



# Product Specification

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model no. **PLT-50395, PLT-50396, PLT-50397, PLT-50398**

## 1. DESCRIPTION:

LAMP TYPE:	PLED
LAMP CLASSIFIED:	Type A, Gen2
BASE TYPE:	GX23-2
EQUIVALENT	13W
WATTAGE:	5W
CCT:	2700K,3000K,3500K,4000K,5000K*
DIFFUSER TYPE:	Glass
WARRANTY:	5 YEARS



## 2. PRODUCT FEATURES

Direct Replacement for conventional fluorescent lamp

UL Listed

270 degree rotatable cap

Environmentally friendly: no mercury

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

*\*5000K version 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
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 <sub>A</sub>	-20	--	45	°C	/
Storage Temperature	T <sub>st</sub>	-40	--	85		/

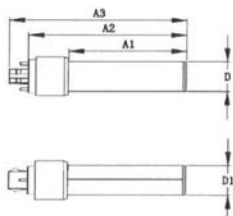
#### 6. COMPATIBILITY

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

#### 7. APPROBATION COMPLIANCE

Comply with UL 1993, UL8750, FCC, NSF

#### 8. DIMENSIONS

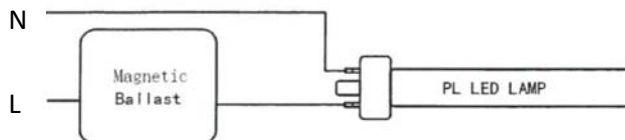


SYMBOL	MIN	TYP	MAX	UNIT
A1	90.5	--	92.5	mm
A2	120.9	--	123.9	mm
A3	135.9	--	138.9	mm
D	26.7	--	27.3	mm
D1	26.5	--	27.5	mm

#### 9. Connection & Wiring

WIRING DIAGRAM

WIRING ILLUSTRATION



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#### SKUs:

PLT-50395 - 5W, 520 Lumens, 104 LPW, 2700K

PLT-50396 - 5W, 550 Lumens, 110 LPW, 3000K

PLT-50397 - 5W, 550 Lumens, 110 LPW, 3500K

PLT-50398 - 5W, 580 Lumens, 116 LPW, 4000K

