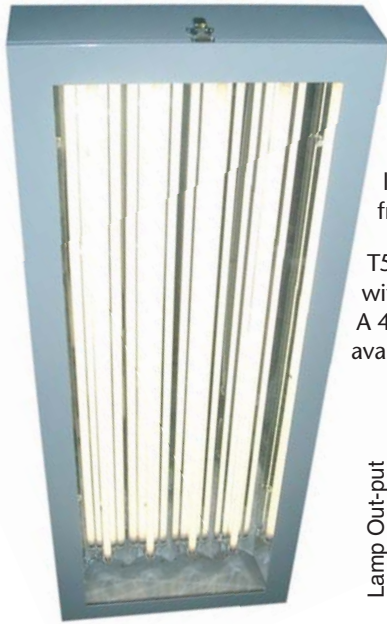




# Brilliance

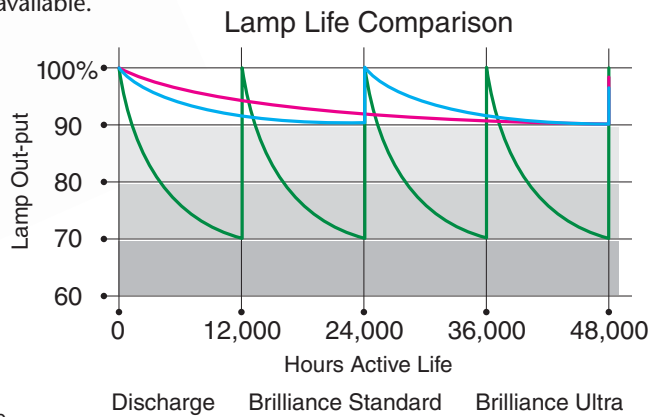
High output energy efficient lighting



**Chalmor offer a complete lighting design service for Brilliance and can provide a cost comparison on request.**

Brilliance is a new light fitting using high performance T5 linear fluorescent lamps to produce a high quality flicker free light for demanding applications.

T5 lamps offer the benefits of an energy efficient light with as standard, a useful operating life of 24,000 hours. A 48,000 hour guaranteed long life lamp is also optionally available.



The graph shows that over a 48,000 hour period only Brilliance fitted with Long Life lamps can last the whole period without requiring re-lamping. One lamp change is required for Brilliance with Standard lamps but 4 changes are needed for both SON and Metal Halide discharge lamps.

	12 hour operation	24/7 operation
<b>Brilliance Long Life</b>	11.0 years	5.5 years
<b>Brilliance Standard</b>	5.5 years	2.7 years
<b>SON / Metal Halide</b>	2.7 years	1.4 years

With less frequent switching it is possible to extend the lamp life of Brilliance significantly. For the Long Life version, with one on/off switching per day, average lamp life is extended up to 70,000 hours.

Both Brilliance lamp versions offer instant "On" and re-strike qualities and are ideal for use with energy saving lighting controls including dimming. Brilliance is fitted with dual control gear so that in the unlikely event of a control gear failure 50% of the lamps will be normally left running. Additionally Brilliance may be specified with "Dual Switching" to provide half and

full lighting for improved energy efficiency. Brilliance may also be specified with an integral 3 hour Emergency pack with a neon indicator.

Brilliance is suitable for one to one replacement of existing 400 watt discharge fittings where than more than a 50% load saving can be achieved. The justification for Brilliance is even greater when maintenance savings and disruption is taken into account. For example over a 48,000 hour period 4 re-lamping cycles will be required for discharge lighting compared to just one for Brilliance Ultra or two for Brilliance standard.

## FEATURES

- 24,000 hours average lamp life
- 48,000 hour guaranteed long life option
- Excellent colour rendition
- Low maintenance costs
- Dimmable option
- Suitable for lighting controls with fast instant strike start and restart capability
- Flicker free lighting with no stroboscopic effect
- Suitable for internal and external use
- Shatterproof lamp option available
- Qualifies for Enhanced Capital Allowances





## SPECIFICATION INFORMATION

High efficiency steel fabricated surface mounted luminaire fitted with polished reflector and high frequency control gear and T5 standard/long life lamps as Chalmer Brilliance.

### TECHNICAL SPECIFICATION

For 4 x 54 Watt version other lamp types and outputs available on request.

**Dimensions:** ..... 1263mm (l) x 480mm (w) x 120mm (h)

**Enclosure construction:** .... Steel

**Enclosure finish:** ..... White powder coated

**Reflector:** ..... 95% reflective super sheet aluminium

**IP Rating:** ..... IP20 as standard.  
IP40 option with polycarbonate visor

**Useful operational life:** .... 24,000 hours – Standard  
48,000 hours – Long Life

**Control gear:** ..... High Frequency with dimming as an option

**Supply voltage:** ..... 230~240 VAC

**Emergency:** ..... 3 hour emergency pack available as an option

**Lamp colour:** ..... Col 840 as standard – other colours available on request

**Lamp type:** ..... 54 Watt (4000k) tri-phosphor T5 lamps as standard. Other T5 lamps available.

Specifications may change without prior notice



### ORDER CODES

**BRIL/227** ..... Brilliance with Standard 24,000 hour lamps

**BRIL/227/LL** ..... Brilliance with Long Life 48,000 lamps

#### Optional Suffix Codes:

**/D** ..... Dimming Control Gear

**/2S** ..... Dual Switching

**/E** ..... Emergency pack

**/SP** ..... Shatterproof lamps

**/V** ..... Polycarbonate visor

Brilliance may be ordered directly from Chalmer:

**E-mail** ..... info@chalmer.co.uk

**Telephone** ..... 01582 748700

**Fax** ..... 01582 748748

