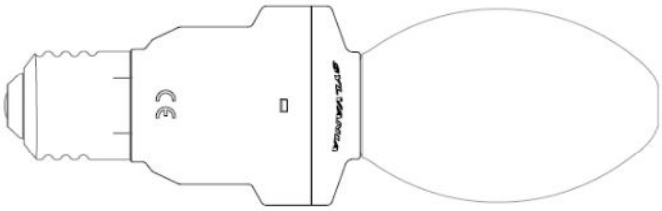
SYLVANIA

RELUMINA 80W E27

Energy Class: A+

DIMENSIONS (mm)



Mercury Content : 8.7 mg
Cap : E27 (IEC 60061-1)
Bulb : hard glass

			RATED	MIN.	MAX.
ELECTRICAL DATA*:					
Lamp wattage	(W r.m.s.)	:	80		
Lamp voltage	(V r.m.s.)	:	90	80	100
Lamp current	(A r.m.s.)	:	1.25		
Lamp warm-up current	(A r.m.s.)	:			2.4
Lamp inrush current	(A peak)	:			24
OPERATING CONDITIONS:					
Burning position		:	Universal		
Fixture type		:	Open and Closed		
Ballast type		:	Electromagnetic High Pressure Mercury ballast rated for 125 W, 1.15 A		
Housing temperature	(°C)	:			140
Bulb temperature	(°C)	:			400
Adjacent to cap temperature	(°C)	:			110
LAMP LIFE:					
Rated average life	(h)	:	22000		
Life to 10% failures	(h)	:	12000		
PHOTOMETRIC DATA*:					
Initial luminous Flux	(lm)	:	7200	6480	
Luminous efficacy	(lm/W)	:	90		
Correlated colour temp.	(K)	:	3000		
Colour rendering index		:	84		
Chromaticity co-ordinates		:	CCx=0.44 CCy=0.40		

* Data for vertical burning position after 100 h ageing at 220V reference ballast

APPLICATION

- **Lamps comply with the safety requirements of IEC publication 61167.**
- **Use Relumina products only on ballasts for High Pressure Mercury Vapor (HPMV) lamps complying with IEC standard 60923.**
- **If an ignitor is present in the electrical circuit it should be removed for use with Relumina lamps.**
- **Screw the Relumina lamp in by holding it by the plastic bottom part and NOT by the glass bulb.**
- **In case a power factor optimization is required, change the capacitor in the system by a capacitor of 14 µF.**

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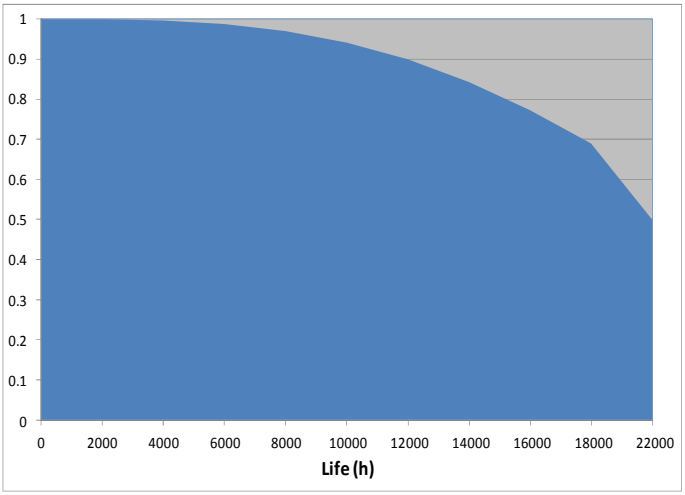
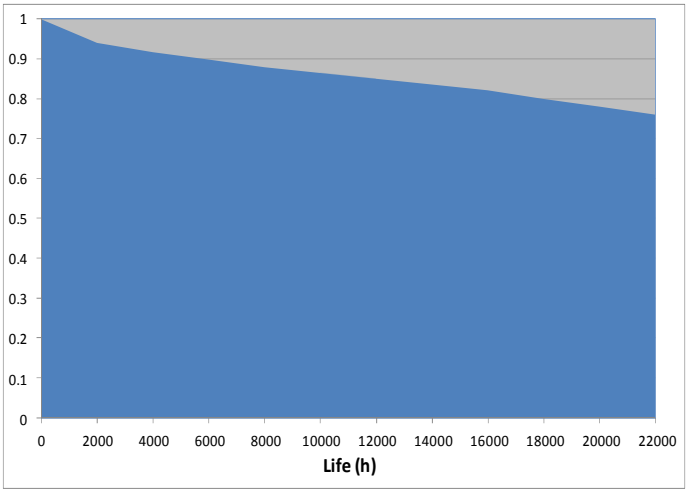
Survival Rate



