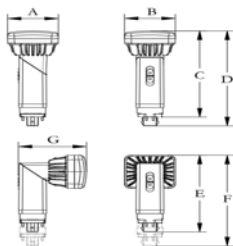
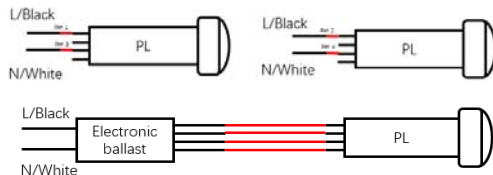


PLT Product Specification and Ballast Compatibility				Document No.:			
				Version: A0			
				Page: 1/3			
model no.		PLT-50313					
1. DESCRIPTION:							
LAMP TYPE:		PLED					
LAMP CLASSIFIED:		Type A+B, Gen1					
BASE TYPE:		G24Q					
EQUIVALENT		26W					
WATTAGE:		9W					
CCT:		2700K,3000K,3500K,4000K,5000K					
DIFFUSER TYPE:		AL+PC					
WARRANTY:		5 YEARS					
2. PRODUCT FEATURES							
Direct Replacement for conventional fluorescent lamp							
UL (Listed); DLC 5.1 Standard - PLTSPG1361							
compatible for both direct ballast and bypass applications							
Environmentally friendly: no mercury							
5 Color temperature selectable							
Horizontal or vertical selectable							
3. PERFORMANCE (If no specified, the test conditions in below items are: Ta=25℃±1℃, RH≤65%, air free.)							
3.1 Electrical Characteristics							
PARAMETERS		SYMBOL	MIN	RATED	MAX	UNIT Test Condition	
Rated Power per lamp (Bare)		Plamp	8.1	9.0	9.9	W Vin=120,277Vac	
Rated Power per lamp (System)		Psys	10.8	12	13.2	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	--	--	1	s Vin=120,277Vac	
Flicker Percent		/	--	--	--	/ /	
Dimming Type		/	Type A: Depend on ballast				
3.2 Photometrical Characteristics							
PARAMETERS		SYMBOL	MIN	RATED	MAX	UNIT Test Condition	
Beam Angle		Θ 10%	--	200	--	° IES	
Flux @<4000K		Φ	945	1050	--	lm	
Flux @≥4000K			990	1100	--		
Lamp efficacy@3000K/3500K		η	105.5	117	--	lm/W	
Lamp efficacy@≥4000K			110.5	122	--		
System efficacy@3000K/3500K		ηsys	79.1	88	--	lm/W	
System efficacy@≥4000K			82.9	92	--		
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			
PARAMETER		SYMBOL	MIN	RATED	MAX	Unit Test Condition	
Color Render Index		Ra	80	82	--	/	/
R9		R9	0	12	--		
Color tolerance 2700K/5000K		/	--	--	5	SDCM	
Color tolerance 3000K/3500K/4000K		/	--	--	7	SDCM	

<

PLT Product Specification and Ballast Compatibility				Document No.:		
				Version: A0		
				Page: 2/3		
model no.		PLT-50313				
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 PLT Solutions PLTS-20116 and PLTS-20117 emergency drivers.						
Compatible with mainstream market Instant Start, Programmed Start and Rapid Start electronic Ballast or directly connect with the mains. See Page 3 for list of compatible ballasts.						
7. APPROBATION COMPLIANCE						
UL1993&UL1598C, FCC part 15 class B (BP) & FCC Part 18 Non-Consumer (DR) , RoHS compliance						
8. DIMENSIONS						
		Referenced standard	Dimension	Min	Max	Unit
		ANSI C78.901	A	2.34	2.38	in
			B	2.34	2.38	in
			C	6.10	6.14	in
			D	6.73	6.77	in
			E	5.43	5.35	in
			F	6.43	6.47	in
			G	3.13	3.17	in
		Cap	G24Q			
9. Connection & Wiring						
WIRING DIAGRAM				WIRING ILLUSTRATION		
				/		

