

## GlassGuard BlackBand® Fragment Retention Lamps



### Product Description

Fluorescent lamps with high temperature fluoropolymer coating applied externally to retain glass fragments and phosphor powder in the event of accidental breakage.

### Product Features

- Single BlackBand® ring marking in compliance with IEC 61549
- Coating service life is equal to lamp service life
- Suitable for open and enclosed luminaire operation to full rated lamp life
- Will not discolour over lamp service life
- Coating FDA compliant to 21CFR177.1550 for food contact
- Coating passes IEC 60598-1 850°C glow wire and needle flame tests
- Lamp and coating can be recycled
- Direct extrusion lamp coating process certified to ISO 9001:2008 quality management system and major lamp OEM supplier approvals
- High resistance to elevated temperature and aggressive chemical environments
- Coating continuous service temperature range -70°C to +200°C
- RoHs compliant

### Product Benefits

- Glass fragment retention at end of lamp service life
- Significantly reduces the risk of glass contamination to a recognised industry standard - protecting product, personnel and profits
- Achieves HACCP compliance quickly and easily
- Fast identification of IEC 61549 compliant lamp during food safety management system audits
- 99% visible light transmission through coating
- Coating inert to acids and alkalis
- Long life protection providing client savings through cost of ownership

### Applications

- Suitable for all food process and packaging environments

**Caution notice:** For applications using dimmable or presence detection systems, refer to the system or fixture manufacturers guidance notes for "Ageing" of new lamps, otherwise lamp life may be compromised.

MSDS (Material Safety Data Sheet) available

Lamps must be replaced at the end of their rated life.

All products where applicable are subject to WEEE recycling charge.

Our high quality GlassGuard® coating is applied to lamps from the leading brands:  
Philips, GE, Osram and Sylvania