

# Safety Lighting





Imagine the loss of earnings for your business if a broken lamp sprayed fragments of glass onto your food production line, merchandise, employees, customers, or somewhere you couldn't see. This could typically happen due to accidental impact or whilst replacing your lamps.



## Complete Shatter Protection

GE covRguard™ fluorescent lamps are wrapped in a 0.38mm thick casing of polycarbonate plastic, for 18&36W, which effectively contains the glass fragments and phosphors if the lamp is broken. 58&70W lamps are coated in FEP material.

## Quality Protective Material – UV Stabilised

The shield won't discolour over the life of the lamp. covRguard™ lamps are protected by virgin polycarbonate plastic, for the best UV stability.\*

Up to 36W lamps, UV will be largely absorbed by the polycarbonate material used, 58W and above, however the FEP material used will transmit most of the UV emitted by the lamp.

\*Lamps will operate in ambient temperatures up to 50°C without discolouring. Please note that some closed or watertight fittings operate at higher temperatures over 50°C.

The covRguard™ technology is available across a wide product range

### Germicidal Lamps Linear fluorescent

GE Germicidal lamps use a special UV transmitting glass that can break down ultra-violet light in a spectral band for sterilization. A proven technology for the destruction of airborne bacteria, viruses and mold spores. Improved system efficiency when installed in HVAC units by reducing bacterial and mold growth.

### Arctic Lamps Linear fluorescent lamps

Standard T8 design with Medium Bi-pin base. High colour rendering (85 CRI) rare earth phosphors used in all T8 Lamps. Cold Temperature cover is shatter resistant Lexan™ shield & will not fade, crack, or peel Lexan™ jacket provides protection from cold environments.

### Blacklight Lamps Linear fluorescent lamps

Blacklight lamps produce long wave ultra-violet light. The "black" glass ensures that no visible light is passed and only the UV content is emitted.

### Gold Lamps Linear fluorescent lamps

GE Super Gold lamps provide maximum UV blockage and maintain protection for the entire life of the lamp, critical in manufacturing processes. The exclusive sleeve is guaranteed not to deform or change colour.

## Who can benefit?

Basically anybody who is worried about the effect on their business of fragments of glass from a broken lamp, due to accidental impact or whilst replacing them.



### MUSEUMS, ART GALLERIES

Places where protection from fading is critical



### SCHOOLS

- Classrooms
- Pools, gyms
- Hallways and stairways
- Food service areas
- Cafeteria lunch rooms
- Laboratories
- Bathrooms
- Showers
- Outdoor areas

### Germicidal Applications:

UV lamps for germicidal applications. Water, air and surface sterilisation.



### FOOD PROCESSING INDUSTRY

- Food processing
- Food handling
- Warehousing
- Produce department
- Meat cases
- Salad bars
- Dessert cases
- Bakeries
- Buffets
- Restaurants

### BIOTECH INDUSTRY

- Bioengineering
- Genetics
- Medical testing
- Pharmaceutical processes
- Research labs
- Biotech labs
- Equipment sterilization



### Arctic lamps applications

Lamp designed to work specifically in cold temperature applications:

- Outside use in very cold temperatures
- Industrial deep freezes
- Cold stores

### Blacklight lamp applications

- Fly and Insect control

### Gold lamp applications

- Food processing
- Semi conductor processing
- Printing
- Photo Darkrooms



Watt	Length (ft)	Length (mm)	Product description	Colour/ product type	CCT K	CRI Ra	Rated avg. life hours	Initial lumens	Pack qty.	Product code
<b>T5 covRguard™</b>										
14		549	F14T5/830 CVG		3000	85	20000	1350	40	20376
14		549	F14T5/835 CVG		3500	85	20000	1350	40	20377
21		849	F21T5/830 CVG		3000	85	20000	2100	40	20378
21		849	F21T5/835 CVG		3500	85	20000	2100	40	20380
28		1149	F28T5/830 CVG		3000	85	20000	2900	40	20359
28		1149	F28T5/835 CVG		3500	85	20000	2900	40	20360
28		1149	F28T5/841 CVG		4000	85	20000	2900	40	20362
35		1449	F35T5/830 CVG		3000	85	20000	3650	40	20381
35		1449	F35T5/835 CVG		3500	85	20000	3650	40	20382
54		1149	F54T5/830/HO CVG		3000	85	20000	5000	40	20364
54		1149	F54T5/835/HO CVG		3500	85	20000	5000	40	20366
54		1149	F54T5/841/HO CVG		4000	85	20000	5000	40	20371

