

0hr HOUR RESULTS

	Lp. #	Volts	Amps	Watts	pf (≥.7)	0hr Hr. Lumens	CCT	CRI (≥80)	R9 (>0)	Sph Temp	x Value	y Value	u' Value	v' Value	Duv	7-Step Color Compliance	LPW (>50)
Base Up	P-50304-1	120.0	0.061	6.5	0.880	500	2714	82.6	17.9	24.5	0.4580	0.4090	0.2620	0.5265	-0.0004	PASS	77.2
	P-50304-2	120.0	0.062	6.5	0.881	503	2729	82.8	18.8	24.8	0.4567	0.4086	0.2614	0.5261	-0.0005	PASS	77.2
	P-50304-3	120.0	0.061	6.5	0.884	497	2819	82.8	18.9	24.8	0.4485	0.4047	0.2578	0.5234	-0.0012	PASS	76.6
	P-50304-4	120.0	0.062	6.5	0.881	493	2783	82.8	18.6	24.7	0.4519	0.4067	0.2591	0.5246	-0.0007	PASS	75.6
	P-50304-5	120.0	0.062	6.5	0.880	503	2762	82.9	18.9	24.8	0.4534	0.4068	0.2601	0.5249	-0.0008	PASS	77.4

	Lp. #	Volts	Amps	Watts	pf (≥.7)	0hr Hr. Lumens	CCT	CRI (≥80)	R9 (>0)	Sph Temp	x Value	y Value	u' Value	v' Value	Duv	7-Step Color Compliance	LPW (>50)
Base Down	P-50304-6	120.0	0.061	6.5	0.881	494	2724	82.8	18.3	24.7	0.4581	0.4104	0.2614	0.5270	0.0001	PASS	76.3
	P-50304-7	120.0	0.062	6.5	0.883	471	2811	83.1	19.4	24.5	0.4515	0.4093	0.2576	0.5256	0.0003	PASS	72.3
	P-50304-8	120.0	0.062	6.6	0.883	497	2779	82.7	17.9	24.6	0.4537	0.4093	0.2591	0.5259	0.0001	PASS	75.5
	P-50304-9	120.0	0.061	6.5	0.883	492	2793	82.8	18.4	24.5	0.4519	0.4079	0.2586	0.5251	-0.0003	PASS	75.8
	P-50304-10	120.0	0.062	6.5	0.880	502	2785	82.9	19.3	24.9	0.4508	0.4048	0.2592	0.5238	-0.0014	PASS	77.0
Grand AVG.		119.97	0.0616	6.51	0.881	495	2770	83	19	24.7	0.4535	0.4078	0.2596	0.5253	-0.0005		76.1
Compliance					Complies	TBD	Complies	Complies	Complies						Complies	Complies	Complies

LUMEN & COLOR MAINTENANCE

LIFE TESTING

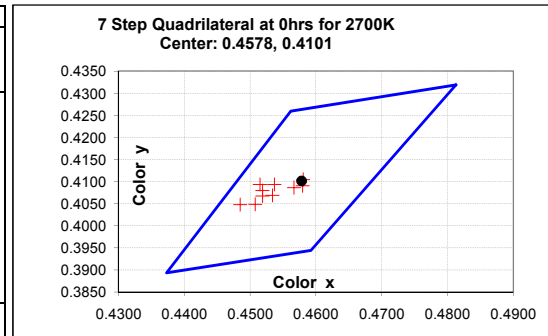
	Date:	N-N													N-N		
	Lp. #	1000 Hr. Lumens	1000 Hr. Lumen Maint.	1000 Hr. u' Color Maint.	1000 Hr. v' Color Maint.	3000 Hr. Lumens	3000 Hr. Lumen Maint.	3000 Hr. u' Color Maint.	3000 Hr. v' Color Maint.	6000 Hr. Lumens	6000 Hr. Lumen Maint.	6000 Hr. u' Color Maint.	6000 Hr. v' Color Maint.	N-N	N-N	Failure before 6000hours	Failure before Rated Life
Base Up	P-50304-1																
	P-50304-2																
	P-50304-3																
	P-50304-4																
	P-50304-5																
Base Down	P-50304-6																
	P-50304-7																
	P-50304-8																
	P-50304-9																
	P-50304-10																
Grand AVG.																	
Compliance		TBD	TBD	TBD		TBD	TBD	TBD		TBD	TBD	TBD		TBD			

Date:	
Lp. #	* Transient Protection PASS/FAIL
T-50304-1	
T-50304-2	
T-50304-3	
T-50304-4	
T-50304-5	
Compliance	TBD

Date:	
Lp. #	* Ballast Freq (≥120 Hz)
N-N	
Compliance	

Date:	
Lp. #	* Noise (dbA)
N-N	

Date:	
Lp. #	Rapid Cycles Endured
R-50304-1	
R-50304-2	
R-50304-3	
R-50304-4	
R-50304-5	
R-50304-6	
R-50304-7	
R-50304-8	
R-50304-9	
R-50304-10	
Compliance	TBD



Technician: Lin Shuangyan

Date: 2013-06-20

Reviewed by: Liao Bingjing

Date: 2013-06-24

* THIS REPORT CONTAINS DATA THAT IS NOT COVERED BY THE NVLAP ACCREDITATION

No.61, Kaijiang Road(E) Sijing Songjiang Shanghai Tel: (86-21) 57613930 Fax: (86-21) 57619961

