

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.

Low operating costs, energy efficiency and long life make fluorescent tubes the preferred lighting option for many office and commercial interiors



Fluorescent

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Fluorescent lamps range overview

Lumen Value Table

| | Lamp watts length mm | T5 16 mm Ø | | | | T8 26 mm Ø | | | | | |
|--------------------------------------|----------------------------|------------|-----|-----|-----|------------|------|------|-------|------|------|
| | | 4 | 6 | 8 | 13 | 15 | 18 | 30 | 36-1M | 36 | 38 |
| Triphosphor Polylux XLR™ Lamps | 827 Polylux XLR | | | | | | 1350 | | | 3350 | |
| | 830 Polylux XLR | | | | | | 1350 | | | 3350 | |
| | 835 Polylux XLR | | | | | | 1350 | | | 3350 | |
| | 860 Polylux XLR | | | | | | 1350 | | | 3350 | |
| Triphosphor Polylux XL™ Lamps | 827 Polylux XL | | | | | 1000 | 1350 | 2450 | | 3350 | |
| | 830 Polylux XL | | | | | 1000 | 1350 | 2450 | 3100 | 3350 | 3300 |
| | 835 Polylux XL | | | | | | 1350 | | | 3350 | |
| | 840 Polylux XL | | | | | 1000 | 1350 | 2450 | 3100 | 3350 | 3300 |
| | 860 Polylux XL | | | | | | 1300 | | | 3250 | |
| Triphosphor Polylux | 827 Polylux | | | | | 1000 | | | | | |
| | 830 Polylux | | | | | 1000 | | | | | |
| | 835 Polylux | | | | | | | | | | |
| | 840 Polylux | | | 460 | | 1000 | | | | | |
| 5 Band Phosphor | 930 Polylux Deluxe | | | | | | 1000 | | | 2350 | |
| | 940 Polylux Deluxe | | | | | | 1000 | | | 2350 | |
| Standard Halophosphate | Warm White | 150 | 300 | 400 | 850 | 850 | 1150 | 2300 | | 2850 | |
| | White | 150 | 300 | 400 | 850 | 850 | 1150 | 2300 | | 2850 | 3050 |
| | Natural/Universal White | | | | | | 1100 | | 2400 | 2600 | |
| | Cool White | 150 | 290 | 380 | 800 | 850 | 1150 | 2250 | 2650 | 2850 | |
| | Daylight | | | | | 750 | 950 | 1800 | 2200 | 2350 | |

Product Colour Performance Characteristics

| | Type | CIE Group | Ra Index Description | Ra Index | Chromaticity Co-ordinates | | CCT °K | GE ref. | Ave Lm/W |
|---|---------------------------|--------------|-------------------------|-------------|------------------------------|-------|-----------|------------|-------------|
| | | | | | X | Y | | | |
| Triphosphor Polylux XL/XLR™ Lamps | 827 Polylux XL/XLR | 1B | Good | 85 | 0.463 | 0.420 | 2700 | 827 | 93 |
| | 830 Polylux XL/XLR | 1B | Good | 85 | 0.440 | 0.402 | 2950 | 830 | 93 |
| | 835 Polylux XL/XLR | 1B | Good | 85 | 0.415 | 0.402 | 3400 | 835 | 93 |
| | 840 Polylux XL/XLR | 1B | Good | 85 | 0.380 | 0.377 | 4000 | 840 | 93 |
| | 860 Polylux XL/XLR | 1B | Good | 85 | 0.316 | 0.336 | 6300 | 860 | 90 |
| Triphosphor Polylux | 827 Polylux | 1B | Good | 80+ | 0.463 | 0.420 | 2700 | 827 | 84 |
| | 830 Polylux | 1B | Good | 80+ | 0.440 | 0.402 | 2950 | 830 | 84 |
| | 835 Polylux | 1B | Good | 80+ | 0.415 | 0.402 | 3400 | 835 | 84 |
| | 840 Polylux | 1B | Good | 80+ | 0.380 | 0.377 | 4000 | 840 | 84 |
| 5 Band Phosphor | 930 Polylux Deluxe | 1A | Excellent | 95 | 0.435 | 0.401 | 3000 | 930 | 65 |
| | 940 Polylux Deluxe | 1A | Excellent | 95 | 0.387 | 0.371 | 4000 | 940 | 65 |
| Standard Halophosphate | Warm White | 3 | Poor | 51 | 0.440 | 0.403 | 2950 | 29 | 79 |
| | White | 3 | Poor | 54 | 0.409 | 0.394 | 3450 | 35 | 79 |
| | Natural/Universal White | 2 | Moderate | 73 | 0.377 | 0.374 | 4050 | 25 | 72 |
| | Cool White | 3 | Poor | 58 | 0.380 | 0.380 | 4000 | 33 | 79 |
| | Daylight | 2 | Moderate | 76 | 0.313 | 0.337 | 6500 | 54 | 65 |
| Special Colours | Deluxe Natural | 1A | Excellent | 92 | 0.393 | 0.356 | 3500 | 36 | 46 |
| | Kolor-rite | 1B | Good | 89 | 0.380 | 0.377 | 4000 | 38 | 50 |
| | Artificial Daylight | 1A | Excellent | 92 | 0.313 | 0.329 | 6500 | AD | 44 |
| | Northlight | 1A | Excellent | 93 | 0.317 | 0.324 | 6300 | 55 | 50 |
| | UV non-filter | – | NA | – | 0.222 | 0.244 | – | 05 | – |
| | Blacklight Blue | – | NA | – | – | – | – | BLB | – |

