



Product Specification

Document No.:

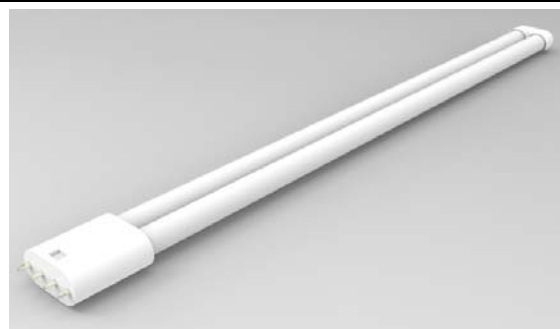
Version: A0

Page: 1/2

model no. **PLT-50378**

1. DESCRIPTION:

LAMP TYPE:	PLL
LAMP CLASSIFIED:	Type B, Gen1
BASE TYPE:	2G11
EQUIVALENT	/
WATTAGE:	23W
CCT:	2700K*,3000K*,3500K*,4000K*, 5000K*,6500K
DIFFUSER TYPE:	Internal coated glass tube
WARRANTY:	5 YEARS



2. PRODUCT FEATURES

Replacement for conventional fluorescent lamp
Direct wire, 120-277Vac input
UL (RC and Classified) qualified
Full glass housing: no aging, no yellowing, no bending
Environmentally friendly: no mercury

Suitable for dry and damp locations
Suitable for enclosed fixtures
Horizontal burn position

**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	-10%	23.0	+10%	W	Vin=120,277Vac
Power factor	PF	-3%	0.9	--	/	Vin=120,277Vac
Total Harmonic Distortion	THD	--	20%	+5%	/	Vin=120,277Vac
Starting time	t	--	--	1	s	Vin=120,277Vac
Flicker Percent	/	--	--	--	/	/
Dimming Type	/	0-10V Continuous dimming with DimmingMate (not available)				

3.2 Photometrical Characteristics

PARAMETERS	SYMBOL	MIN	RATED	MAX	UNIT	Test Condition
Beam Angle	/	--	140	--	°	Vin=120,277Vac
Flux @<4000K	Φ	-10%	2600	--	LM	
Flux @≥4000K		-10%	2800	--		
System efficacy@<4000K	η	-10%	113	--	LM/W	
System efficacy@≥4000K		-10%	122	--		

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=0.4339 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	12	--		
Color tolerance	/	--	--	5	SDCM	

model no.

PLT-50378

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

	N/A
--	-----

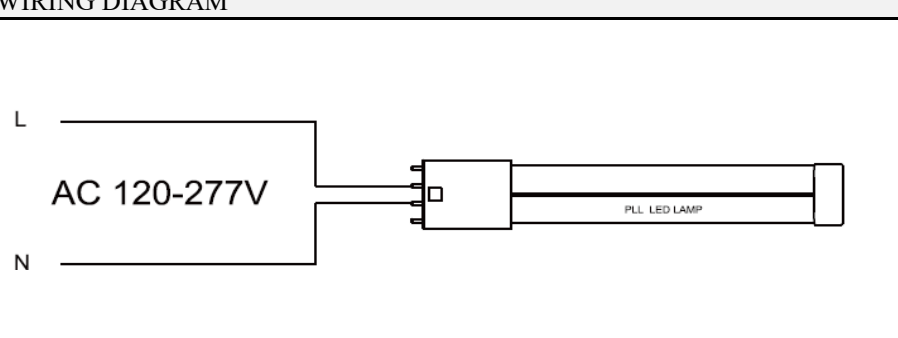
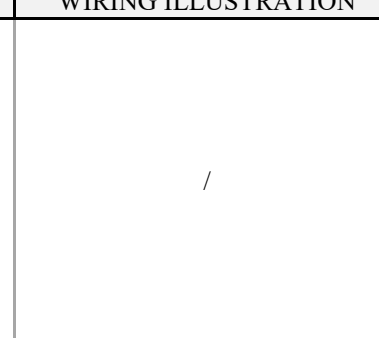
7. APPROBATION COMPLIANCE

UL1993&UL1598C, FCC part 15 ClassB, RoHS compliance, NSF

8. DIMENSIONS

	SYMBOL	MIN	TYP	MAX	UNIT
	A	556.0	--	564.0	mm
	B	563.0	--	571.0	mm
	C	37.5	--	39.4	mm
	D	17.1	--	17.8	mm

9. Connection & Wiring

WIRING DIAGRAM	WIRING ILLUSTRATION
 The diagram shows an AC power source labeled "AC 120-277V" with two output lines, "L" (Line) and "N" (Neutral). These lines are connected to a square symbol representing a switch or control unit. This unit is then connected to a cylindrical component labeled "PLL LED LAMP".	 The illustration shows a single vertical line with a horizontal slash (/) across it, indicating a connection point or a specific wiring configuration.

10. SKU

PLT-50378 - 23W, 2800 Lumens, 122 LPWs, 6500K