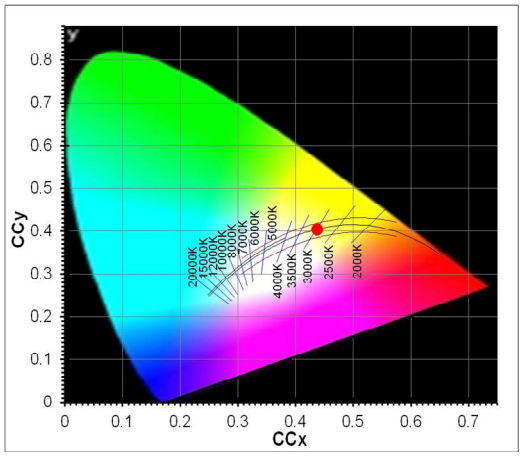
2000h	4000h	6000h	8000h	12000h	16000h	20000h
1.00	1.00	0.99	0.97	0.90	0.77	0.69

Lumen Maintenance

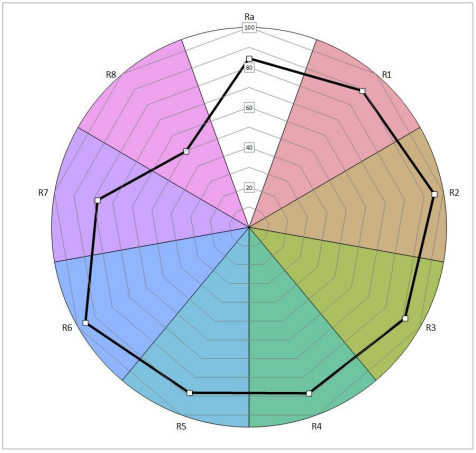


2000h	4000h	6000h	8000h	12000h	16000h	20000h
0.94	0.92	0.90	0.88	0.85	0.82	0.80

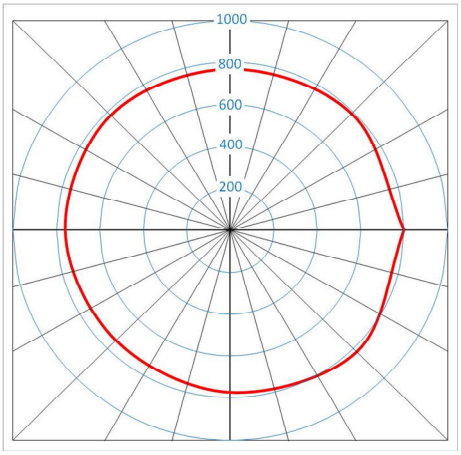
Chromaticity Point



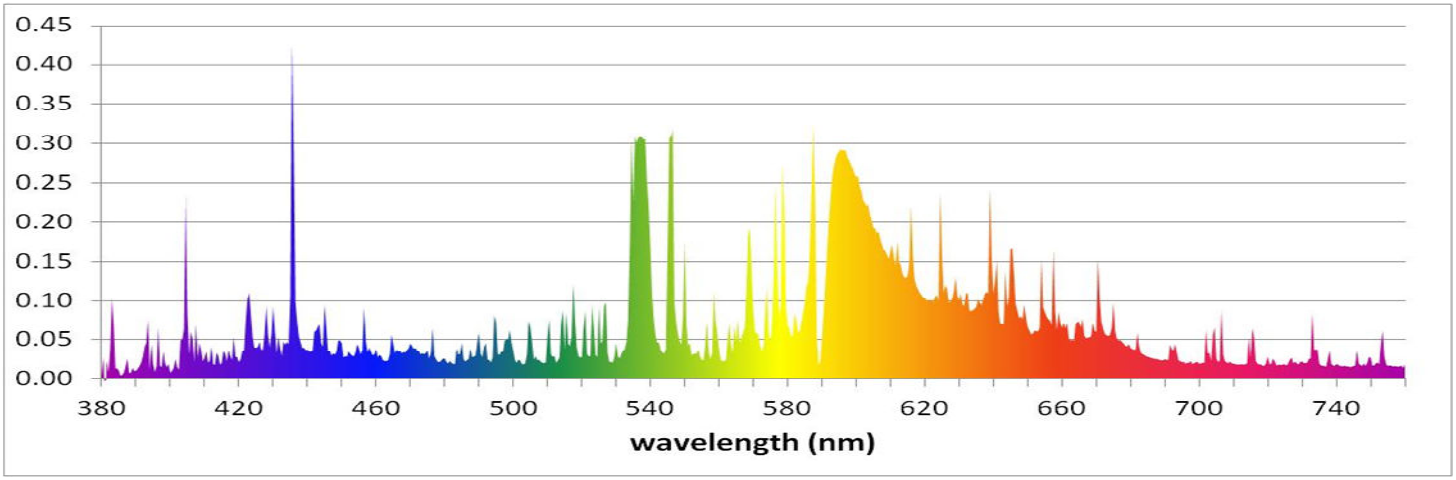
Colour Rendering



Polar Diagram (γ=90°)



Lamp Spectrum



DIMMING CONDITIONS

Dimming is not recommended.

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