	16979
			F18W/AR/FS	Fresh & Salt Aqua	9000+	-	15000	950	10	B	16966
			F18W/AR/SA	Salt Water	9000+	-	7500	270	10	B	16988
			F18W/AR/REP	Reptile	6400	82	7500	550	10	B	17003
25	2.5ft	750	F25W/AR/FR	Fresh Aqua	5000	-	7500	805	10	B	16980
			F25W/AR/FS	Fresh & Salt Aqua	9000+	-	15000	1350	10	B	16968
			F25W/AR/SA	Salt Water	9000+	-	7500	430	10	B	16991
30	3ft	900	F30W/AR/FR	Fresh Aqua	5000	-	7500	1035	10	B	16981
			F30W/AR/FS	Fresh & Salt Aqua	9000+	-	15000	1700	10	B	16969
			F30W/AR/SA	Salt Water	9000+	-	7500	540	10	B	16992
			F30W/AR/REP	Reptile	6400	82	7500	1100	10	B	17004
36	4ft	1200	F36W/AR/FR	Fresh Aqua	5000	-	7500	1425	10	B	16982
			F36W/AR/FS	Fresh & Salt Aqua	9000+	-	15000	2350	10	B	16970
			F36W/AR/SA	Salt Water	9000+	-	7500	700	10	B	16995
			F36W/AR/REP	Reptile	6400	82	7500	1250	10	B	17006
38	3.5ft	1050	F38W/AR/FR	Fresh Aqua	5000	-	7500	1320	10	B	16984
			F38W/AR/FS	Fresh & Salt Aqua	9000+	-	15000	2200	10	B	16971
			F38W/AR/SA	Salt Water	9000+	-	7500	650	10	B	16999
58	5ft	1500	F58W/AR/FR	Fresh Aqua	5000	-	7500	2225	10	B	16985
			F58W/AR/FS	Fresh & Salt Aqua	9000+	-	15000	3750	10	B	16972
			F58W/AR/SA	Salt Water	9000+	-	7500	1100	10	B	17000

T12 Polylux

Watt	Length Ft	Length mm	Product Description	Product Type	CCT K	CRI Ra	Rated Average Life Hours	Initial lumens	Pack Qty	EE Class	Product Code
T12 (Ø 38mm - 1 1/2")											
20	2ft	600	F20W/830	Polylux 830	2950	80+	12000	1450	25	B	32659
			F20W/840	Polylux 840	4000	80+	12000	1450	25	B	29820
40	4ft	1200	F40W/830	Polylux 830	2950	80+	12000	3350	25	A	32647
			F40W/840	Polylux 840	4000	80+	12000	3350	25	A	10572
65	5ft	1500	F65W/830	Polylux 830	2950	80+	12000	5300	25	B	32655
			F65W/840	Polylux 840	4000	80+	12000	5300	25	B	29822
75	6ft	1800	F75W/830	Polylux 830	2950	80+	12000	6550	25	B	32656
			F75W/840	Polylux 840	4000	80+	12000	6550	25	B	29823
85	8ft	2400	F85W/830	Polylux 830	2950	80+	12000	7900	25	B	32696
			F85W/840	Polylux 840	4000	80+	12000	7900	25	B	30642
100	8ft	2400	F100W/830	Polylux 830	2950	80+	12000	9100	25	B	31265
			F100W/840	Polylux 840	4000	80+	12000	9100	25	B	31266
125	8ft	2400	F125W/830	Polylux 830	2950	80+	12000	10550	25	B	32658



Fluorescent lamps

T12 lamps

T12 Standard Halophosphate

Watt	Length Ft	Length mm	Product Description	Colour Type	CCT K	CRI Ra	Rated Average Life Hours	Initial lumens	Pack Qty	EE Class	Product Code
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T12 (Ø 38mm - 11½')

20	2ft	600	F20W/29	Warm White	2950	51	9000	1150	25	B	29747
			F20W/35	White	3450	54	9000	1150	25	B	29748
			F20W/33	Cool White	4000	58	9000	1150	25	B	29746
			F20W/54	Daylight	6500	76	9000	950	25	B	29750
			F20W/35/MS	White Metal Strip	3450	54	9000	1150	25	B	29752
			F20W/55	Northlight	6300	93	9000	700	25	B	29830
			F20W/38	Kolor-rite	4000	89	9000	800	25	B	29831
F20W/AD	Artificial Daylight	6500	92	9000	700	25	B	29835			