<b>T8 covRguard™ Polylux XLR™ - with Polycarbonate Shield</b>										
<b>T8 ( ø26mm - 1") 58W and 70W have FEP coating</b>										
Watt	Length (ft)	Length (mm)	Product description	Colour/ product type	CCT K	CRI Ra	Rated avg. life hours	Initial lumens	Pack qty.	Product code
18	2ft	600	F18W/830	CVG/XLR 830	2950	85	15000	1300	25	39537
			F18W/835	CVG/XLR 835	3400	85	15000	1300	25	39538
			F18W/840	CVG/XLR 840	4000	85	15000	1300	25	39539
36	4ft	1200	F36W/830	CVG/XLR 830	2950	85	15000	3250	25	39540
			F36W/835	CVG/XLR 835	3400	85	15000	3250	25	39541
			F36W/840	CVG/XLR 840	4000	85	15000	3250	25	39543
58	5ft	1500	F58W/830	CVG/XLR 830	2950	85	15000	5050	25	12403
			F58W/835	CVG/XLR 835	3400	85	15000	5050	25	12405
			F58W/840	CVG/XLR 840	4000	85	15000	5050	25	12407
70	6ft	1800	F70W/830	CVG/XLR 830	2950	85	15000	6100	25	12421
			F70W/835	CVG/XLR 835	3400	85	15000	6100	25	12423
			F70W/840	CVG/XLR 840	4000	85	15000	6100	25	12424

Watt	Length (ft)	Length (mm)	Product description	UV Output (watts)	Rated CRI Ra	Average life hours	Pack qty.	Product code
<b>Germicidal</b>								
<b>Soft Glass UV Output (Watts) Efficacy</b>								
<b>T5 Germicidal</b>								
4			G4T5	0.9	23%	6000	24	15872
6			G6T5	1.7	28%	6000	24	15873
8			G8T5	2.3	29%	8000	24	11077
16			G16T5	3.2	20%	8000	24	16494
39			G36T5	12	31%	9000	24	15874
65			G64T5	22	34%	9000	24	15864
<b>T8 Germicidal CovRguard</b>								
15			G15T8 CVG	4.8	32%	8000	24	25411
25			G25T8 CVG	6.9	28%	8000	24	25412
30			G30T8 CVG	12.4	41%	8000	24	25413
55			G55T8 CVG	18	33%	8000	24	25415
<b>T8 Germicidal</b>								
15			G15T8	4.8	32%	8000	24	11078
25			G25T8	6.9	28%	8000	24	11082
30			G30T8	12.4	41%	8000	24	11080
55			G55T8HO	18	33%	8000	24	15875
75			G75T8HO	26	35%	8000	24	15876
<b>Biax™ Germicidal</b>								
5			GBX5/UVC G23	1.0	20%	8000	10	16479
9			GBX9/UVC G23	2.4	27%	8000	10	15877
11			GBX11/UVC G23	3.6	33%	8000	10	15879
13			GBX13/UVC GX23	3.6	28%	8000	10	15881
18			GBX18/UVC/2G11	5.5	31%	8000	10	15882
36			GBX36/UVC/2G11	12	33%	8000	10	15883
55			GBX55/UVC/2G11	17	31%	8000	10	15885

Watt	Product description	Pack Qty	Product Code
<b>Blacklight Blue Lamps</b>			
15	F15T8/BL CVG	6	25422
15	F15T8/BLB CVG	6	25431
15	F15T8/BL 350 FEP CVG	25	21275

Watt	Length (ft)	Length (mm)	Product description	CCT K	CRI Ra	Rated avg. life hours	Initial lumens	Pack qty.	Product code
<b>Arctic Lamps - T8 Medium Bipin</b>									
18		600	F18T8/835/ARCTIC	3500	85	18000	1350	12	31147
18		600	F18T8/840/ARCTIC	4100	85	18000	1350	12	31148
36		1200	F36T8/835/ARCTIC	3500	85	18000	3350	16	25763
36		1200	F36T8/840/ARCTIC	4100	85	18000	3350	16	25764
58		1500	F58T8/835/ARCTIC	3500	85	18000	5800	24	16148
58		1500	F58T8/840/ARCTIC	4100	85	18000	5800	24	23752
70		1800	F70T8/835/ARCTIC	3500	85	18000	6300	24	16149
70		1800	F70T8/840/ARCTIC	5800	85	18000	6300	24	23754

Watt	Length (ft)	Length (mm)	Product description	Colour/ product type	Rated avg. life hours	Initial lumens	Pack qty.	Product code
<b>Gold Lamps</b>								
28		1149	F28T5/GO/COG	Gold	20000	1986	40	25768
17		600	F17T8/GO/ECO/COG	Gold	20000	970	24	25779
25		900	F25T8/GO/ECO/COG	Gold	20000	1590	24	25783
32		1200	F32T8/GO/ECO/COG	Gold	20000	2280	36	25784
40		1200	F40/GO/COG	Gold	20000	2510	30	25850
75		2400	F96T12/GO/COG	Gold	12000	5640	15	25852
110		2400	F96T12/GO/HO/COG	Gold	12000	8010	15	25853
55		1800	F72T12/GO/COG	Gold	12000	4150	15	25854
75		2400	F96T8/GO/COG	Gold	15000	4492	24	25810

Gold lamp are only available to order from the USA.

GE Lighting is constantly developing and improving its products. For this reason, all product descriptions in this brochure are intended as a general guide, and we may change specifications time to time in the interest of product development, without prior notification or public announcement. All descriptions in this publication present only general particulars of the goods to which they refer and shall not form part of any contract. Data in this guide has been obtained in controlled experimental conditions. However, GE Lighting cannot accept any liability arising from the reliance on such data to the extent permitted by law.