

Neonlite	Engineering Specifications of Energy Saving LED Reflector lamp				Edition:1 Nov 2010		
					For Customer Reference		
Part No.	Model No.	Rating	Cap	Color Temp.	Life	Remark1	Remark2
955140205AH	LG0105	230V,5W	E14	2700K	30,000		
955140305AH	LG0105	230V,5W	E14	4000K	30,000		

1 General Data

1.1	Rated Voltage [V]	220~240
1.2	Wide Voltage Range[V]	180~260
1.3	Surge Voltage [V]	500
1.4	Frequency [Hz]	50/60
1.5	Operating frequency [KHz]	>40
1.6	Lamp Wattage [W]	5.0(+10%/-20%)
1.7	Lamp Current [mA]	43
1.8	Power Factor	≥0.50

2 Light Data [Initial]

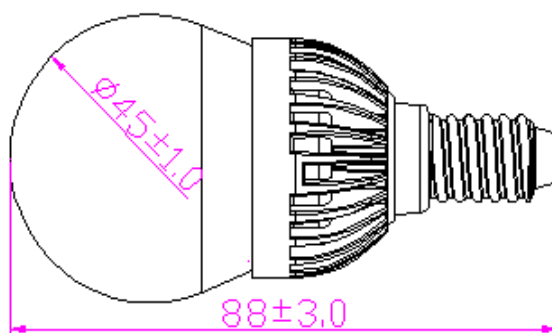
2.1	Lux distribution [lux]	see the attachment	
2.2	Equivalent Lumen Output[lm]	220	220
2.3	Color Temperature [K]	2700	4000
2.4	Energy Label	A	A
2.5	Comparison Wattage	22W Incandescent (Candle Shape)	
2.6	Color Rendering Index	80	80
2.7	Operating temperature range[°C]	-30 to +40	
2.8	Projected Lumen Maintenance @ 30,000 hours [%]	90	

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

3.1	Life Time at 230V, 25°C [h]	30,000
3.2	Switching cycle up to 50% failure (30s on, 30s off) [cycles]	>1000,000

4 Geometrical Data

4.1	LED Number	3.0
4.2	Diameter (D) [mm]	88±3.0
4.3	Length (L) [mm]	45±1.0
4.4	Weight [g]	53±5
4.5	Base	E14 Plastic
4.6	RoHS	Compliant



5 Technical Data

5.1	Safety Requirement	according to IEC/EN60968 according to IEC/EN62031
5.2	Photobiological Safety	according to IEC/EN62471
5.3	Performance Requirement	according to IEC/EN60969
5.4	EMC Requirement	according to IEC/EN55015 according to IEC/EN61547 according to IEC/EN61000-3-3 according to IEC/EN61000-3-3

5.5	Approvals	CE
5.6	Color of plastic component	Grey
5.7	Bulb cover finish	Clear Glass-Smooth
5.8	Flammability of plastic component	94-HB
5.9	Lamp cap twist safe[Nm]	1.15

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