

# SHATTERPROOF LIGHTING PRODUCTS

## TECHNICAL DATA SHEET



### Shatterproof Fluorescent Tubes

Greenstock offer a range of Shatterproof fluorescent tubes. These branded tubes are protected with a semi-rigid layer of plastic sleeving. This sleeving contains shards of glass, phosphor powders and mercury if the tube is accidentally broken. Shatterproof tubes are recommended for use in open or closed fittings where the temperature does not exceed 120 °C.

In house drop tests, thermal tests and light transmission tests are conducted in order to guarantee the coating materials perform correctly in the event of breakage.

All coating polymers used are FDA approved.

### Shatterproof Sleeving Properties

■ Material:	Composite P.E.T
■ Continuous operating temperature:	-30 °C to 125 °C
■ Peak operating temperatures:	-50 °C to 150 °C
■ Sleeving melting point:	250 - 260 °C
■ Maximum tube wattage:	125 watts
■ Guaranteed sleeving life:	10,000 hrs - When used with standard tubes
■ Reduction of tube initial light output:	3%

UV characteristics shown on attached graph

### Shatterproof Discharge Lamps

All shatterproof lamps are of a branded manufacture typically Crompton, GE, Osram and Philips. The coating material extends to approximately 10mm down the lamp cap to ensure full protection.

■ Material:	PFA
■ Material thickness:	175-200 Microns
■ Continuous operating temperature:	260C
■ Sleeving melting point:	310 °C
■ Maximum wattage:	400 watts



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