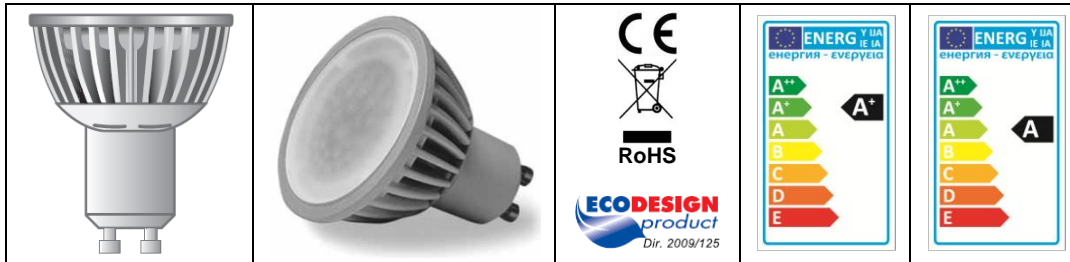





SELFBALLAST LED LAMPS FOR MAINS VOLTAGE PAR16 GU10 **OEM** **LED**



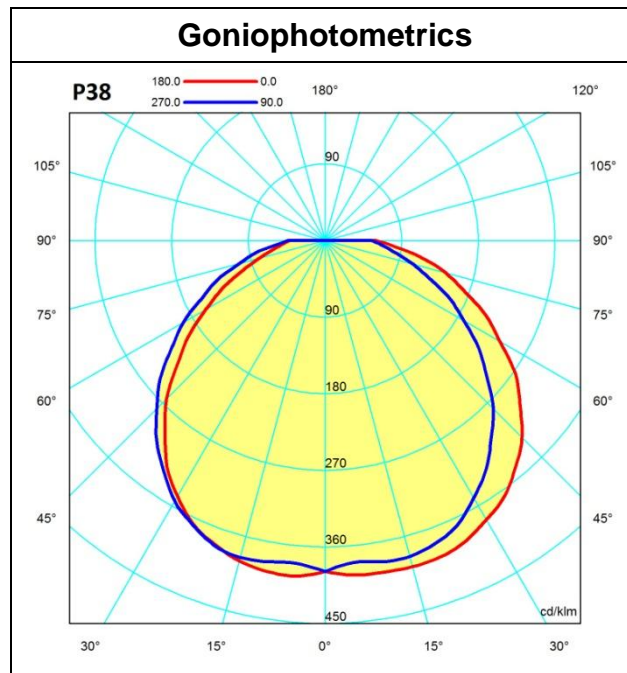
External Length = 56 ± 2 mm; External Diameter = 50 ± 1 mm

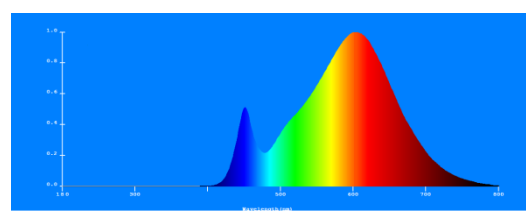
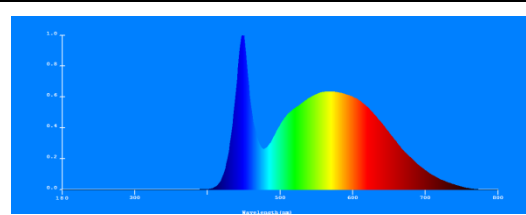
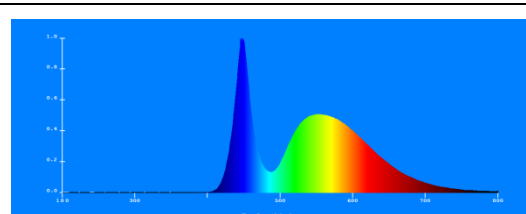
Item code	P _{nom} (W)	T _c (K)	Cap	I (mA)	PF	Total Flux (lm)	Useful Flux (lm)	lm/W	Equivalent hal PAR16 power (W)	Energy Class	Ec (kWh/1000h)	Axis cd	Beam	Weight (g)
FLLN20CAC-M	4	3000	GU10	40	>0.4	270	190	47.5	31	A	4	105	110°	48
FLLN20CDC-M	4	5000	GU10	40	>0.4	300	210	52.5	33	A+	4	120	110°	48
FLLN20CEC-M	4	6500	GU10	40	>0.4	320	230	57.5	35	A+	4	130	110°	48
FLLN40CAC-M	6	3000	GU10	55	>0.5	410	330	55	49	A	6	200	110°	48
FLLN40CDC-M	6	5000	GU10	55	>0.5	420	350	58.3	51	A+	6	210	110°	48
FLLN40CEC-M	6	6500	GU10	55	>0.5	430	360	60	52	A+	6	220	110°	48

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	4W: 230 - 240V 50/60Hz 6W: 220 - 240V 50/60Hz
Not adjustable	
Lamp not suitable for use under moisture	
R _a	> 80
Lamp not suitable for accent lighting	
Average lifetime L70, F50 (*)	20.000 hours
Lamp Survival Factor @6000h	0.90
Lamp Lumen Maintenance Factor @6000h	0.80
Lamp Lumen Maintenance Factor @20.000h	70% (L70)
Starting time	< 0.4s
Number of switching cycles before failure	> 10.000
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 20.000 hours, the luminous flux is at least the 70% of the initial flux and the 50% of the lamps are still functioning.



Spectral Power Distribution 180-800nm	
3000K F 3000 830/359	
5000K F 5000 850/359	
6500K 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.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 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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