Av e 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

| | | T12 38mm Ø | | | | | | | Mod-U-Line™ | | Circline™ | | | |
|------|------|------------|------|------|------|------|------|-------|-------------|------|-----------|-------|-------|-------|
| 58 | 70 | 20 | 40 | 65 | 75 | 85 | 100 | 125 | 20 | 40 | 22 | 32 | 40 | 60 |
| 1500 | 1800 | 600 | 1200 | 1500 | 1800 | 2400 | 2400 | 2400 | 265 | 525 | 209.5 | 311.2 | 412.6 | 412.6 |
| 5200 | | | | | | | | | | | | | | |
| 5200 | | | | | | | | | | | | | | |
| 5200 | | | | | | | | | | | | | | |
| 5200 | | | | | | | | | | | | | | |
| 5200 | | | | | | | | | | | | | | |
| 5200 | 6300 | | | | | | | | | | | | | |
| 5200 | 6300 | | | | | | | | | | | | | |
| 5200 | 6300 | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | 1450 | 3350 | 5300 | 6550 | 7900 | 9100 | 10550 | | | | | | |
| | | | | | | | | | | 3250 | | | | |
| | | 1450 | 3350 | 5300 | 6550 | 7900 | 9100 | | | | | | | |
| | | | | | | | | | | | | | | |
| 3750 | | | | | | | | | | | | | | |
| 3750 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 4600 | 5550 | 1150 | 2950 | 4750 | 5750 | | | | | 2875 | 1050 | 1875 | 2800 | 3700 |
| 4600 | 5550 | 1150 | 2950 | 4750 | 5750 | 7100 | 8300 | 9200 | | 2875 | | | | |
| 4100 | | 1050 | 2500 | 4000 | 4650 | | | | | | | | | |
| 4600 | 5450 | 1150 | 2950 | 4750 | 5700 | | 8100 | 9100 | | 2875 | 1000 | 1825 | 2700 | |
| 3750 | | 950 | 2450 | 3900 | | | | | | | 875 | 1550 | 2500 | |

Description

Very warm, similar to incandescent light. Gives a warm effect in restaurants, hotels etc.

Warm, gives a homely welcoming effect. Used in restaurants, hotels, offices and supermarkets.

Intermediate colour, used in general, commercial and industrial lighting.

Creates cool atmosphere in commercial installations. Recommended for hospitals.

Very cool. Popular in warmer climates.

Very warm, similar to incandescent light. Gives a warm effect in restaurants, hotels etc.

Warm, gives a homely welcoming effect. Used in restaurants, hotels, offices and supermarkets.

Intermediate colour, used in general, commercial and industrial lighting.

Creates cool atmosphere in commercial installations. Recommended for hospitals.

Creates warm effect while giving excellent colour rendering for colour matching and reproduction work.

Creates cool effect while giving excellent colour rendering for colour matching and reproduction work.

Warm, used in commercial or public buildings to create a "warm" atmosphere.

Intermediate colour, standard colour for almost all applications.

Cool, used in offices and shops. Higher colour rendering, but less efficient than cool white.

Cool, used to create a cooler atmosphere in offices, factories and shops.

Very cool. Popular in warmer climates.

Intermediate colour, used for food displays in shops and supermarkets. Also used in florists.

Cool, used for sunlight effect in medical applications.

Wide spectrum output (including UV). Used for colour work in shops, printing, labs etc.

Cool wintry effect, similar to artificial daylight. Used in jewellers, furriers and colour work.

Small amount of visible light with long wave UV-A radiation emitted to attract insects into insect traps.

Only long wave UV produced. Used decoratively in disco's as the UV makes white fabrics fluoresce.

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

Product identification

The following glossary of terms and descriptions can help you when checking fluorescent lamp specifications and explains how to use the order 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 time divided by 1000

Order Code:
The lamp's identification code

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

Length:
Expressed in feet and mm

Product Description:
Other important information like colour temperature

Pack Quantity:
The number of lamps in one box

Energy Efficiency Class:
Energy saving code

Polylux XL™

| Watts | Length Feet | Length mm | Order Code | Product Description | CCT °K | CRI Ra | Rated Average Life Hours | Initial Lumens | Pack Qty | Energy Efficiency Class | Product Code |
|-------------------------------------|-------------|-----------|------------|-----------------------|--------|--------|--------------------------|----------------|----------|-------------------------|--------------|
| T8 Triphosphor (Ø 26mm - 1") | | | | | | | | | | | |
| 36 | 4ft | 1200 | F36W/827 | Polylux XL 827 | 2700 | 85 | 15000 | 3350 | 25 | A | 35431 |
| | | | F36W/830 | Polylux XL 830 | 2950 | 85 | 15000 | 3350 | 25 | A | 35437 |
| | | | F36W/835 | Polylux XL 835 | 3400 | 85 | 15000 | 3350 | 25 | A | 35438 |
| | | | F36W/840 | Polylux XL 840 | 4000 | 85 | 15000 | 3350 | 25 | A | 35440 |
| | | | F36W/860 | Polylux XL 860 | 6300 | 85 | 15000 | 3250 | 25 | A | 34509 |