TEST REPORT

PO Number:LED0304

Model Number:LED7A19D27K

Light Intensity & Color Distribution Tests

Electrical Characteristics:

LP#	Volt	Ampere	pf	Watts
D-50304-01	120.0	0.0614	0.877	6.5

Zonal Lumen Flux:

γ angle (°)	Φ zonal(lm)	Φ Cumulative(lm)	% Cumulative Lumen
0-5	1	1.4	0.3%
5-10	4	5.5	1.1%
10-15	7	12.2	2.5%
15-20	9	21.6	4.4%
20-25	12	33.6	6.9%
25-30	14	47.9	9.8%
30-35	17	64.4	13.2%
35-40	19	83.1	17.0%
40-45	20	103.5	21.2%
45-50	22	125.5	25.8%
50-55	23	148.8	30.5%
55-60	24	173.1	35.5%
60-65	25	198.0	40.6%
65-70	25	223.2	45.8%
70-75	25	248.3	51.0%
75-80	25	273.1	56.1%
80-85	24	297.2	61.0%
85-90	23	320.4	65.8%
90-95	22	342.4	70.3%
95-100	21	363.0	74.5%
100-105	19	382.1	78.4%
105-110	17	399.5	82.0%
110-115	16	415.3	85.2%
115-120	14	429.2	88.1%
120-125	12	441.4	90.6%
125-130	10	451.8	92.7%
130-135	9	460.6	94.5%
135-140	7	467.8	96.0%
140-145	6	473.7	97.2%
145-150	5	478.2	98.2%
150-155	3	481.7	98.9%
155-160	3	484.2	99.4%
160-165	2	486.0	99.7%
165-170	1	487.0	100.0%
170-175	0	487.2	100.0%
175-180	0	487.2	100.0%

This Report shall not be reproduced in part or in full, without written approval of the Aurora International Testing Laboratory:Shanghai. The reports are submitted for exclusive use of the customers to whom they are addressed. Nothing from these reports or the use of the Aurora International Testing Laboratory:Shanghai's name is permitted except as expressly authorized by the Aurora International Testing Laboratory:Shanghai.

TEST REPORT

PO Number:LED0304

Model Number:LED7A19D27K

Light Intensity & Color Distribution Tests

Ominidirectional Lamps

Test Results:

Maximum difference in Luminous Intensity for the entire 0° to 135° Zone (vertically axially symmetrical)

The mean luminous intensity for the entire 0° to 135° zone(cd):

Maximum difference in luminous Intensity for the entire 0° to 135° Zone:

Energy Star Integral LED lamps Specification V1.4:[Shall not differ from the mean luminous intensity for the entire 0° to 135° zone by more than 20%.](#)

Complies / Does not comply:

Luminous flux % within the 135° to 180° zone of total luminous flux (vertically axially symmetrical)

Luminous flux within the 135° to 180° Zone-Φ1(lumens):

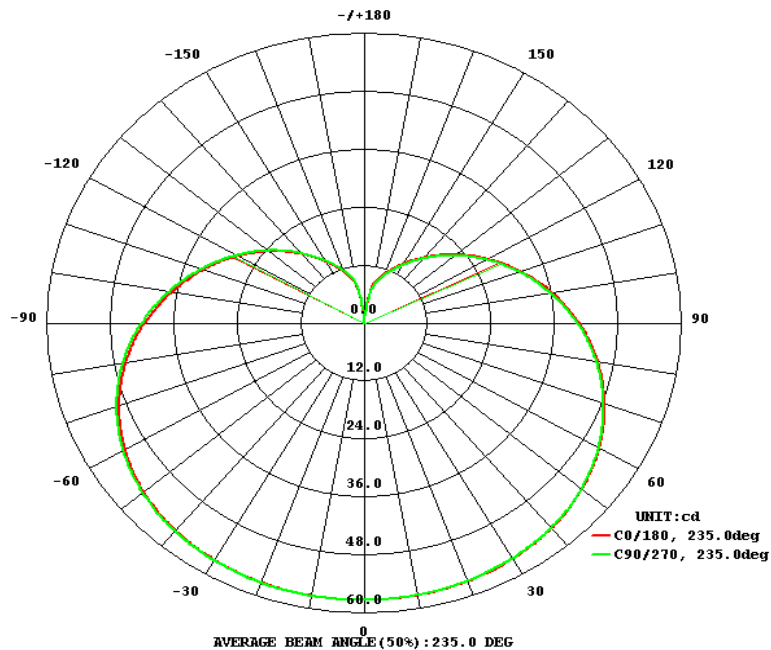
Total luminous flux-Φ(lumens):

Luminous flux % within the 135° to 180° zone of total luminous flux-Φ1/Φ(%):

Energy Star Integral LED lamps Specification V1.4:[At least 5% of total flux \(lumens\) must be emitted in the 135°-180° zone](#)

Complies/ Does not Comply:

Light Distribution Polar Diagram:



This Report shall not be reproduced in part or in full, without written approval of the Aurora International Testing Laboratory:Shanghai. The reports are submitted for exclusive use of the customers to whom they are addressed. Nothing from these reports or the use of the Aurora International Testing Laboratory:Shanghai's name is permitted except as expressly authorized by the Aurora International Testing Laboratory:Shanghai.