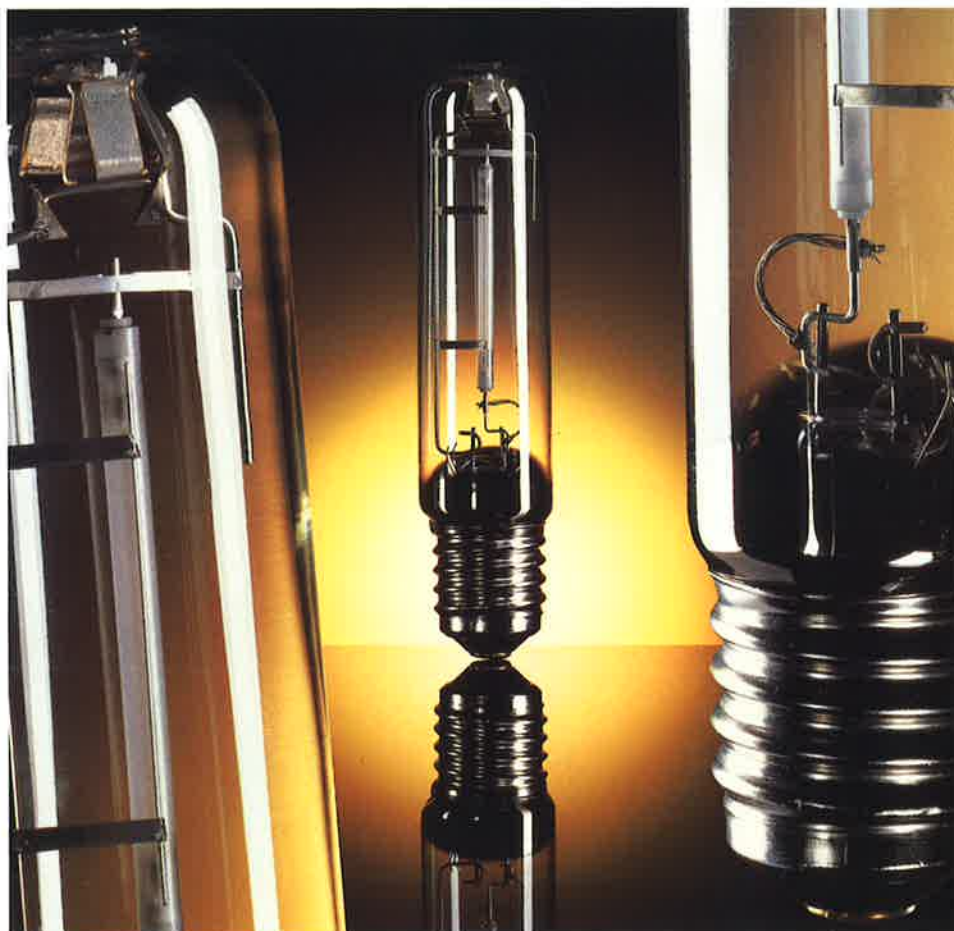


SONAZ

higher performance
sodium lamps

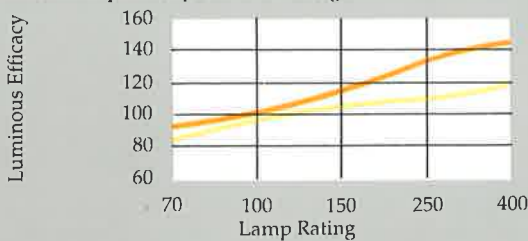


SONXL

higher performance
sodium lamps

THE IMPROVED PERFORMANCE OF SONXL

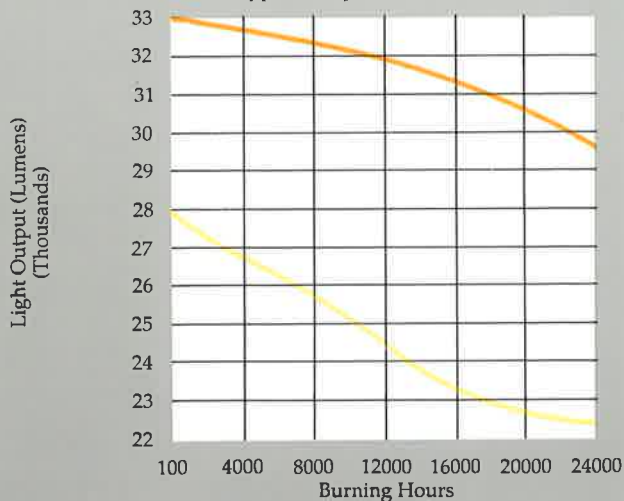
Lumen output compared across range



Lamp Rating	% Improvement
70	8
100	4
150	9
250	18
400	18

THE IMPROVED PERFORMANCE OF SONXL

Lumen maintenance for a typical lamp



Burning Hours	% Improvement
100	18
4000	22
8000	26
12000	31
16000	35
20000	36
24000	33

— Standard SON — SONXL

XL = Xtra Lumens . . .

SONXL, the latest range of High Pressure Sodium Lamps from Thorn Lighting, offers all the advantages of the standard lamp with the addition of extra light – up to 18% more lumens – with no increase in energy consumption.

That means that in new schemes fittings can be positioned further apart to achieve a specified surface illumination, saving on installation costs.

For existing lighting systems, higher illumination levels mean improved visibility at no extra running cost.

. . . throughout life.

This outstanding performance is maintained throughout life. At the end of the 24,000 burning hours rated life lumen output may be as high as 95% of the original value –

a staggering 33% higher than the standard SON equivalent at that point. Maintenance requirements are minimal.

Designed to Excel

Unlike some enhanced performance SON Lamps, Thorn's SONXL has been designed from first principles to achieve optimum performance. Highly sophisticated design and engineering techniques have been used to create 'tuned' arc tubes which achieve superb light output and lumen maintenance performance.

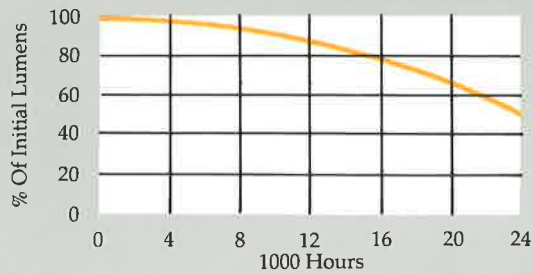
New Lamps in Old Lanterns

SONXL is compatible with most SON gear sets and can enhance the performance of existing facilities. To ensure compatibility between gear and lamps refer to data sheet 4:96.5 (available from your local Thorn sales office).



Groby Road Hospital,
Leicester

LIFE SURVIVAL FOR SONXL



