



Product Specification

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model no. **PLT-50411, PLT-50412, PLT-50413, PLT-50414, PLT-50415**

1. DESCRIPTION:

LAMP TYPE:	PLED
LAMP CLASSIFIED:	Type A, Gen2
BASE TYPE:	G24q(Four Pin-Base)
EQUIVALENT	FSM-26-E-GX24q=3
WATTAGE:	16W
CCT:	2700K,3000K,3500K,4000K, 5000K,6500K*
DIFFUSER TYPE:	Glass
WARRANTY:	5 YEARS



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

2. PRODUCT FEATURES

Direct Replacement for conventional fluorescent lamp
UL (Listed)
270 degree rotatable cap
Environmentally friendly: no mercury

*6500K 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	-10%	16.0	+10%	W	Vin=120,277Vac
Rated Power per lamp	Psys	-10%	18.5	+10%	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	-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 by Super selected dimmer				

3.2 Photometrical Characteristics

PARAMETERS	SYMBOL	MIN	RATED	MAX	UNIT	Test Condition
Beam Angle	/	--	120	--	°	
Flux @2700K	Φ	-10%	1650	--	LM	Vin=120,277Vac
Flux @3000K/3500K		-10%	1750	--		
Flux @≥4000K		-10%	1850	--		
Lamp efficacy@2700K	ηlamp	-10%	103	--	LM/W	
Lamp efficacy@3000K/3500K		-10%	109	--		
Lamp efficacy@≥4000K		-10%	116	--		
System efficacy@2700K	ηsys	-10%	89	--	LM/W	
System efficacy@3000K/3500K		-10%	95	--		
System efficacy@≥4000K		-10%	100	--		

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	
	CCT=6500K	X=0.3123 Y=0.3283	



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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		/

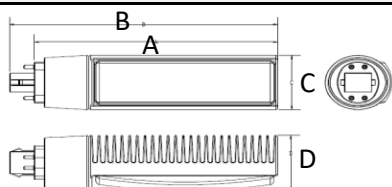
6. COMPATIBILITY

Compatible with mainstream market Instant Start, Programmed Start and Rapid Start electronic Ballast. See Compatible Ballast section for full list.

7. APPROBATION COMPLIANCE

UL1993, FCC part 18 no-consumer, RoHS compliance, NSF

8. DIMENSIONS



SYMBOL	MIN	TYP	MAX	UNIT
A	146.0	--	150.0	mm
B	161.0	--	165.0	mm
C	39.0	--	41.0	mm
D	41.0	--	43.0	mm

9. Connection & Wiring

WIRING DIAGRAM	WIRING ILLUSTRATION
	/

10. SKUs

PLT-50411 -- 16W, 1650 Lumens, 103 LPW, 2700K
PLT-50412 -- 16W, 1750 Lumens, 109 LPW, 3000K
PLT-50413 -- 16W, 1750 Lumens, 109 LPW, 3500K
PLT-50414 -- 16W, 1850 Lumens, 116 LPW, 4000K
PLT-50415 -- 16W, 1850 Lumens, 116 LPW, 5000K

Compatible Ballast List (Dimming)

NC	Incompatible	P	PF <0.85
N	Acoustic noise >20	T	THD >30%
S	Can't start-up	C	Compatible
F	Flicker after >2s	/	Not tested
HT	High temperature	NA	Not applicable

Dimming Ballast

No	Ballast No	Ballast Brand	Part Number	Start Method	# of Lamp	BF		Lamp Connection	调光深度	
						Type	Value		N-1Lamp	NLamp
1	PL-82	Philips-Advance	ZT-2S26-M5-LD	DPS	2	/	/	Series	8.0%	10.0%

Compatible Ballast List (Non-Dimming)

NC	Incompatible	P	PF <0.85
N	Acoustic noise >20	T	THD >30%
S	Can't start-up	C	Compatible
F	Flicker after >2s	/	Not tested
HT	High temperature	NA	Not applicable

Ballast Description

No	Ballast No	Ballast Brand	Part Number	Start Method	# of Lamps	Target Replacement Lamp Type	Lamp Connection	N-1 Lamp		N Lamp					
								12V	27V	12V	27V				
1	PL-3	SUNPARK	U-226PS-W	PS	1	26W*2 ; 26W*1 ; 32W*1 ; 42W*1	n. a	NA	NA	C	C				
2	PL-10	OSRAM SYLVANIA	QTP 2×26/32/42CFUNV DM PL	PS	2	26W*2 ; 32W*2 ; 42W*2	Series	F	F	C	C				
3	PL-19	HOWARD INDUSTRIES	EP2/42CF/MV/2	PS	2	2 ; 26W*1 ; 32W*2 ; 32W*1 ; 42W*2 ; 42W*1	Series	S	S	S	S				
4	PL-29	ProLume	EP2CF26PS/MV/DC/K	PS	1	26W*2 ; 26W*1 ; 32W*1 ; 42W*1	n. a	NA	NA	S	S				
5	PL-39	Philips-Advance	ICF-2S42-M2-LD	PS	2	26W*2 ; 32W*2 ; 42W*2	Series	C	P	C	C				
6	PL-42	Universal Lighting Techn	C2642UNVME	PS	1	26W*2 ; 26W*1 ; 32W*1 ; 42W*1	n. a	NA	NA	C	C				
7	PL-43	HATCH	HC242PS/UV/D	PS	2	26W*2 ; 32W*2 ; 42W*2	Series	S	S	S	S				
8	PL-44	AC ELECTRONICS	CSS-UV42PS	PS	1	26W*2 ; 26W*1 ; 32W*1 ; 42W*1	n. a	NA	NA	C	C				
9	PL-45	AC ELECTRONICS	CSD-UV42PS	PS	2	2 ; 26W*1 ; 32W*2 ; 32W*1 ; 42W*2 ; 42W*1	Series	C	C	C	C				
10	PL-47	Philips-Advance	ICF-2S26-M1-BS	PS	1	26W*2 ; 26W*1 ; 32W*1 ; 42W*1	n. a	NA	NA	C	C				
11	PL-48	KEYSTONE	KTEB-242-UV-RS-DW	RS	2	2 ; 26W*1 ; 32W*2 ; 32W*1 ; 42W*2 ; 42W*1	Series	S	S	S	S				
12	PL-50	KEYSTONE	KTEB-226-UV-RS-DW	RS	1	26W*2 ; 26W*1 ; 32W*1 ; 42W*1	n. a	NA	NA	C	C				
13	PL-51	KEYSTONE	KTEB-226-UV-PS-DW	PS	1	26W*2 ; 26W*1 ; 32W*1 ; 42W*1	n. a	NA	NA	S	S				
14	PL-55	OSRAM SYLVANIA	QTP 2×26CF/UNV DM	PS	1	26W*2 ; 26W*1 ; 32W*1 ; 42W*1	n. a	NA	NA	C	C				
15	PL-56	OSRAM SYLVANIA	QTP 2×26/32/42CFUNV DM	PS	2	26W*2 ; 32W*2 ; 42W*2	Series	S	S	F	F				
16	PL-75	Fulham	RHA-UNV-242-C	PS	2	26W*2 ; 32W*2 ; 42W*1 ; 42W*2	Series	S	S	S	S				
17	PL-88	Universal Lighting Techn	C2642UNVBE	PS	1	26W*1 ; 26W*2 ; 32W*1 ; 42W*1	n. a	NA	NA	N	N				
18	PL-91	Philips-Advance	RCF-2S26-M1-LS-QS	RS	1	26W*1 ; 26W*2 ; 32W*1 ; 42W*1	n. a	NA	NA	C	C				