40	2ft	600	F40W2/35	White	3450	54	9000	1850	25	B	29762
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40	4ft	1200	F40W/29	Warm White	2950	51	9000	2950	25	B	29767
			F40W/35	White	3450	54	9000	2950	25	B	29769
			F40W/33	Cool White	4000	58	9000	2950	25	B	29765
			F40W/25	Natural White	4050	70	9000	2500	25	B	29770
			F40W/54	Daylight	6500	76	9000	2450	25	B	29771
			F40W/35/MS	White Metal Strip	3450	54	9000	2950	25	B	39955
			F40W/33/MS	Cool White Metal Strip	4000	58	9000	2950	25	B	39938
			F40W/55	Northlight	6300	93	9000	1900	25	B	29839
			F40W/38	Kolor-rite	4000	89	9000	2000	25	B	29840
F40W/AD	Artificial Daylight	6500	92	9000	1750	25	B	29843			

65	5ft	1500	F65W/29	Warm White	2950	51	9000	4750	25	B	29780
			F65W/35	White	3450	54	9000	4750	25	B	91314
			F65W/33	Cool White	4000	58	9000	4750	25	B	36434
			F65W/25	Natural	4050	70	9000	4000	25	B	29783
			F65W/54	Daylight	6500	76	9000	3900	25	B	91313
			F65W/35/MS	White Metal Strip	3450	54	9000	4750	25	B	39934
			F65W/38	Kolor-rite	4000	89	9000	3300	25	B	29848
			F65W/AD	Artificial Daylight	6500	92	9000	2950	25	B	29850

75	6ft	1800	F75W/29	Warm White	2950	51	9000	5750	25	B	29794
			F75W/35	White	3450	54	9000	5750	25	B	29795
			F75W/33	Cool White	4000	58	9000	5700	25	B	29792
			F75W/55	Northlight	6300	93	9000	3700	25	B	29855
			F75W/38	Kolor-rite	4000	89	9000	3900	25	B	29856
F75W/AD	Artificial Daylight	6500	92	9000	3300	25	B	29859			

85	8ft	2400	F85W/35	White	3450	54	9000	7100	25	B	31244
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100	8ft	2400	F100W/35	White	3450	54	9000	8300	25	B	31246
			F100W/33	Cool White	4000	58	9000	8100	25	B	31260
			F100W/55	Northlight	6300	93	9000	5500	25	B	31245
			F100W/36	Deluxe Natural	3500	92	9000	4900	25	B	31252

125	8ft	2400	F125W/35	White	3450	54	9000	9200	25	B	31247
			F125W/33	Cool White	4000	58	9000	9100	25	B	31248
			F125W/55	Northlight	6300	93	9000	6000	25	B	31255
			F125W/54	Daylight	6500	76	9000	7700	25	B	31268

T12 Rapid Start

T12 (Ø 38mm - 11½')

20	2ft	600	F20W/33/IRS/RS	Cool White	4000	58	9000	1150	25	B	39929
			F20W/54/IRS/RS	Daylight	6500	76	9000	950	25	B	39945

40	4ft	1200	F40W/29/RS	Warm White	2950	51	9000	2950	25	B	29776
			F40W/33RS	Cool White	4000	58	9000	2950	25	B	29775
			F40W/54/RS	Daylight	6500	76	9000	2450	25	B	93372
			F40W/33/IRS/RS	Cool White	4000	58	9000	2950	25	B	39943
			F40W/54/IRS/RS	Daylight	6500	76	9000	2450	25	B	39944

65	5ft	1500	F65W/33/RS	Cool White	4000	58	9000	4750	25	B	29791
			F65W/33/IRS/RS	Cool White	4000	58	9000	4750	25	B	39941

T12 Blacklight Blue

Watt	Length Ft	Length mm	Product Description	Colour Type	CCT K	CRI Ra	Rated Average Life Hours	Initial lumens	Pack Qty	EE Class	Product Code
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T12 (Ø 38mm - 11½')

20		600	F20W/BLB	Blacklight Blue	-	-	9000	-	6	-	34747
40		1200	F40W/BLB	Blacklight Blue	-	-	20000	-	6	-	25618

T12 HO and VHO

T12 (Ø 38mm - 11½')

110	96in	2400	F96T12/CW/HO	Cool White	4100	60	12000	8900	15	-	12540
215	96in	2400	F96T12/CW/1500	Cool White	4100	60	10000	13500	15	-	13781

T12 Slimline™

T12 (Ø 38mm - 11½')

75	96in	2400	F96T12/CW	Cool White	4150	60	12000	6150	15	-	25619
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T17 Power Groove® Rapid Start

T17 (Ø 54mm - 21½')

215	96in	2400	F96PG17/CW	Cool White	4150	60	10000	14000	8	-	11009
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Circline™

Watt	Length Ft	Length mm	Product Description	Colour Type	CCT K	CRI Ra	Rated Average Life Hours	Initial lumens	Pack Qty	EE Class	Product Code
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T9 (Ø 34.1mm - 11½')

22	209.5		FC8T9/D	Daylight	6250	75	9000	875	12	B	92296
			FC8T9/CW	Cool White	4150	58	9000	1000	12	B	92295

