



UNIQUE— LONG LIFE

Guaranteed up to 48,000 Hours

The Aura UNIQUE-L Long Life compact fluorescent lamps have two discharge tubes connected together by a glass bridge, and are fitted with a 2G7 Cap.

Developed using only the very highest quality materials, this range of lamps are guaranteed to outlast equivalent standard compact fluorescent with a lamp service life up to 4 times longer.

The Aura Unique-L have been developed using the patented Aura cathode shield.

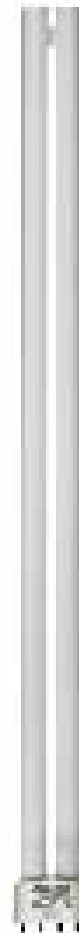
Lamps are available in a tri-phosphor 830 warm white and 840 cool white, with a CRI (Colour Rendition Index) of 85%.

- 18 W to 36 W – with electro-magnetic ballast and separate starter or electronic ballast
- 40 W to 80 W – with electronic ballast

Applications

Compact fluorescent lamps UNIQUE-L Long Life are designed for general lighting solutions in professional installations.

Ideal for offices, shops, restaurants, hotels, public transport, small signs, tunnel lighting etc.



The **Greenstock** Lamp Company



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UNIQUE-L LONG LIFE

Lifetime

The Lifetime of UNIQUE-L Long Life fluorescent lamps is multiple compared to standard lamp.

The Lifetime data for electro-magnetic-ballast and starter and electronic ballast operation is listed in the programme data overview on the final page.

The long lifetime of Aura Long Life lamps improves long term planning of group replacements. Group replacement of fluorescent and compact fluorescent lamps provides optimal control of the operational costs and a uniform level of light

For economical and environmental reasons Aura recommends group replacement of Long Life lamps.

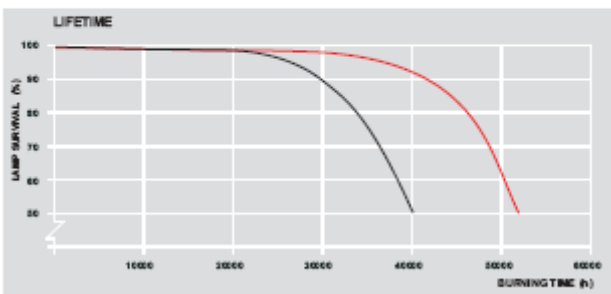
Long Life Guarantee

The Aura Long Life Compact fluorescent lamps are developed and manufactured in accordance with the IEC/EN 60901 standard. Continuous strict quality control processes secure Long Life lamps of top quality.

Aura guarantees the published lifetime of the Long Life compact fluorescent lamps for installations that comply with the relevant standards.

LIFETIME AURA UNIQUE-L AND UNIQUE-L COOL
- 3h-switching cycle (2h 45 min. on, 15 min. off)

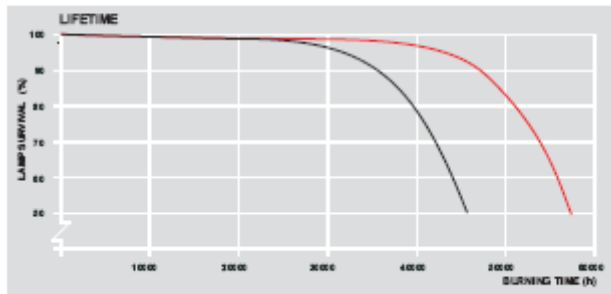
OPERATING CIRCUIT: — ELECTRONIC BALLAST (WARM START)
18W 24W 36W 40W 55W 80W
— MAGNETIC BALLAST + STARTER 18W 24W 36W



The 3h-switching cycle is defined as the time when 10 % of the lamps in an installation are failed. The lumen depreciation at this time is indicated with less than 10 %.

LIFETIME AURA UNIQUE-L AND UNIQUE-L COOL
- 12h-switching cycle (11h on, 1h off)

OPERATING CIRCUIT: — ELECTRONIC BALLAST (WARM START)
18W 24W 36W 40W 55W 80W
— MAGNETIC BALLAST + STARTER 18W 24W 36W



The 12h-switching cycle is defined as the time when 10 % of the lamps in an installation are failed. The lumen depreciation at this time is indicated with less than 10 %.



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Specifications

Compact fluorescent lamps have opened the way to design oriented compact luminaries in combination with energy efficient use in functional areas. **UNIQUE-L Long Life** lamps provide advantages in total cost of operation especially in applications where lamps are burning for long periods and the lamp replacement is difficult and time consuming or disturbs running processes.

UNIQUE-L have the optimum light output at + 25 degree °C. The lamps can be positioned in three ways in an installation.

- Base down—which is most optimal
- Horizontal
- Base up

The lamps are able to work in dimming operation by using the defined electronic ballasts and equipment. It is recommended to start and operate the lamps first on a 100% level to stabilise the lamp process and then to dim down.

