

SELFBALLAST LED LAMPS FOR MAINS VOLTAGE



PAR16 GU10 7W dimmable

ECO BRIGHT NEROLUME

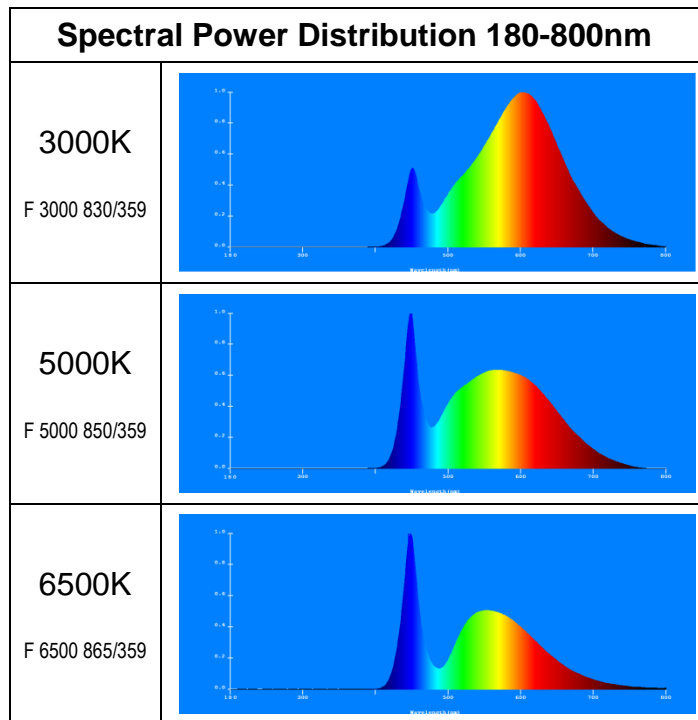
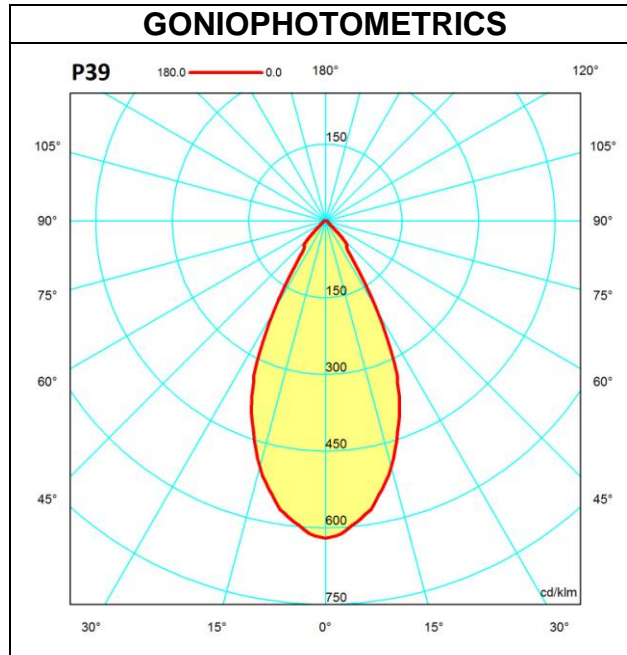


Item code	P _{nom} (W)	T _c (K)	Cap	I (mA)	PF	Total Flux (lm)	Useful Flux (lm)	lm/W	Equiv.hal PAR16 power (W)	Energy Class	Ec (kWh/1000h)	Axis Cd	Beam	R _a	Weight (g)
FLLN50CA9-R	7	3000	GU10	45	>0.55	570	400	57.1	58	A	7	350	60°	≥80	53
FLLN50CD9-R	7	5000	GU10	45	>0.55	590	415	59.3	60	A	7	360	60°	≥80	53
FLLN50CE9-R	7	6500	GU10	45	>0.55	610	430	61.4	62	A+	7	370	60°	≥80	53


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	230 - 240V 50/60Hz
Adjustable 	10-100% by common dimmers for filament lamps for mains voltage, like Relco RTM34SVI, RT34DLI or similar
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 luminous 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.



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.1428/2015); 2010/30 (Reg.no.874/2012); 2012/27; 2011/65; 2012/19

	<p>Correct disposal of this product (Waste Electrical & 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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