



Product Specification

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model no. **PLT-50399, PLT-50400, PLT-50401, PLT-50402**

1. DESCRIPTION:

LAMP TYPE:	PLED
LAMP CLASSIFIED:	Type A, Gen2
BASE TYPE:	GX23-2
EQUIVALENT	7 to 9W
WATTAGE:	5W
CCT:	2700K,3000K,3500K,4000K,5000K*
DIFFUSER TYPE:	Glass
WARRANTY:	5 YEARS



Suitable for dry and damp locations
Suitable for open fixtures
Vertical burn position only.

**5000K version available via special order.
Call 1-800-624-4488.*

2. PRODUCT FEATURES

Direct Replacement for conventional fluorescent lamp

UL Listed

Environmentally friendly: no mercury

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
Rated Power per lamp (Bare)	Plamp	6.3	7.0	7.7	W	Vin=120,277Vac
Lamp voltage	Vlamp	--	120	--	V	/
Input voltage	U	108	120/277	305	V	/
Frequency	f	--	50/60	--	Hz	/
Power factor	PF	0.873	0.9	--	/	Vin=120,277Vac
Total Harmonic Distortion	THD	--	20%	25%	/	Vin=120,277Vac
Starting time	t	--	--	2	s	Vin=120,277Vac
Flicker Percent	/	--	--	--	/	/
Dimming Type	/	Non-dimmable				

3.2 Photometrical Characteristics

PARAMETERS	SYMBOL	MIN	RATED	MAX	UNIT	Test Condition
Beam Angle	/	--	120	--	°	
Flux @2700K	Φ	468	520	--	LM	Vin=120,277Vac
Flux @3000K/3500K		495	550	--		
Flux @4000K/5000K		522	580	--		
Lamp efficacy@2700K	ηlamp	66.9	104	--	LM/W	
Lamp efficacy@3000K/3500K		70.7	110	--		
Lamp efficacy@4000K/5000K		74.6	116	--		

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

Chromaticity coordinates

CENTER POINT	CCT=2700K	X=0.4578	Y=0.4101
	CCT=3000K	X=0.4338	Y=0.4030
	CCT=3500K	X=0.4073	Y=0.3917
	CCT=4000K	X=0.3818	Y=0.3797
	CCT=5000K	X=0.3447	Y=0.3553



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PARAMETER	SYMBOL	MIN	RATED	MAX	Unit	Test Condition
Color Render Index	Ra	80	82	--	/	/
R9	R9	0	12	--		
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

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	--	85		/

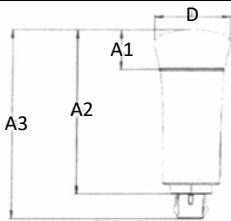
6. COMPATIBILITY

Compatible with magnetic ballasts, see Compatible Ballasts section for full list.

7. APPROBATION COMPLIANCE

Comply with UL 1993, UL8750, FCC, NSF

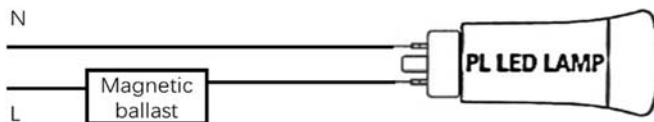
8. DIMENSIONS



SYMBOL	MIN	TYP	MAX	UNIT
A1	23.8	--	25.4	mm
A2	100.6	--	102.6	mm
A3	116.6	--	118.6	mm
D	45.4	--	46.0	mm

9. Connection & Wiring

WIRING DIAGRAM | WIRING ILLUSTRATION



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SKUs:

PLT-50399 - 5W, 520 Lumens, 104 LPW, 2700K

PLT-50400 - 5W, 550 Lumens, 110 LPW, 3000K

PLT-50401 - 5W, 550 Lumens, 110 LPW, 3500K

PLT-50402 - 5W, 580 Lumens, 116 LPW, 4000K