32	311.2		FC12T9/CW	Cool White	4150	62	9000	1825	12	B	92297
			FC12T9/D	Daylight	6250	75	9000	1550	12	B	92298

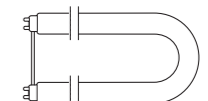
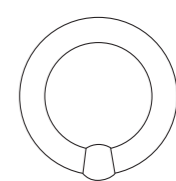
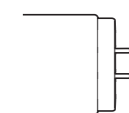
40	412.6		FC16T9/WW	Warm White	3000	51	12000	2800	12	B	35275
			FC16T9/CW	Cool White	4150	62	12000	2700	12	B	35276
			FC16T9/D	Daylight	6250	75	12000	2500	12	B	35278

60	412.6		FC1660/WW	Warm White	3000	51	12000	3700	12	B	29886
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Mod-U-Line™

T8 (Ø 38mm - 11½')

40	525		F40UT8/835	Polylux 835	3400	80+	7500	3250	20	A	29904
			F40UT8/29	Warm White	3000	57	7500	2875	20	B	29888
			F40UT8/35	White	3450	54	7500	2875	20	B	29891
			F40UT8/33	Cool White	4200	58	7500	2875	20	B	29892



Fluorescent lamps

General information

Starters



Order Code	Product Description	Pack Qty	Product Code
155/200	15/22W 110V single or 220/240V twin	250 (10 x 25)	36711
155/200		2000	36714
155/500	4/65W universal 220/240V	250 (10 x 25)	36536
155/500		2000	36537
155/800	75/125W 240V	250 (10 x 25)	37864
155/800		2000	37729
155/801	70/100W 240V	250 (10 x 25)	37975
155/801		2000	37974

Brand cross-reference

GE Product Description	Osram	Philips	SLI
Starcoat™ T5	Lumilux Plus FH & FQ	TL5 Super 80	T5 Miniature Lamps
827	-	827	827
830	830	830	830
835	-	835	835
840	840	840	840
865	-	865	865
Polylux XLR™	Lumilux Plus Eco	TLD Super 80 New Generation	
827	41/827	827	-
830	31/830	830	-
835	-	-	-
840	21/840	840	-
Cov-R-Guard™	Splinter Protection	TLD SECURA	Shatter Proof Sleeves
830	-	830	827
835	-	-	830
840	840	840	840
Polylux XL™	Lumilux Plus	TLD Super 80 New Generation	Luxline Plus
827	41/827	827	827
830	31/830	830	830
835	26/835	-	835
840	21/840	840	840
860	11/860	865	860
Polylux De Luxe	Lumilux De Lux	Super 90	Luxline
930	32/930	930	193
940	22/940	940	194
Standard	Lumilux De Lux	Super 90	Luxline
25 Natural/Universal White	25	25	125
29 Warm White	30	29	129
35 White	23	35	135
33 Cool White	20	33	133
54 Daylight	10	54	154
Circline™	Circular Fluorescent	TLE	Circular Fluorescent
Mod-U-Line™	-	-	-

This table shows GE and alternative brand order codes. These cross references are provided as a quick reference and may only represent a near equivalent to other brands. The table contains data from alternative brands' catalogues.

Fluorescent lamps

Fluorescent lamps provide a much more dispersed light than 'point' sources such as incandescent, halogen or discharge lamps. This quality, along with their outstanding energy efficiency, make them ideally suited for lighting large open areas such as offices and industrial buildings.

Standard fluorescent lamps use halophosphate lamp coatings. These lamps are used where low initial cost is the most important factor. However, higher performance lamps using triphosphor coatings, such as GE's Polylux XL™ lamps, are now increasingly being used as they provide significant energy savings.

The effects of switching on+off

Frequent switching on+off of fluorescent lamps can reduce their operational life. The graph, Fig 1 below, shows the effect on a lamp's life of different switching cycles.

Although a lamp that is only switched on and off rarely will last longer, light output does fall in the latter stage of a lamp's life.

The effects of temperature change

Fluorescent lamps are designed to produce their optimum light output at an ambient temperature of 25°C. However, when installed in a lamp fitting, the temperature of the air

surrounding a lamp can change and affect the light output of the lamp. The effects of changes in ambient temperature for a typical lamp are shown in the graph, Fig 2 below.

Using electronic ballasts

The efficiency of fluorescent lamps can be improved by increasing the frequency of the mains voltage supplied to them. Electronic ballasts and controls can be used to increase the normal mains frequency of 50/60Hz to 25/30KHz improving lamp efficiency by approximately 10%. Electronic ballasts also consume less power than conventional ballasts and when combined with other efficiency benefits, electronic ballasts can achieve power savings of around 20% compared to conventional 50/60Hz systems with the same light output levels.

Light-output data

The lumen output figures quoted are measured at 25°C in accordance with EN60081 and EN60901.

Caution notice

Handle and install all fluorescent lamps with care. Turn off power before installing lamps.

