



## SELFBALLAST LED LAMPS FOR MAINS VOLTAGE

### GLS HP **DECORLED**

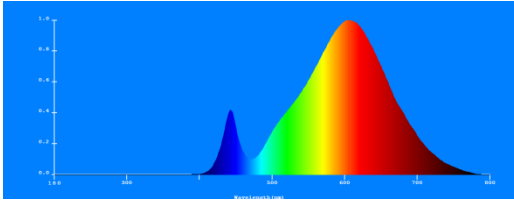
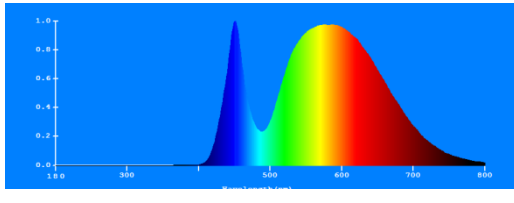
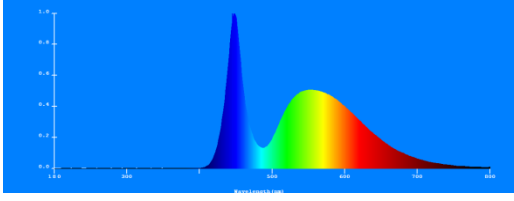
9W A60	11W A60	15W A65	
			  
Length = 108 $\pm 4$ mm Diameter = 60 $\pm 1$ mm	Length = 110 $\pm 5$ mm Diameter = 60 $\pm 1$ mm	Length = 130 $\pm 2$ mm Diameter = 66 $\pm 1$ mm	

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)
FLLS1040S	9	70	>0.5	800	88.9	60	A+	9	E27	2700	>80	53±7
FLLS1042S	9	70	>0.5	800	88.9	60	A+	9	E27	4000	>80	53±7
FLLS104ES	9	70	>0.5	830	92.2	62	A+	9	E27	6500	>80	53±7
FLSD040S	11	90	>0.5	1050	95.5	75	A+	11	E27	2700	>80	60
FLSD042S	11	90	>0.5	1050	95.5	75	A+	11	E27	4000	>80	60
FLSD04ES	11	90	>0.5	1100	100	78	A+	11	E27	6500	>80	60
FLLS8040S	15	120	>0.5	1340	89.3	91	A+	15	E27	2700	>80	88±7
FLLS8042S	15	120	>0.5	1340	89.3	91	A+	15	E27	4000	>80	88±7
FLLS804ES	15	120	>0.5	1400	93.3	94	A+	15	E27	6500	>80	88±7


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
Lamp Survival Factor @6000h	0.90
Lamp Lumen Maintenance Factor @6000h	0.80
Lamp Lumen Maintenance Factor @30.000h	70% (L70)
Starting time	< 0.4s
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

(\*) After 30.000 hours, the luminous flux is at least the 70% of the initial flux and the 50% of the lamps are still functioning.

<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; IEC/TR62471-2; EN55015; EN61000-3-2; EN61000-3-3; EN61547  
 European Directives: 2014/35; 2014/30; 92/31; 93/68; 2009/125 (Reg.no.1194/2012; no.244/09; no.1428/2015); 2010/30 (Reg.no.874/2012); 2012/27; 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.</p> <p>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.</p> <p>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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