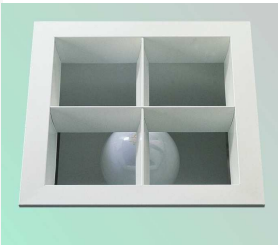


ABBAS RANGE

QL Induction technology suitable for standard and bespoke requirements



Specification

- All luminaires in the range are CE marked in accordance with LV (Low Voltage) and EMC (Electromagnetic Compatibility) Directives.
- Surface mounted variants are manufactured to comply with BS EN 60598-2-1: Specification for fixed general purpose luminaires.
- Recessed models are manufactured to comply with BS EN 60598-2-2: Specification for recessed luminaires.
- Mains voltage limits for reliable performance: 185 - 255V
- Mains frequency limits for reliable performance: 47 - 63 Hz or DC
- Power factor: >0.9
- Operating frequency: 2.65 Mhz
- Minimum temperature for Reliable starting: -20°C
- Ignition / Re-ignition time: 0.1 secs
- Initial luminous flux:

55W -	3500 lm
85W -	6000 lm
165W -	12000 lm
- Expected luminous flux after 60,000 hrs (for surviving lamps): • 70%
- To ensure the highest standards of reliability, all products are fully tested prior to dispatch.

QL Range Details

Model	Colour Reference	Colour Temp. (K)
QL 55W	840	4000
	830	3000
	820	2700
QL 85W	840	4000
	830	3000
	820	2700
QL 165W	840	4000
	830	3000

QL Lumen Maintenance

Lifetime (hrs)	Maintenance (%)
100	100
2000	90
15000	85
30000	80
60000	70

Features

- Utilising QL technology, the Abbas range provides effective ultra-long life lighting solutions in a variety of body styles.
- Through the use of induction technology, the QL system is constructed without electrodes. This results in an expected life of 60,000 hours (>80% still operating), making the system ideal for areas where access for re-lamping is difficult or where maintenance is expensive.
- The QL system offers light characteristics comparable with HF Tri-phosphor fluorescent sources, providing a combination of high efficacy operation with the beneficial elimination of stroboscopic effects, flickering and end of life 'cycling'.
- With a colour rendering index of >Ra80 and the availability of several colour temperatures in each size, the Abbas range will seamlessly integrate with both new and existing fluorescent installations.
- The QL system can be operated within wide supply voltage limits at varying ambient temperatures with barely and variation in lumen output.
- Three systems are available, 55W, 85W and a high output 165W. All have a universal burning position and unlike discharge light sources, all provide instant start and re-start.
- The elliptical shape of the QL lamp and its excellent performance make it ideal for use as a replacement for existing discharge and GLS light sources.
- Through our versatile design service, special luminaires manufactured to the customers' requirements can easily be catered for.
- All Abbas QL luminaires are supplied with a 5 year guarantee.*

* Subject to installation being carried out within the manufacturers' recommended guidelines.

QL Lifetime Expectancy

Lifetime (hrs)	Survival Rate (%)
30000	90
60000	80
100000	50

Every effort has been made to ensure that all information in this publication is correct. However, in keeping with our policy of continuous development we cannot accept liability for any design changes and no information herein forms part of any contract.



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