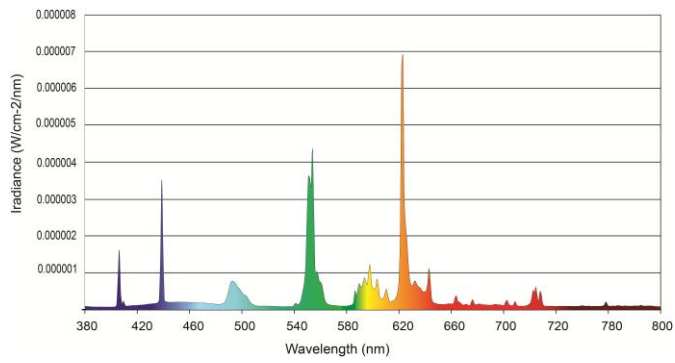


**Crystal TT 100 W - 400 W - E40**

Nominal wattage (W)		100	150	250	400	
Nominal length (mm)		211	211	248	272	
Diameter (mm)		46	46	46	46	
Light Center length (mm)		127 - 137	127 - 137	153 - 163	170 - 180	
Weight (g)		145	150	170	200	
Colour Rendering Index (CRI)		> 80	> 80	> 80	> 80	
Temp. for max. luminous flux (°C)		25 ± 5	25 ± 5	25 ± 5	25 ± 5	
Light Colour		830	830	830	830	
Correlated Colour Temp. CCT (K)		3000	3000	3000	3000	
Nominal flux <sup>1)</sup> @ 25 °C (lm)		9500	13500	24500	39000	
Lamp efficacy <sup>1)</sup> @ 25 °C (lm/W)		95	90	98	98	
Energy Class		A+	A+	A+	A+	
kW/1000 hrs		110	165	275	440	
Electrical Data	Magn. <sup>2)</sup>	Rated Wattage (W)	100	150	250	400
		Lamp voltage (V)	80	80	100	100
		Lamp current (A)	1,3	1,9	2,95	4,6
	Electr. <sup>3)</sup>	Operating Voltage (V)	95	95	-	-
		Lamp current (A)	1,2	1,8	-	-
LLMF - Lamp Lumen Maintenance Factor	2,000 h	0,99				
	4,000 h	0,95				
	6,000 h	0,92				
	8,000 h	0,89				
	12,000 h	0,85				
	16,000 h	0,8				
	20,000 h	0,79				
	24,000 h	0,78				
	30,000 h	0,78				
LSF - Lamp Survival Factor	2,000 h	1				
	4,000 h	0,99				
	6,000 h	0,99				
	8,000 h	0,98				
	12,000 h	0,97				
	16,000 h	0,96				
	20,000 h	0,94				
	24,000 h	0,92				
	30,000 h	0,9				
Operation for LLMF / LSF-values		Magnetic ballast				
Dimmable		Yes				
Cap		E40				
Burning position		Universal				
Mercury content per burner (mg)		11	11	16	25	
IEC		61167				

Switching cycle	Life time (h)
3 h (2:45 on, 0:15 off)	43.000
12 h (11 h on, 1 h off)	30.000

**Spectral distribution 830**


- 1) after 100 h
- 2) Magnetic Ballast
- 3) Electronic Ballast

Packing data	100 W	150 W	250 W	400 W
Box size (mm)	275 x 225 x 275	275 x 225 x 275	275 x 225 x 310	275 x 225 x 345
Lamps per box	12	12	12	12
Weight per box (kg)	2,6	2,6	2,8	3,6