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

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

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

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

F36W/860

Identifies lamp as fluorescent

Colour temperature code **8 60**

Identifies lamp wattage

Colour rendering of between 80-89

CCT nominal 6000°K

Fluorescent

Polylux XLR™ - New reduced mercury and recyclable

| Watts | Length Feet | Length mm | Order Code | Product Description | CCT °K | CRI Ra | Rated | | Pack Qty | Energy | | Product Code |
|-------------------------------------|----------------|--------------|---------------------|------------------------|--------|--------|-----------------------|-------------------|-------------|---------------------|--------------|-----------------|
| | | | | | | | Average Life Hours | Initial Lumens | | Efficiency Class | | |
| T8 Triphosphor (Ø 26mm - 1") | | | | | | | | | | | | |
| 18 | 2ft | 600 | F18W/827/XLR | Polylux XLR 827 | 2700 | 85 | 15000 | 1350 | 25 | A | 37551 | |
| | | | F18W/830/XLR | Polylux XLR 830 | 2950 | 85 | 15000 | 1350 | 25 | A | 37552 | |
| | | | F18W/835/XLR | Polylux XLR 835 | 3400 | 85 | 15000 | 1350 | 25 | A | 37613 | |
| | | | F18W/840/XLR | Polylux XLR 840 | 4000 | 85 | 15000 | 1350 | 25 | A | 37553 | |
| 36 | 4ft | 1200 | F36W/827/XLR | Polylux XLR 827 | 2700 | 85 | 15000 | 3350 | 25 | A | 37554 | |
| | | | F36W/830/XLR | Polylux XLR 830 | 2950 | 85 | 15000 | 3350 | 25 | A | 37555 | |
| | | | F36W/835/XLR | Polylux XLR 835 | 3400 | 85 | 15000 | 3350 | 25 | A | 37614 | |
| | | | F36W/840/XLR | Polylux XLR 840 | 4000 | 85 | 15000 | 3350 | 25 | A | 37556 | |
| 58 | 5ft | 1500 | F58W/827/XLR | Polylux XLR 827 | 2700 | 85 | 15000 | 5200 | 25 | A | 37557 | |
| | | | F58W/830/XLR | Polylux XLR 830 | 2950 | 85 | 15000 | 5200 | 25 | A | 37558 | |
| | | | F58W/835/XLR | Polylux XLR 835 | 3400 | 85 | 15000 | 5200 | 25 | A | 37615 | |
| | | | F58W/840/XLR | Polylux XLR 840 | 4000 | 85 | 15000 | 5200 | 25 | A | 37559 | |

Polylux XLR rated average life hours on HF Electronic Gear is 20,000 Hours

Polylux XL™

| Watts | Length Feet | Length mm | Order Code | Product Description | CCT °K | CRI Ra | Rated | | Pack Qty | Energy | | Product Code |
|-------------------------------------|----------------|--------------|------------------|------------------------|--------|--------|-----------------------|-------------------|-------------|---------------------|--------------|-----------------|
| | | | | | | | Average Life Hours | Initial Lumens | | Efficiency Class | | |
| T8 Triphosphor (Ø 26mm - 1") | | | | | | | | | | | | |
| 18 | 2ft | 600 | F18W/827 | Polylux XL 827 | 2700 | 85 | 15000 | 1350 | 25 | A | 35426 | |
| | | | F18W/830 | Polylux XL 830 | 2950 | 85 | 15000 | 1350 | 25 | A | 35427 | |
| | | | F18W/835 | Polylux XL 835 | 3400 | 85 | 15000 | 1350 | 25 | A | 35428 | |
| | | | F18W/840 | Polylux XL 840 | 4000 | 85 | 15000 | 1350 | 25 | A | 35429 | |
| | | | F18W/860 | Polylux XL 860 | 6300 | 85 | 15000 | 1300 | 25 | A | 34492 | |
| 36 | 4ft | 1200 | F36W/827 | Polylux XL 827 | 2700 | 85 | 15000 | 3350 | 25 | A | 35431 | |
| | | | F36W/830 | Polylux XL 830 | 2950 | 85 | 15000 | 3350 | 25 | A | 35437 | |
| | | | F36W/835 | Polylux XL 835 | 3400 | 85 | 15000 | 3350 | 25 | A | 35438 | |
| | | | F36W/840 | Polylux XL 840 | 4000 | 85 | 15000 | 3350 | 25 | A | 35440 | |
| | | | F36W/860 | Polylux XL 860 | 6300 | 85 | 15000 | 3250 | 25 | A | 34509 | |
| 58 | 5ft | 1500 | F58W/827 | Polylux XL 827 | 2700 | 85 | 15000 | 5200 | 25 | A | 35442 | |
| | | | F58W/830 | Polylux XL 830 | 2950 | 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 | |
| 30 | 3ft | 900 | F30W/827 | Polylux XL 827 | 2700 | 85 | 15000 | 2450 | 25 | A | 35575 | |
| | | | F30W/830 | Polylux XL 830 | 2950 | 85 | 15000 | 2450 | 25 | A | 35576 | |
| | | | F30W/840 | Polylux XL 840 | 4000 | 85 | 15000 | 2450 | 25 | A | 35577 | |
| 36 | | 970 | F36WM/830 | Polylux XL 830 | 2950 | 85 | 15000 | 3100 | 25 | A | 36341 | |
| | | | F36WM/840 | Polylux XL 840 | 4000 | 85 | 15000 | 3100 | 25 | A | 36343 | |
| 38 | 42in | 1050 | F38W/830 | Polylux XL 830 | 2950 | 85 | 15000 | 3300 | 25 | A | 33307 | |
| | | | F38W/840 | Polylux XL 840 | 4000 | 85 | 15000 | 3300 | 25 | A | 33308 | |
| 70 | 6ft | 1800 | F70W/830 | Polylux XL 830 | 2950 | 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 | |

