

Neonlite	Engineering Specifications of Energy Saving LED Reflector lamp				Edition:	11/Apr/2019	
Part No.	Model No.	Rating	Cap	Color Temp.	Life	Remark1	Remark2
TBA	LR057055/dm-HRv00-WF	230V 5.5W	GU10	2800	25,000		
TBA	LR057055/dm-HRv00-WF	230V 5.5W	GU10	4000	25,000		
TBA	LR057055/dm-HRv00-WF	230V 5.5W	GU10	6500	25,000		

1 General Data

1.1	Rated Voltage [V]	220-240		
1.2	Wide Voltage Range[V]	220-240		
1.3	Surge Voltage [V]	500		
1.4	Frequency [Hz]	50		
1.5	Lamp Wattage [W]	5.5		
1.6	Lamp Current [mA]	35		
1.7	Power Factor	>0.7		
1.8	Dimmable[N/Y]	Y		
1.9	Outdoor Use[N/Y]	N		
1.10	DC 230V Input [N/Y]	TBA		
1.11	Operating Temp [°C]	-30 to +45		

2 Light Data [Initial]

2.1	Lux distribution [lux]	TBA		
2.2	Max.luminous Intensity[cd]	900		
2.3	Beam Angle[°]	36		
2.4	Total lumen[lm]	500	500	500
2.5	90° Useful Lumen [lm]	430	430	430
2.6	120° Useful Lumen [lm]	N/A	N/A	N/A
2.7	Color Temperature [K]	2800	4000	6500
2.8	SDCM	≤6	≤6	≤6
2.9	Color Rendering Index	80	80	80
2.10	Energy class	A+		
2.11	Weighted energy consumption	6		
2.12	Equivalence Wattage(W)	>50		
2.13	Lamp Efficacy	91		
2.14	LLMF	0.7		
2.15	Warm Up Time 60% [sec]	Instant full light		
2.16	Starting Time [sec]	<0.5		
2.17	Warning for lamp >90 deg	N		

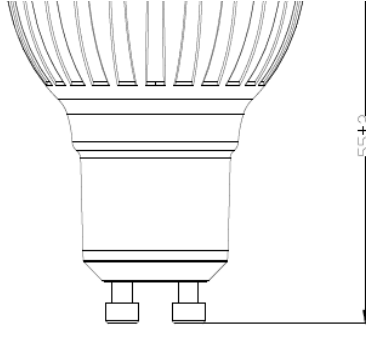
3 Life Time [at 230V, lot size min. 20 units]

3.1	Life Time at 230V, 25°C [h]	25,000		
3.2	Switching cycle up to 50% failure (30s on, 30s off) [cycles]	>100,000		

4 Geometrical Data

4.1	Diameter (R) [mm]	50±0.5		
4.2	Diagonal(D) [mm]	N/A		
4.3	Width(W) [mm]	N/A		



4.4	Height(H)[mm]		N/A	
4.5	Length (L) [mm]		55±2	
4.6	Weight [g]		33±5%	
4.7	Base		GU10	
4.8	RoHS		Compliant	
4.9	Color of plastic component		Grey	
4.10	Cover finish		Clear	
4.11	Flammability of plastic component		≥V2	
5	Technical Data			
5.1	Safety Requirement		according to IEC/EN 62560 according to IEC/EN 62493	
5.2	Photobiological Safety		according to IEC/EN62471	
5.3	Performance Requirement	according to ERP 1194 according to IEC 62612		
5.4	EMC Requirement	according to EN 55015 according to IEC/EN 61547 according to IEC/EN 61000-3-2 according to IEC/EN 61000-3-3		
5.5	Approvals	CE		
5.6	Lamp cap twist safe[Nm]	N/A		

Prepared by (Engineer)	Checked by (Project Manager)	Approved by (R&D Manager)
Date:	Date:	Date:
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