The lamps fit well in all luminaries designed for standard compact fluorescent lamps TC-L and can be installed easily.

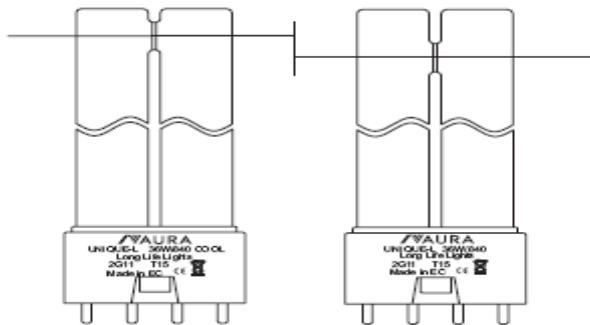
UNIQUE-L Cool Long Life

This version of Compact fluorescent lamps is common in some regions to use in public outdoor lighting or in spe-

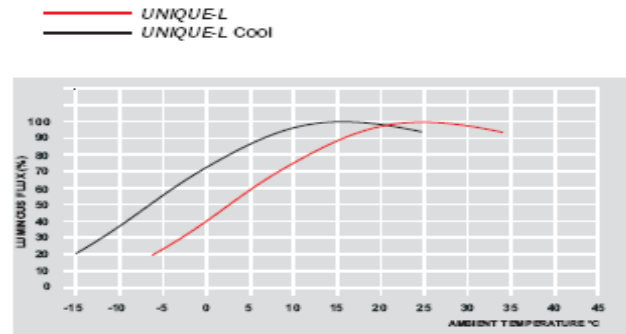


Aura's patented cathode shield construction gives **UNIQUE-L** multiple lifetime.

UNIQUE-L and UNIQUE-L Cool - the different positions of the bridge



UNIQUE-L and UNIQUE-L Cool - light output in relation to temperature



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UNIQUE-L LONG LIFE

PROGRAMME

Type	Colour	Colour temp. (K)	Luminous flux at optimum temperature level * (lm/100h)	Luminous efficacy (lm/W)	Ø single tube (mm)	Ø total (mm)	Length without pins (max. IEC) (mm)	Lifetime				Pack. unit	Article no.
								3h switching cycle magnetic ballast and starter	3h switching cycle electronic ballast (warm start)	12h switching cycle magnetic ballast and starter	12h switching cycle electronic ballast (warm start)		
Cap: 2611													
UNIQUE-L Long Life													
18 W/830	Warm white	3000	1200	67	17,5	37	225	30.000	42.000	36.000	48.000	10	496113
18 W/840	White	4000	1200	67	17,5	37	225	30.000	42.000	36.000	48.000	10	496114
24 W/830	Warm white	3000	1800	75	17,5	37	320	30.000	42.000	36.000	48.000	10	496123
24 W/840	White	4000	1800	75	17,5	37	320	30.000	42.000	36.000	48.000	10	496124
36 W/830	Warm white	3000	2900	81	17,5	37	415	30.000	42.000	36.000	48.000	10	496133
36 W/840	White	4000	2900	81	17,5	37	415	30.000	42.000	36.000	48.000	10	496134
40 W/830	Warm white	3000	3500	88	17,5	37	535		42.000		48.000	10	496143
40 W/840	White	4000	3500	88	17,5	37	535		42.000		48.000	10	496144
55 W/830	Warm white	3000	4800	87	17,5	37	535		42.000		48.000	10	496153
55 W/840	White	4000	4800	87	17,5	37	535		42.000		48.000	10	496154
80 W/830	Warm white	3000	6000	75	17,5	37	565		42.000		48.000	10	496183
80 W/840	White	4000	6000	75	17,5	37	565		42.000		48.000	10	496184
Cap: 2611													
UNIQUE-L Cool Long Life													
18 W/830 Cool	Warm white	3000	1200	67	17,5	37	225	30.000	42.000	36.000	48.000	10	497113
18 W/840 Cool	White	4000	1200	67	17,5	37	225	30.000	42.000	36.000	48.000	10	497114
24 W/830 Cool	Warm white	3000	1800	75	17,5	37	320	30.000	42.000	36.000	48.000	10	497123
24 W/840 Cool	White	4000	1800	75	17,5	37	320	30.000	42.000	36.000	48.000	10	497124
36 W/830 Cool	Warm white	3000	2900	81	17,5	37	415	30.000	42.000	36.000	48.000	10	497133
36 W/840 Cool	White	4000	2900	81	17,5	37	415	30.000	42.000	36.000	48.000	10	497134
55 W/830 Cool	Warm white	3000	4800	87	17,5	37	535		42.000		48.000	10	497153
55 W/840 Cool	White	4000	4800	87	17,5	37	535		42.000		48.000	10	497154

* Optimum temperature level of UNIQUE-L = ≥ + 25 °C, UNIQUE-L COOL = ≤ + 15 °C.

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