Polylux XL rated average life hours on HF Electronic Gear is 18,000 Hours

Polylux

| Watts | Length Feet | Length mm | Order Code | Product Description | CCT °K | CRI Ra | Rated | | Pack Qty | Energy | | Product Code |
|-------------------------------------|----------------|--------------|-----------------|------------------------|--------|--------|-----------------------|-------------------|-------------|---------------------|--------------|-----------------|
| | | | | | | | Average Life Hours | Initial Lumens | | Efficiency Class | | |
| T8 Triphosphor (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

Polylux Deluxe

| Watts | Length Feet | Length mm | Order Code | Product Description | CCT °K | CRI Ra | Rated | | Pack Qty | Energy Efficiency Class | Product Code |
|--|----------------|--------------|---------------|------------------------|--------|--------|-----------------------|-------------------|-------------|-------------------------------|-----------------|
| | | | | | | | Average Life Hours | Initial Lumens | | | |
| T8 Five Band Phosphor (Ø 26mm - 1") | | | | | | | | | | | |
| 18 | 2ft | 600 | F18W/930 | Polylux Deluxe 930 | 3000 | 95 | 12000 | 1000 | 25 | B | 29613 |
| | | | F18W/940 | Polylux Deluxe 940 | 3800 | 95 | 12000 | 1000 | 25 | B | 29614 |
| 36 | 4ft | 1200 | F36W/930 | Polylux Deluxe 930 | 3000 | 95 | 12000 | 2350 | 25 | B | 29648 |
| | | | F36W/940 | Polylux Deluxe 940 | 3800 | 95 | 12000 | 2350 | 25 | B | 29649 |
| 58 | 5ft | 1500 | F58W/930 | Polylux Deluxe 930 | 3000 | 95 | 12000 | 3750 | 25 | B | 29660 |
| | | | F58W/940 | Polylux Deluxe 940 | 3800 | 95 | 12000 | 3750 | 25 | B | 29661 |



Polylux XL™ Sleeveless Range - Eco Pack - Reduces installation time

| Watts | Length Feet | Length mm | Order Code | Product Description | CCT °K | CRI Ra | Rated | | Pack Qty | Energy Efficiency Class | Product Code |
|-------------------------|----------------|--------------|---------------|------------------------|--------|--------|-----------------------|-------------------|-------------|-------------------------------|-----------------|
| | | | | | | | Average Life Hours | Initial Lumens | | | |
| T8 (Ø 26mm - 1") | | | | | | | | | | | |
| 18 | 2ft | 600 | F18W/830 ECO | Polylux XL 830 | 2950 | 85 | 15000 | 1350 | 25 | A | 34841 |
| | | | F36W/830 ECO | Polylux XL 830 | 2950 | 85 | 15000 | 3350 | 25 | A | 47981 |
| | | | F58W/830 ECO | Polylux XL 830 | 2950 | 85 | 15000 | 5200 | 25 | A | 47980 |
| 18 | 2ft | 600 | F18W/840 ECO | Polylux XL 840 | 4000 | 85 | 15000 | 1350 | 25 | A | 34845 |
| | | | F36W/840 ECO | Polylux XL 840 | 4000 | 85 | 15000 | 3350 | 25 | A | 34365 |
| | | | F58W/840 ECO | Polylux XL 840 | 4000 | 85 | 15000 | 5200 | 25 | A | 47979 |

