



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	V _{in}	108	120/277	305	V	/
Frequency	f	--	50/60	--	Hz	/
Rated system power	P	22.5	25.0	27.5	W	V _{in} =120,277Vac
Power factor	PF	0.873	0.9	--	/	V _{in} =120,277Vac
Total Harmonic Distortion	THD	--	20%	25%	/	V _{in} =120,277Vac meet DLC
Starting time	t	--	--	1	s	V _{in} =120,277Vac
Flicker Percent	/	--	--	--	/	/
Dimming Type	/	Dimming Mate				

3.2 Photometrical Characteristics

PARAMETERS	SYMBOL	MIN	RATED	MAX	UNIT	Test Condition
Beam Angle	∅ 50%	--	120	--	°	
Flux @ <4000K	Φ	2700	3000	--	LM	V _{in} =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	R _a	80	82	--	/	/
R ₉	R ₉	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

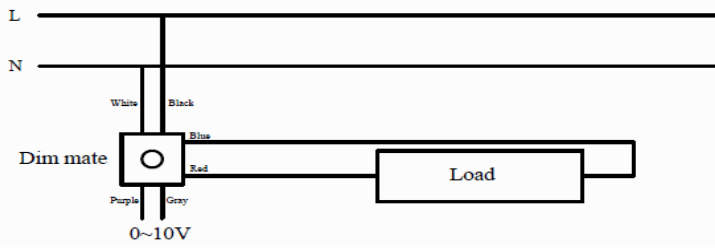
	SYMBOL	MIN	TYP	MAX	UNIT
	A	/	--	1199.4	mm
	B	1204.0	--	1206.5	mm
	C	1210.8	--	1213.6	mm
	D	25.0	--	27.9	mm

9. Connection & Wiring

WIRING DIAGRAM	WIRING ILLUSTRATION
	/

10. Dimming Operation

0-10V dimming only when paired with Dimming Mate (available via Special Order). Call 1-800-624-4488 for more information. Refer to the wiring diagram below:



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