



## SELFBALLAST LED LAMPS FOR MAINS VOLTAGE

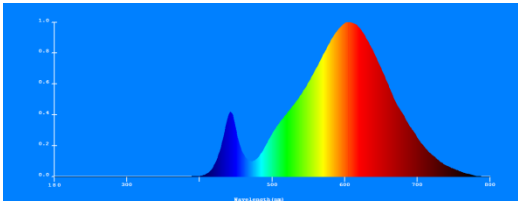
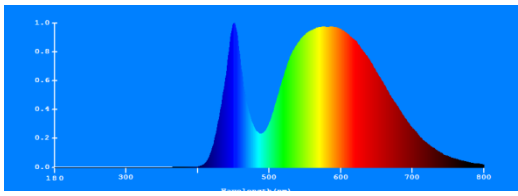
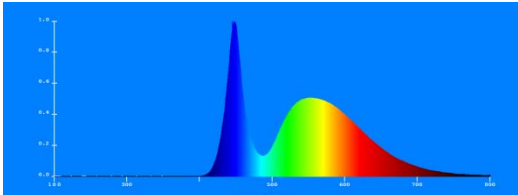
### GLOBE HP opal **DECORLED**

13W G95	17W G120		
		   RoHS   Dir. 2009/125	
Length = $136 \pm 2$ mm Diameter = $95 \pm 1$ mm	Length = $160 \pm 2$ mm Diameter = $120 \pm 1$ mm		

Item code	P <sub>nom</sub> (W)	I (mA)	PF	Luminous Flux (lm)	lm/W	Equivalent inc power (W)	Energy Class	Ec (kWh/1000h)	Cap	T <sub>c</sub> (K)	R <sub>a</sub>	Weight (g)
FLL9A040S	13	116	> 0.5	1200	92.3	83	A+	13	E27	2700	>80	124
FLL9A042S	13	116	> 0.5	1200	92.3	83	A+	13	E27	4000	>80	124
FLL9A04ES	13	116	> 0.5	1250	96.1	86	A+	13	E27	6500	>80	124
FLL9E040S	17	144	> 0.8	1600	94.1	105	A+	17	E27	2700	>80	156
FLL9E042S	17	144	> 0.8	1600	94.1	105	A+	17	E27	4000	>80	156
FLL9E04ES	17	144	> 0.8	1670	98.2	109	A+	17	E27	6500	>80	156

*LED lamp classified EXEMPT (RISK GROUP 0) in application of the EN 62471: 2008 (CIE S009:2002) standards "Photobiological safety of lamps and lamp systems" and in application of the European Directive 2006/25 on the minimum health and safety requirements regarding the exposure of workers to risks arising from physical agents (artificial optical radiation).*


Operating electric conditions	220 – 240V 50/60Hz
Not adjustable	
Lamp not suitable for use under moisture	
Average lifetime L70, F50	30.000 hours
Starting time	< 0.4s
Lamp Lumen Maintenance Factor @6000h	0.80
Lamp Lumen Maintenance Factor @30.000h	70% (L70)
Number of Switching cycles before failure	> 15.000
Warm-up time (to 95% of the steady-state lumen output)	< 2.0s
Failure rate @1000h	< 5.0%
Colour consistency	MacAdam ellipses step ≤ 6
Mercury and dangerous substances	Absent
UV and IR radiation	Absent

	<b>Spectral Power Distribution 180-800nm</b>
<b>2700K</b> F 2700 827/359	
<b>4000K</b> F 4000 840/359	
<b>6500K</b> F 6500 865/359	

Reference Standards: EN62560; EN62612; EN62493; EN62471; EN55015; EN61000-3-2; EN61000-3-3; EN61547

**European Directives and Regulations:**

2014/35; 2014/30; 92/31; 93/68; 2009/125 (Reg.no.1194/2012; Reg.no.244/09; no.1428/2015); 2012/27 (Reg.no.874/2012; no.1369/2017); 2011/65; 2012/19

	<p><b>Correct disposal of this product</b>                      (Waste Electrical &amp; Electronic Equipment)                      Applicable in countries with separate collection systems</p> <p>This graphic symbol placed on the product and on the package indicates that the product should not be disposed with other household waste. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and responsibly recycle them to promote the sustainable reuse of material resources.                      Household users should contact either the retailer where they purchased the product, or their local government office, for details on where and how they can take these items for environmentally safe recycling.                      Business users should contact their supplier and check the terms and conditions of the purchase contract; this product should not be mixed with other commercial wastes for disposal.</p>
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