Polylux XL rated average life hours on HF Electronic Gear is 18,000 Hours

Standard Halophosphate

| Watts | Length Feet | Length mm | Order Code | Product Description | CCT °K | CRI Ra | Rated | | Pack Qty | Energy Efficiency Class | Product Code |
|---------------------------------------|----------------|--------------|---------------|------------------------|--------|--------|-----------------------|-------------------|-------------|-------------------------------|-----------------|
| | | | | | | | Average Life Hours | Initial Lumens | | | |
| T8 Halophosphate (Ø 26mm - 1") | | | | | | | | | | | |
| 18 | 2ft | 600 | F18W/29 | Warm White | 2950 | 51 | 9000 | 1150 | 25 | B | 29546 |
| | | | F18W/35 | White | 3450 | 54 | 9000 | 1150 | 25 | B | 29547 |
| | | | F18W/33 | Cool White | 4000 | 58 | 9000 | 1150 | 25 | B | 35098 |
| | | | F18W/54 | Daylight | 6500 | 76 | 9000 | 950 | 25 | B | 34883 |
| | | | F18W/25 | Natural | 4050 | 73 | 9000 | 1100 | 25 | B | 29548 |
| 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 | 37488 |
| | | | F36W/54 | Daylight | 6500 | 76 | 9000 | 2350 | 25 | B | 37492 |
| | | | F36W/25 | Natural | 4050 | 73 | 9000 | 2600 | 25 | B | 29568 |
| 58 | 5ft | 1500 | F58W/29 | Warm White | 2950 | 51 | 9000 | 4600 | 25 | B | 29571 |
| | | | F58W/35 | White | 3450 | 54 | 9000 | 4600 | 25 | B | 29575 |
| | | | F58W/33 | Cool White | 4000 | 58 | 9000 | 4600 | 25 | B | 29570 |
| | | | F58W/54 | Daylight | 6500 | 76 | 9000 | 3750 | 25 | B | 29580 |
| | | | F58W/25 | Natural | 4050 | 73 | 9000 | 4100 | 25 | B | 29577 |
| 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/33 | Cool White | 4000 | 58 | 9000 | 850 | 25 | B | 29524 |
| | | | F15W/54 | Daylight | 6500 | 76 | 9000 | 750 | 25 | B | 29534 |
| 30 | 3ft | 900 | F30W/29 | Warm White | 2950 | 51 | 9000 | 2300 | 25 | B | 29557 |
| | | | F30W/35 | White | 3450 | 54 | 9000 | 2300 | 25 | B | 29561 |
| | | | F30W/33 | Cool White | 4000 | 58 | 9000 | 2250 | 25 | B | 29556 |
| | | | F30W/54 | Daylight | 6500 | 76 | 9000 | 1800 | 25 | B | 29563 |
| 36 | 970 | F36WM/33 | Cool White | 4000 | 58 | 9000 | 2600 | 25 | B | 36422 | |
| | | | F36WM/54 | Daylight | 6500 | 76 | 9000 | 1900 | 25 | B | 36421 |
| | | | F36WM/25 | Natural | 4050 | 73 | 9000 | 2400 | 25 | B | 36420 |
| 38 | 42in | 1050 | F38W/35 | White | 3450 | 54 | 9000 | 3050 | 25 | B | 29682 |
| 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 |



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



Polylux XLR™ lamps

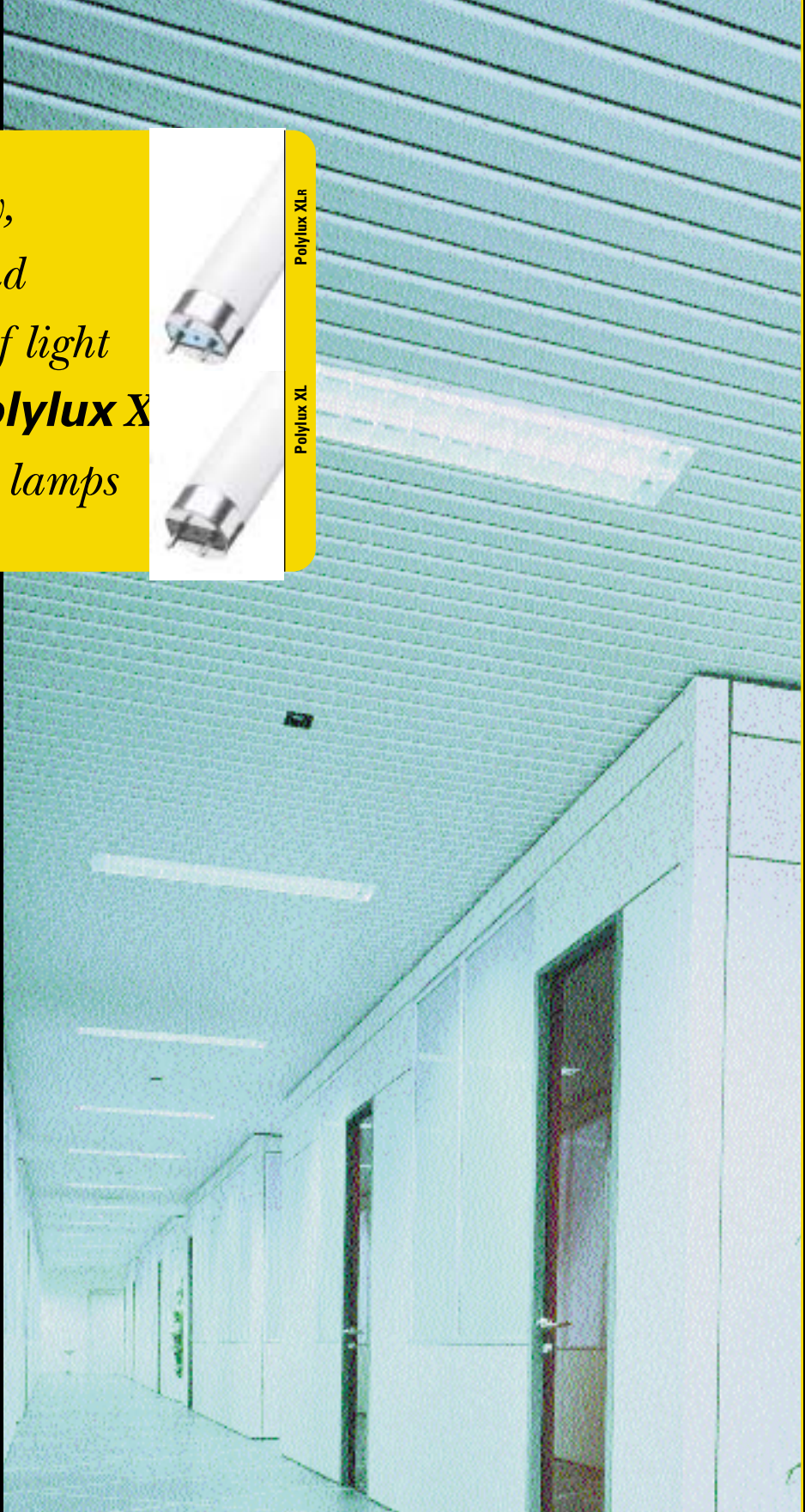
- *Polylux XLR lamps have an average rated life of 20000 hours on electronic gear and 15000 hours on conventional gear.*
- *Polylux XLR lamps will be available in a range of wattages from 18W to 70W, and in various colours from extra warm to daylight.*

