Neonlite	Engineering Specifications of Energy Saving LED Reflector lamp				Edition:	29-Oct-2014	
					For Customer Reference		
Part No.	Model No.	Rating	Cap	Color Temp.	Life	Remark1	Remark2
9559200B1AW	LR4204.5-35H24D	230V 4.5W	GU10	2800	25,000		
9559210B1AW	LR4204.5-35H24D	230V 4.5W	GU10	4000	25,000		

1 General Data

1.1	Rated Voltage [V]	220–240
1.2	Wide Voltage Range [V]	180–240
1.3	Surge Voltage [V]	500
1.4	Frequency [Hz]	50
1.5	Operating frequency [Hz]	100
1.6	Lamp Wattage [W]	4.5
1.7	Lamp Current [mA]	49
1.8	Power Factor	>0.4
1.9	Dimmable [N/Y]	N
1.10	Outdoor Use [N/Y]	N
1.11	DC 230V Input [N/Y]	N
1.12	Operating Temp [℃]	−30 to+40

2 Light Data [Initial]

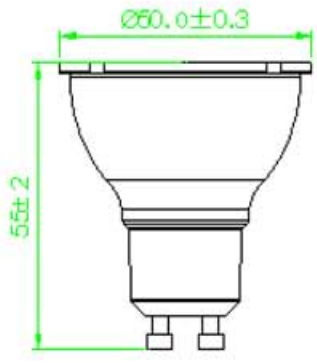|			
2.1	Lux distribution [lux]	see the attachment	
2.2	Max.luminous Intensity[cd]	1300	1300
2.3	Beam Angle[°]	24	24
2.4	Total lumen [lm]	240	240
2.5	Useful Lumen [lm]	210	210
2.6	Color Temperature [K]	2800	4000
2.7	SDCM	≤6	≤6
2.8	Color Rendering Index	82	85
2.9	Energy class	A	
2.10	Weighted energy consumption	5	
2.11	Equivalence Wattage	35	
2.12	Lamp Efficacy	53	
2.13	LLMF	0.9	
2.14	Warm Up Time 60% [sec]	Instant full light	
2.15	Starting Time [sec]	<0.5	
2.16	Warning for lamp >90 deg	N	

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

3.1	Life Time at 230V, 25℃ [h]	25,000
3.2	Switching cycle up to 50% failure (30s on, 30s off) [cycles]	>1,000,000

4 Geometrical Data

4.1	Diameter (R) [mm]	50±0.3
4.2	Diagonal(D) [mm]	N/A
4.3	Width(W) [mm]	N/A

lightplus
A bright vision on light

4.4	Height(H)［mm］	N/A
4.5	Length (L) [mm]	55±2.0
4.6	Weight [g]	43±5%
4.7	Base	GU10
4.8	RoHS	Compliant
4.9	Color of plastic component	Silver
4.10	Cover finish	Clear
4.11	Flammability of plastic component	94-HB
5	**Technical Data**	
5.1	Safety Requirement	according to IEC/EN62560
		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]	2

Ø50.0±0.3

55±2

LR4204.5-35H24D

m	Lux	φ cm
0.5	5200	21
1	1300	43
1.5	578	64
2	325	85

Beam angle 24°
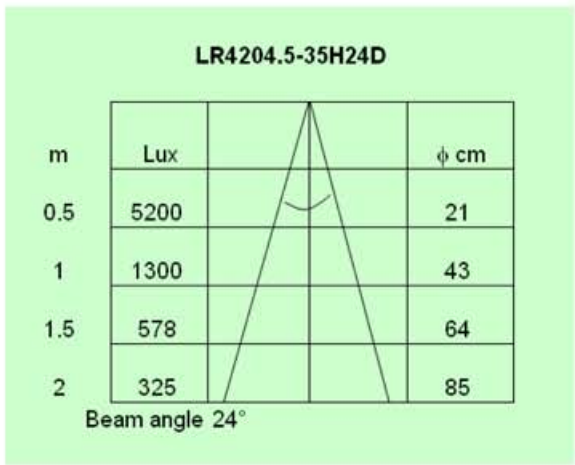
Prepared by (Engineer)	Checked by (Project Manager)	Approved by (R&D Manager)
黄小灿、张品良		肖丽华
Date: 29-Oct-2014	Date: 29-Oct-2014	Date: 29-Oct-2014
Page 2 of 2	Superseded spec. dated:	Second edition

lightplus
A bright vision on light