G24q PL Compatible Ballast List

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

No	Ballast No.	Ballast Brand	Part Number	Start Method	# of Lamps	Target Replacement Lamp Type	Lamp Connection	DR PL-9W			
								N-1 Lamp		N Lamp	
								120	277	120	277
1	PL-3	SUNPARK	U-226PS-W	PS	2	26W*2; 26W*1; 32W*1; 42W*1	Series	C	C	C	C
2	PL-10	OSRAM SYLVANIA	QTP 2×26/32/42CFUNV DM PEM	PS	2	26W*2; 32W*2; 42W*2	Series	NA	NA	C	C
4	PL-13	ESPEN	VE126120MR	PS	1	26W*1	n.a	NA	NA	P,T	NA
10	PL-34	Fulham (PONY)	NPY-120-126CFL	RS	1	26W*1; 32W*1	n.a	NA	NA	P,T	NA
11	PL-35	Fulham(WORKHORSE)	WH3-120-C	IS	1	18W*2; 26W*1; 32W*1	Parallel	NA	NA	C	NA
13	PL-39	Philips-Advance	ICF-2S42-M2-LD	PS	2	26W*2; 32W*2; 42W*2	Series	NA	NA	C	P
14	PL-40	Philips-Advance	ICF-2S26-H1-LD	PS	2	26W*2; 26W*1	Series	C	C	C	C
15	PL-42	Universal Lighting Technologies	C2642UNVME	PS	2	26W*2; 26W*1; 32W*1; 42W*1	Series	C	C	C	C
17	PL-44	AC ELECTRONICS	CSS-UV42PS	PS	2	26W*2; 26W*1; 32W*1; 42W*1	Series	C	C	C	C
18	PL-45	AC ELECTRONICS	CSD-UV42PS	PS	2	26W*2; 26W*1; 32W*2; 32W*1; 42W*2; 42W*1	Series	C	P,T	C	C
20	PL-47	Philips-Advance	ICF-2S26-M1-BS	PS	2	26W*2; 26W*1; 32W*1; 42W*1	Series	C	C	C	C
22	PL-50	KEYSTONE	KTEB-226-UV-RS-DW	RS	2	26W*2; 26W*1; 32W*1; 42W*1	Series	NC	NC	C	C
24	PL-52	KEYSTONE	KTEB-218-UV-RS-DW	RS	1	18W*2; 18W*1; 26W*1	Series	NA	NA	C	C
26	PL-55	OSRAM SYLVANIA	QTP 2×26CF/UNV DM	PS	2	26W*2; 26W*1; 32W*1; 42W*1	Series	C	C	C	C
27	PL-56	OSRAM SYLVANIA	QTP 2×26/32/42CFUNV DM	PS	2	26W*2; 32W*2; 42W*2	Series	NA	NA	C	C
29	PL-58	Fulham	WH3-120-L	IS	2	26W*2; 32W*1; 42W*1	Parallel	NA	NA	T	NA
38	PL-75	Fulham	RHA-UNV-242-C	PS	2	26W*2; 32W*2; 42W*2; 42W*1	Series	NA	NA	C	P
39	PL-76	Fulham	WH2-120-C	IS	1	13W*2; 13W*1; 18W*2; 18W*1; 26W*1	Parallel	NA	NA	T	NA
42	PL-88	Universal Lighting Technologies	C2642UNVBE	PS	2	26W*2; 26W*1; 32W*1; 42W*1	Series	C	C	C	C
43	PL-91	Philips-Advance	RCF-2S26-M1-LS-QS	RS	2	26W*2; 26W*1; 32W*1; 42W*1	Series	C	NA	C	NA
45	PL-201	Fulham (PONY)	NPY-120-226CFL	RS	2	26W*2	Series	NA	NA	P,T	NA
46	PL-202	MOTORALA	M2-CF-26-B-S-277	RS	2	26W*2	Series	NA	NA	NA	C
47	PL-210	Fulham	WH3-277-BLS	IS	2	26W*2	Series	NA	T	NA	T
48	PL-211	OSRAM SYLVANIA	QTP 2×26CF/UNV BS	PS	2	26W*2	Series	C	C	NA	C

Note:Some ballasts have different versions,please check before use.