Polylux XL™ lamps

- *Polylux XL lamps have an average rated life of 18000 hours on electronic gear and 15000 hours on conventional gear.*
- *Polylux XL lamps are available in a range of wattages from 18W to 70W.*

Applications:

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



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.



GE Polylux XLR™ & XL™

Polylux XLR™ lamps are the new
Recyclable
longer life environmentally friendly
triphosphor fluorescent lamps
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

A longer lasting light naturally

Polylux XLR™ and Polylux XL™

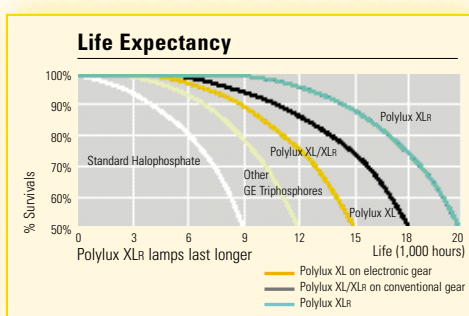
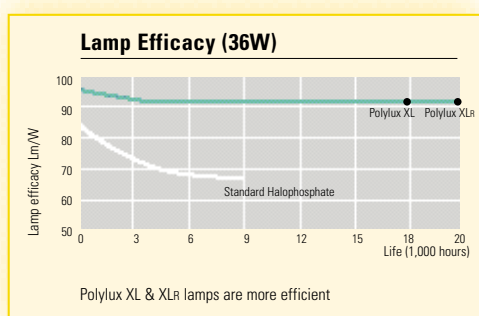
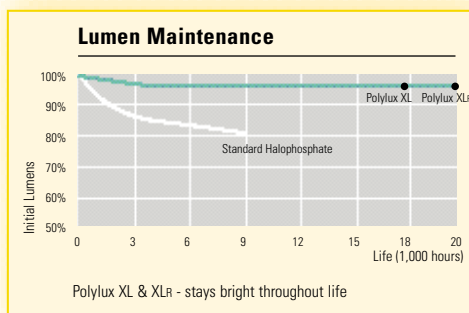
| Superior Lumen Maintenance | Excellent Colour Performance |
|---|--|
| <ul style="list-style-type: none"> • 95% through life • Consistently high light levels • More attractive and welcoming office and retail environments • Better energy utilisation | <ul style="list-style-type: none"> • CRI Ra = 85 • 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.

827 Extra Warm White (2,700°K)



830 Warm White (2,950°K)



835 White (3,400°K)



840 Cool White (4,000°K)



860 Daylight (6,300°K) only Polylux XL lamps



GE Polylux XLR™ & XL™

Fluorescent

T12 Polylux

| Watts | Length Feet | Length mm | Order Code | Product Description | CCT °K | CRI Ra | Rated | Initial Lumens | Pack Qty | Energy | Product Code |
|--|----------------|--------------|------------------|------------------------|--------|--------|-----------------------|-------------------|-------------|---------------------|-----------------|
| | | | | | | | Average Life Hours | | | Efficiency Class | |
| T12 Triphosphor (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 | 29821 |
| 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 | - | 32656 |
| | | | F75W/840 | Polylux 840 | 4000 | 80+ | 12000 | 6550 | 25 | - | 29823 |
| 85 | 8ft | 2400 | F85W/830 | Polylux 830 | 2950 | 80+ | 12000 | 7900 | 25 | - | 32696 |
| | | | F85W/840 | Polulux 840 | 4000 | 80+ | 12000 | 7900 | 25 | - | 30642 |
| 100 | 8ft | 2400 | F100W/830 | Polylux 830 | 2950 | 80+ | 12000 | 9100 | 25 | - | 31265 |
| | | | F100W/840 | Polylux 840 | 4000 | 80+ | 12000 | 9100 | 25 | - | 31266 |
| 125 | 8ft | 2400 | F125W/830 | Polylux 830 | 3000 | 80+ | 12000 | 10550 | 25 | - | 32658 |



