

SONDL

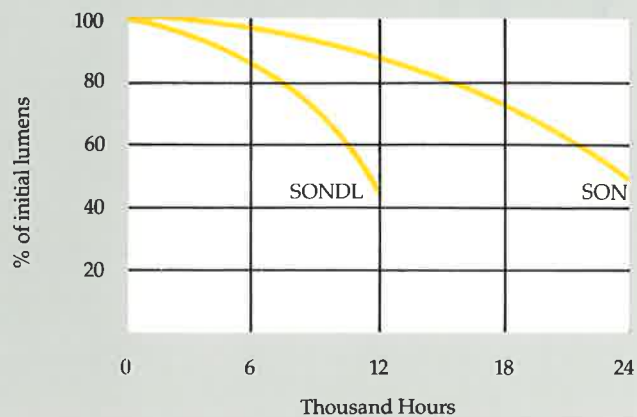
high pressure sodium
– deluxe lamps



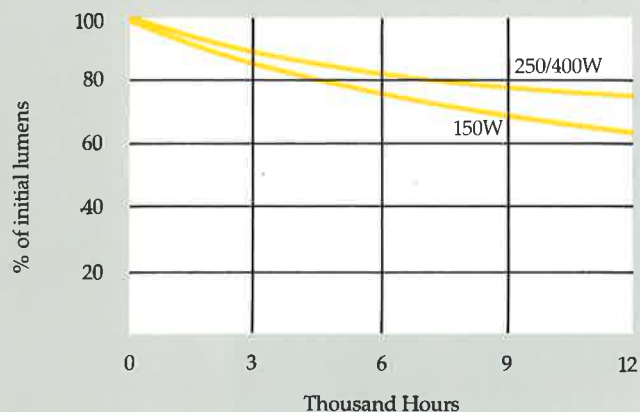
SONDL

high pressure sodium
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Life Survival



Lumen Maintenance – SONDL



SONDL is different Lamp replacement

The range of lamps was designed to give improved colour rendering and whiter colour appearance, thus extending the application of SON lamps to areas where the standard lamp was not acceptable.

By making colour the prime performance criterion there is a trade-off in light output and life.

Because colour is an important consideration SONDL lamps should be regularly group replaced in order to maintain consistent performance and appearance. The life survival curve shows that approximately 10 per cent failures will occur by 5,000 hours. The maintenance period should not normally exceed this value.

SONDL lamps are often used in situations where most of the working light is received from one luminaire rather than an array. An individual lamp failure is therefore significant and easy access for prompt replacement is important.

Compatibility

SONDL lamps are the same physical size as their standard SON counterparts and will operate from the same control gear circuits. The arctube size is smaller and therefore the optical control of the luminaire reflector system can be affected.

Because SONDL lamps operate at a higher arctube pressure the run-up time is slightly longer than standard SON, but the hot restrike is the same at less than one minute.

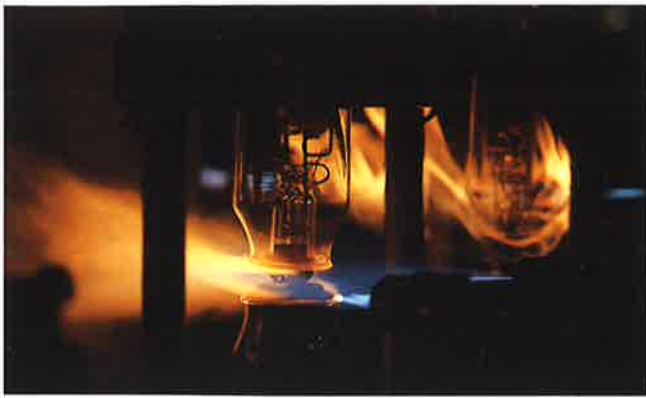
Success of SONDL

The bright warm inviting appearance of this lamp, together with its high efficacy have transformed many interiors to good effect, as shown in recent lighting competitions.

SONDL lamps are sensitive to voltage variations and should always be operated at the correct ballast voltage tapping within $\pm 3\%$ of supply conditions.

Gatwick Airport
EMILAS
Highly Commended





Quality by design

In the construction of the arctube it is the design of the end plug that determines the reliability of the sealing materials against sodium attack. Arctube trimming has been eliminated with an improvement in manufacturing tolerances and possible contamination.



Quality in production


To ensure that every lamp is manufactured to Thorn's demanding specification, each process is continuously monitored with the objective of improvement and refinement at every stage.

Gloucester Cathedral
National Lighting Awards
Highly Commended



Lumen Output (100 hours) by Lamp Type

	SON-T Tubular 	SON-E Elliptical 
150W SONDL	12000	11500
250W SONDL	21000	20000
400W SONDL	35000	34000

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

Tomorrow's lamps today.



Courage Brewery
National Lighting Awards
Winner



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