

Neonlite	Engineering Specifications of Energy Saving LED Reflector lamp				Edition:	24/Jun/2019	
Part No.	Model No.	Rating	Cap	Color Temp.	Life	Remark1	Remark2
t.b.c	LR211052/dm/db-HRv00-2B	230V 5.2W	GU10	2800	25,000		
t.b.c	LR211052/dm/db-HRv00-2B	230V 5.2W	GU10	4000	25,000		
t.b.c	LR211052/dm/db-HRv00-2B	230V 5.2W	GU10	6500	25,000		

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 [Hz]	>40K
1.6	Lamp Wattage [W]	5.2
1.7	Lamp Current [mA]	32
1.8	Power Factor	>0.7
1.9	Dimmable[N/Y]	Y
1.10	Outdoor Use[N/Y]	N
1.11	DC 230V Input [N/Y]	N
1.12	Operating Temp [°C]	-30 to+40

2 Light Data [Initial]

2.1	Lux distribution [lux]	see the attachment	
2.2	Max.luminous Intensity[cd]	900/420	
2.3	Beam Angle[°]	40/60	
2.4	Total lumen[lm]	420	420
2.5	90° Useful Lumen [lm]	390	390
2.6	120° Useful Lumen [lm]	N/A	N/A
2.7	Color Temperature [K]	2800	4000
2.8	SDCM	≤6	≤6
2.9	Color Rendering Index	80	80
2.10	Energy class	A+	
2.11	Weighted energy consumption	6	
2.12	Equivalence Wattage(W)	>50	
2.13	Lamp Efficacy	81	
2.14	LLMF	0.9	
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	
2.18	Inrush current Ipeak(A)	0.980	
2.19	Inrush current Twidth(μs)	40.00	
2.20	Percentage Flicker(%)	<30	
2.21	EEL	0.14	

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]

>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

4.4 Height(H)[mm]

N/A

4.5 Length (L) [mm]

56±3.0

4.6 Weight [g]

45±5%

4.7 Base

GU10

4.8 RoHS

Compliant

4.9 Color of plastic component

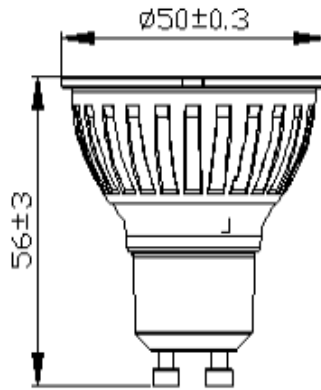
Grey

4.10 Cover finish

Clear

4.11 Flammability of plastic component

94-HB



5 Technical Data

5.1 Safety Requirement

according to IEC/EN 62560

5.2 Photobiological Safety

according to IEC/EN 62493

5.3 Performance Requirement

according to IEC/EN62471

5.4 EMC Requirement

according to ERP 1194

according to IEC 62612

according to EN 55015

according to IEC/EN 61547

according to IEC/EN 61000-3-2

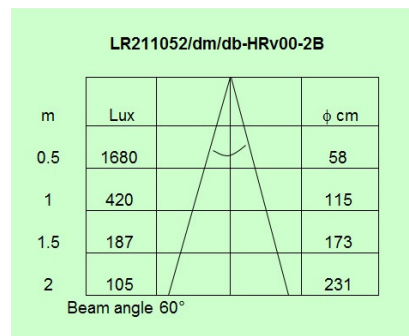
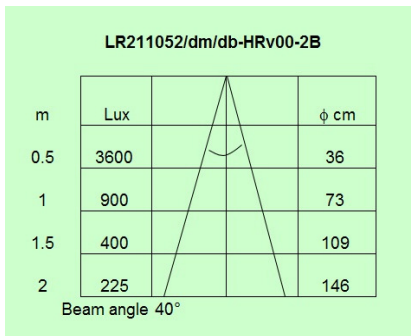
according to IEC/EN 61000-3-3

5.5 Approvals

CE

5.6 Lamp cap twist safe[Nm]

2



Prepared by (Engineer)	Checked by (Project Manager)	Approved by (R&D Manager)
Date: 24/Jun/2019	Date: 24/Jun/2019	Date: 24/Jun/2019
Page 2 of 2	Superseded spec. dated:	Second edition