T12 Standard Halophosphate

| Watts | Length Feet | Length mm | Order Code | Product Description | CCT °K | CRI Ra | Rated | Initial Lumens | Pack Qty | Energy | Product Code |
|--|----------------|--------------|-----------------|------------------------|--------|--------|-----------------------|-------------------|-------------|---------------------|-----------------|
| | | | | | | | Average Life Hours | | | Efficiency Class | |
| T12 Halophosphate (Ø 38mm - 1 1/2") | | | | | | | | | | | |
| 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/25 | Natural | 4050 | 73 | 9000 | 1050 | 25 | B | 29749 |
| 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/54 | Daylight | 6500 | 76 | 9000 | 2450 | 25 | B | 29771 |
| | | | F40W/25 | Natural | 4050 | 73 | 9000 | 2500 | 25 | B | 29770 |
| 65 | 5ft | 1500 | F65W/29 | Warm White | 2950 | 51 | 9000 | 4750 | 25 | B | 29780 |
| | | | F65W/35 | White | 3450 | 54 | 9000 | 4750 | 25 | B | 29781 |
| | | | F65W/33 | Cool White | 4000 | 58 | 9000 | 4750 | 25 | B | 29779 |
| | | | F65W/54 | Daylight | 6500 | 76 | 9000 | 3900 | 25 | B | 29784 |
| | | | F65W/25 | Natural | 4050 | 73 | 9000 | 4000 | 25 | B | 29783 |
| 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 |
| 85 | 8ft | 2400 | F85W/35 | White | 3450 | 54 | 9000 | 7100 | 25 | - | 31244 |
| 100 | 8ft | 2400 | F100W/35 | White | 3450 | 54 | 9000 | 8300 | 25 | - | 31246 |
| | | | F100W/33 | Cool White | 4000 | 58 | 9000 | 8100 | 25 | - | 31260 |
| 125 | 8ft | 2400 | F125W/35 | White | 3450 | 54 | 9000 | 9200 | 25 | - | 31247 |
| | | | F125W/33 | Cool White | 4000 | 58 | 9000 | 9100 | 25 | - | 31248 |



Fluorescent

T12 Special colour

| Watts | Length Feet | Length mm | Order Code | Product Description | Rated Average Life Hours | Pack Qty | Energy Efficiency Class | Product Code |
|--|----------------|--------------|---------------|------------------------|--------------------------------|-------------|-------------------------------|-----------------|
| T12 Blacklight Blue (Ø 38mm - 1/2") | | | | | | | | |
| 20 | 2ft | 600 | F20W/BLB | Blacklight Blue | 9000 | 6 | - | 34747 |
| 40 | 4ft | 1200 | F40W/BLB | Blacklight Blue | 20000 | 6 | - | 10531 |



T5 Polylux - Bulk Pack

| Watts | Length Feet | Length mm | Order Code | Product Description | CCT °K | CRI Ra | Rated Average Life Hours | Initial Lumens | Pack Qty | Energy Efficiency Class | Product Code |
|---------------------------------------|----------------|--------------|---------------|------------------------|--------|--------|--------------------------------|-------------------|-------------|-------------------------------|-----------------|
| T5 Triphosphor (Ø 16mm - 5/8") | | | | | | | | | | | |
| 8 | 1ft | 300 | F8W/827BP | Polylux 827 | 2700 | 80+ | 5000 | 460 | 50 | B | 37008 |
| | | | F8W/840BP | Polylux 840 | 2950 | 80+ | 5000 | 460 | 50 | B | 37009 |



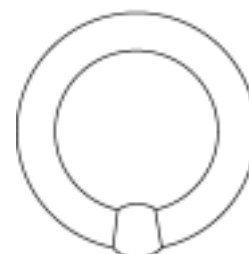
T5 Standard Halophosphate

| Watts | Length Feet | Length mm | Order Code | Product Description | CCT °K | CRI Ra | Rated Average Life Hours | Initial Lumens | Pack Qty | Energy Efficiency Class | Product Code |
|---|----------------|--------------|---------------|------------------------|--------|--------|--------------------------------|-------------------|-------------|-------------------------------|-----------------|
| T5 Halophosphate (Ø 16mm - 5/8") | | | | | | | | | | | |
| 4 | 6in | 150 | F4W/33 | Cool White | 4000 | 58 | 5000 | 150 | 25 | B | 29505 |
| | | | F4W/35 | White | 3450 | 54 | 5000 | 150 | 25 | B | 29507 |
| 6 | 9in | 225 | F6W/33 | Cool White | 4000 | 58 | 5000 | 290 | 25 | B | 29508 |
| | | | F6W/35 | White | 3450 | 54 | 5000 | 300 | 25 | B | 29510 |
| 8 | 1ft | 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 | 5000 | 850 | 25 | B | 35739 |
| | | | F13W/33 | Cool White | 4000 | 58 | 5000 | 800 | 25 | B | 35737 |
| | | | F13W/35 | White | 3450 | 54 | 5000 | 850 | 25 | B | 35740 |