Outstanding for the Urban Environment

SONXL, provides the ideal solution for the illumination of urban areas.

The golden-white light of SON (and it really is golden-white!) makes the discrimination of colour possible and provides an environment which is natural, welcoming and in which people feel secure and safe from attack.

Crime statistics bear this out – with crime numbers falling by up to 85% when lighting is changed from low pressure sodium.

In addition the precise, compact construction of SONXL makes it easier to design luminaires with accurate optical control. Light spillage and hence nuisance can be minimised.

Lighting engineers will be able to meet the demanding requirements of British Standard BS 5489 and CIE recommendations for street lighting without drawing further on

expensive and precious energy resources.

Ideal for Industry

The ultra-efficient performance of this lamp makes it unbeatable for the lighting of factories and warehouses. The warm golden light enhances the working environment and with a run-up time of under two minutes it leaves the standard lamp standing.

Quality Assured

Manufactured using the latest cell production techniques, all Thorn SON lamps meet the highest quality standards.

At every stage operators inspect their own work rigorously. To ensure that every product leaving the factory complies to Thorn's demanding specification, all finished lamps undergo a final, independent inspection and a start test at minimum approved operating conditions.

Lumen Output (100 hours)


	SONXL-T Tubular
70W SONXL-T	6500
100W SONXL-T	10000
150W SONXL-T	17500
250W SONXL-T	33000
400W SONXL-T	56500



Rothley Court Hotel, Leicestershire



SONXL Electrode Brazing

 All Thorn SONXL lamps for use with external igniter circuits only. Further information on specific lamp types is available from Thorn Data Sheets.

Tomorrow's lamps today.

THORN A world authority on light

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