



Product Specification

Document No.:

Version: A0

Page: 1/2

model no. **PLT-50334 & PLT-50335**

1. DESCRIPTION:

LAMP TYPE:	Linear T8 LED
LAMP CLASSIFIED:	Type B, Single&Double Ended, G2
BASE TYPE:	G13 (Medium Bi-pin)
EQUIVALENT	/
WATTAGE:	25W
CCT:	3000K*,3500K*,4000K,5000K,6500K*
DIFFUSER TYPE:	PET coated glass tube
WARRANTY:	5 YEARS



2. PRODUCT FEATURES

Replacement for conventional fluorescent lamp
120-277Vac input
UL (R/C and Classified) & DLC qualified
Full glass housing: no aging, no yellowing, no bending
Environmentally friendly: no mercury

Suitable for dry and damp locations

Suitable for open fixtures

*Alternate CCTs available via special order. Call 1-800-624-4488.

3. PERFORMANCE (If no specified, the test conditions in below items are: Ta=25°C±1°C, RH≤65%, air free.)

3.1 Electrical Characteristics

PARAMETERS	SYMBOL	MIN	RATED	MAX	UNIT	Test Condition
Input voltage	Vin	108	120/277	305	V	/
Frequency	f	--	50/60	--	Hz	/
Rated system power	P	22.5	25.0	27.5	W	Vin=120,277Vac
Power factor	PF	0.873	0.9	--	/	Vin=120,277Vac
Total Harmonic Distortion	THD	--	20%	25%	/	Vin=120,277Vac meet DLC
Starting time	t	--	--	1	s	Vin=120,277Vac
Flicker Percent	/	--	--	--	/	/

3.2 Photometrical Characteristics

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PARAMETERS	SYMBOL	MIN	RATED	MAX	UNIT	Test Condition
Beam Angle	Θ 50%	--	120	--	°	
Flux @<4000K	Φ	2700	3000	--	LM	Vin=120,277Vac
Flux @≥4000K		2700	3000	--		
System efficacy@<4000K	η	116.4	120	--	LM/W	
System efficacy@≥4000K		116.4	120	--		

3.3 Color Characteristics (refer to ANSI C78.377-2017)

Chromaticity coordinates

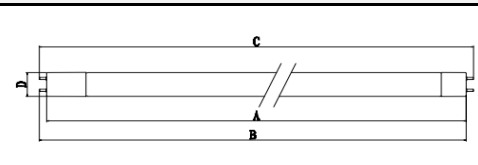
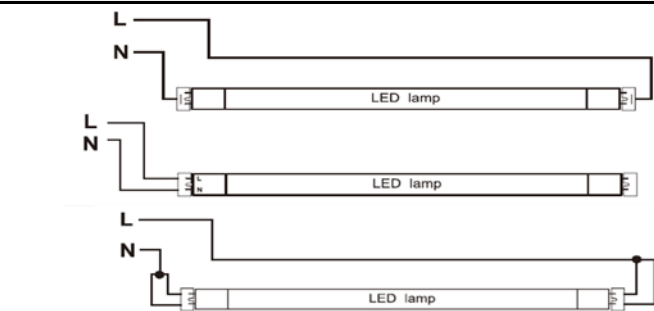
CENTER POINT	CCT=3000K	X=0.4339 Y=0.4033	/
	CCT=3500K	X=0.4078 Y=0.3930	
	CCT=4000K	X=0.3818 Y=0.3797	
	CCT=5000K	X=0.3446 Y=0.3551	
	CCT=6500K	X=0.3123 Y=0.3283	

PARAMETER	SYMBOL	MIN	RATED	MAX	Unit	Test Condition
Color Render Index	Ra	80	82	--	/	/
R9	R9	0	--	--		
Color tolerance	/	--	--	5	SDCM	

4. LUMEN MAINTENANCE & LIFE

PARAMETERS	SYMBOL	MIN	RATED	MAX	UNIT	Test Condition
Lumen Maintenance at 6000hrs	/	--	95.8%	--	/	/
Life	t	--	50000	--	Hrs	Ta=45C, air free
Warranty	/	--	5	--	Year	Ta=45C, air free



Product Specification					Document No.:	
					Version: A0	
					Page: 2/2	
model no.	L8L1 BPMFH G2 25W A8xxE3000 4F 01					
5. OPERATION TEMPERATURE & STORAGE TEMPERATURE						
PARAMETERS	SYMBOL	MIN	RATED	MAX	UNIT	Test Condition
Ambient Temperature	T _A	-20	--	45	°C	/
Storage Temperature	T _{st}	-40	--	70		/
6. COMPATIBILITY						
Compatible emergency driver: PLTS-20117						
7. APPROBATION COMPLIANCE						
UL1993&UL1598C, FCC part 15 class B, RoHS compliance, NSF, DLC 5.1 Standard						
8. DIMENSIONS						
	SYMBOL	MIN	TYP	MAX	UNIT	
	A	/	--	1199.4	mm	
	B	1204.0	--	1206.5	mm	
	C	1210.8	--	1213.6	mm	
	D	25.0	--	27.9	mm	
9. Connection & Wiring						
WIRING DIAGRAM				WIRING ILLUSTRATION		
				/		

Performance Summary

SKU	Wattage	Lumens	LPW	CCT	Beam Angle	Length	DLC #	DLC Level
PLT-50334	25W	3000	120	4000K	170°	4'	PLTSP362141	5.1 Standard
PLT-50335	25W	3000	120	5000K	170°	4'	PLTSP362151	5.1 Standard