Circline™

| Watts | Diam mm | Order Code | Product Description | CCT °K | CRI Ra | Rated Average Life Hours | Initial Lumens | Pack Qty | Energy Efficiency Class | Product Code |
|-------|------------|---------------|------------------------|--------|--------|--------------------------------|-------------------|-------------|-------------------------------|-----------------|
| 22 | 209.5 | FC8T9/WW | Warm White | 3000 | 51 | 12000 | 1050 | 12 | B | 11023 |
| | | FC8T9/CW | Cool White | 4150 | 58 | 12000 | 1000 | 12 | B | 33774 |
| | | FC8T9/D | Daylight | 6250 | 75 | 12000 | 875 | 12 | B | 11026 |
| 32 | 311.2 | FC12T9/WW | Warm White | 3000 | 51 | 12000 | 1875 | 12 | B | 11034 |
| | | FC12T9/CW | Cool White | 4150 | 62 | 12000 | 1825 | 12 | B | 33890 |
| | | FC12T9/D | Daylight | 6250 | 75 | 12000 | 1550 | 12 | B | 11039 |
| 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 |



Fluorescent



Mod-U-Line™

| Watts | Length Feet | Length mm | Order Code | Product Description | CCT °K | CRI Ra | Rated Average Life Hours | Initial Lumens | Pack Qty | Energy Efficiency Class | Product Code |
|-------|-------------|-----------|-------------------|---------------------|--------|--------|--------------------------|----------------|----------|-------------------------|--------------|
| 20 | | 265 | F20UT8/05 | Ultra Violet | | | 2000 | | 20 | - | 30681 |
| 40 | 21in | 525 | F40UT8/835 | Polylux 835 | 3400 | 80+ | 7500 | 3250 | 20 | A | 29904 |
| | | | F40UT8/29 | Warm White | 3000 | 57 | 7500 | 2875 | 20 | B | 29888 |
| | | | F40UT8/33 | Cool White | 4200 | 58 | 7500 | 2875 | 20 | B | 29892 |
| | | | F40UT8/35 | White | 3450 | 54 | 7500 | 2875 | 20 | B | 29891 |

CAUTION : Spacing bracket is not a handle. Bracket may separate from lamp.

Starters

| Order Code | Product Description | Pack Configuration | Pack Qty | Product Code |
|----------------|-------------------------------------|--------------------|----------|--------------|
| 155/200 | 15/22W 110V single or 220/240V twin | 10x25 | 250 | 36711 |
| 155/200 | | Bulk | 2000 | 36714 |
| 155/500 | 4/65W universal 220/240V | 10x25 | 250 | 36536 |
| 155/500 | | Bulk | 2000 | 36537 |
| 155/800 | 75/125W 240V | 10x25 | 250 | 37864 |
| 155/800 | | Bulk | 2000 | 37729 |
| 155/801 | 70/100W 240V | 10x25 | 250 | 37975 |
| 155/801 | | Bulk | 2000 | 37974 |

1 = 10 x 25 Way Pack
2 = 25 x 10 Way Pack

Brand cross-reference

| GE | Description | Osram | Philips | Sylvania |
|------------------------|----------------------------|-----------------------------|------------------------------------|-----------------------------|
| Polylux XLn™ | | Lumilux Plus Eco | TLD Super 80 New Generation | |
| | 827 | 41/827 | 827 | - |
| | 830 | 31/830 | 830 | - |
| | 835 | - | - | - |
| | 840 | 21/840 | 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 |
| Standard | 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 |
| Polylux De Luxe | | Lumilux De Lux | Super 90 | Luxline |
| | 930 | 32/930 | 930 | 193 |
| | 940 | 22/940 | 940 | 194 |
| Circline™ | | Circular Fluorescent | TLE | Circular Fluorescent |
| Mod-U-Line™ | | - | - | - |

This cross-reference does not necessarily represent the full listing of lamps offered in alternative brands.

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 better colour rendering and significant energy savings.

The effects of switching

Frequent switching 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.

Fig 1 Effect on life of different switching cycles

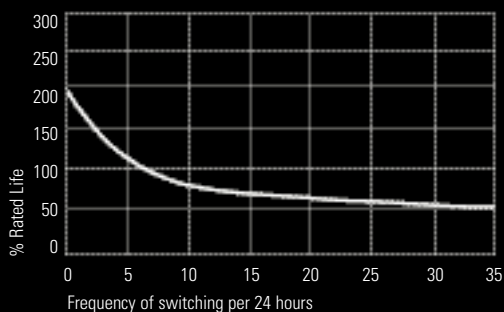


Fig 2 Light output relative to ambient temperature

