



Product Specification

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model no. **T804003**E**

1. DESCRIPTION:

LAMP TYPE:	Linear T8LED
LAMP CLASSIFIED:	Type A+ Type B (single ended & double ended), Gen3
BASE TYPE:	G13 (Medium Bi-pin)
EQUIVALENT	F25T8 (4ft), F28T8 (4ft) F30T8 (4ft), F32T8 (4ft)
WATTAGE:	12W
CCT:	3000K,3500K,4000K,5000K
DIFFUSER TYPE:	Internal coated glass tube
WARRANTY:	5 YEARS



Suitable for dry and damp locations
Suitable for open and enclosed fixtures

2. PRODUCT FEATURES

Replacement for conventional fluorescent lamp
UL (Listed and Classified) &DLC qualified
Full glass housing: no aging, no yellowing, no bending
Environmentally friendly: no mercury

3. PERFORMANCE (If no specified, the test conditions in below items are: Ta=25°C±5°C, RH≤65%, air free)

3.1 Electrical Characteristics

PARAMETERS	SYMBOL	MIN	RATED	MAX	UNIT	Test Condition
3.1.1 Type A: Test for ballast Sylvania QTP 2×32T8/UNV ISN-SC with 2-lamp						
Line voltage	V _{in}	108	120~277	305	V	/
Frequency	f	--	50/60	--	Hz	/
Rated system power	P	-10%	15.0	+10%	W	V _{in} =120,277Vac
Power factor	PF	0.9	--	--	/	V _{in} =120,277Vac
Total Harmonic Distortion	THD	--	20%	--	/	V _{in} =120,277Vac meet DLC
Starting time	t	--	--	1	s	V _{in} =120,277Vac
Dimming Type	/	non-dimmable				

3.1.2 Type B: Directly connect with the mains

Line voltage	V _{in}	108	120~277	305	V	/
Frequency	f	--	50/60	--	Hz	/
Rated power	P	-10%	12.0	+10%	W	V _{in} =120,277Vac
Power factor	PF	0.9	--	--	/	V _{in} =120,277Vac
Total Harmonic Distortion	THD	--	20%	--	/	V _{in} =120,277Vac meet DLC
Starting time	t	--	--	1	s	V _{in} =120,277Vac
Dimming Type	/	non-dimmable				

3.2 Photometrical Characteristics

PARAMETERS	SYMBOL	MIN	RATED	MAX	UNIT	Test Condition
Flux @<4000K	Φ	-10%	1700	--	LM	V _{in} =120,277Vac
Flux @≥4000K		-10%	1800	--		

3.2.1 Type A: Test for ballast Sylvania QTP 2×32T8/UNV ISN-SC with 2-lamp

System efficacy@<4000K	η	-10%	113	--	LM/W	V _{in} =120,277Vac
System efficacy@≥4000K		-10%	120	--		

3.2.2 Type B: Directly connect with the mains

Efficacy @<4000K	η	-10%	142	--	LM/W	V _{in} =120,277Vac
Efficacy @≥4000K		-10%	150	--		

3.3 Color Characteristics (refer to ANSI C78.377-2015)

Chromaticity coordinates

CENTER POINT	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	



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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		/

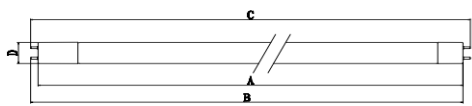
6. COMPATIBILITY

Compatible with mainstream market instant start ballasts(In Type A mode)

7. APPROBATION COMPLIANCE

UL1993&UL1598C、DLC4.3、FCC part 15 class B、RoHS compliance

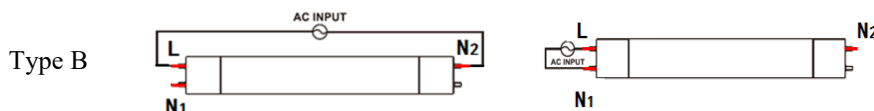
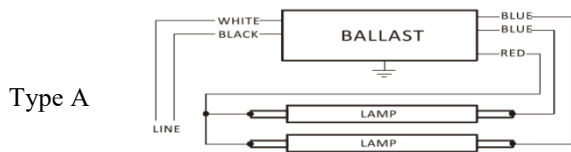
8. DIMENSIONS



SYMBOL	MIN	TYP	MAX	UNIT
A	/	--	1199.4	mm
B	1204.0	--	1206.5	mm
C	1210.8	--	1213.6	mm
D	25.0	--	26.0	mm

9. Connection & Wiring

WIRING DIAGRAM



WIRING ILLUSTRATION

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10. PART NUMBER

Famliy	Length	Rank Code	Material	CCT
T8-T8 Tube	04-4ft	003-15W	Blank-Glass	30E-3000K
				35E-3500K
				41E-4000K
				50E-5000K