

model no. 7050005 (3.000K), 7050006 (3.500K), 7050007 (4.000K), 7050008 (5.000K)

1. DESCRIPTION:

LAMP TYPE:	Linear T8LED
LAMP CLASSIFIED:	Type A, G9
BASE TYPE:	G13 (Medium Bi-pin)
EQUIVALENT	F25T8 (4ft), F28T8 (4ft), F30T8 (4ft), F32T8 (4ft)
WATTAGE:	14W
CCT:	3000K,3500K,4000K,5000K
DIFFUSER TYPE:	Internal coated glass tube
WARRANTY:	10 YEARS



2. PRODUCT FEATURES

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

Suitable for dry and damp locations
Suitable for open fixtures

3. PERFORMANCE (If no specified, the test conditions in below items are: Ta=25°C±1°C, RH≤65%, air free.)

Driven by ballast Sylvania QTP 2×32T8/UNV ISN-SC with 2-lamp)

3.1 Electrical Characteristics

PARAMETERS	SYMBOL	MIN	RATED	MAX	UNIT	Test Condition
Line voltage	V _{in}	--	120/277	--	V	/
Frequency	f	--	50/60	--	Hz	/
Rated system power	P	-10%	16.0	+10%	W	V _{in} =120,277Vac
Power factor	PF	0.9	--	--	/	V _{in} =120,277Vac
Total Harmonic Distortion	THD	--	20%	+5%	/	V _{in} =120,277Vac meet DLC
Starting time	t	--	--	1	s	V _{in} =120,277Vac
Flicker Percent	/	--	--	--	/	/

3.2 Photometrical Characteristics

PARAMETERS	SYMBOL	MIN	RATED	MAX	UNIT	Test Condition
Beam Angle	/	--	210	--	°	V _{in} =120,277Vac
Flux @ <4000K	Φ	-10%	2200	--	LM	V _{in} =120,277Vac
Flux @ ≥4000K		-10%	2200	--		
System efficacy@<	η	-10%	138	--	LM/W	
System efficacy@≥		-10%	138	--		

3.3 Color Characteristics (refer to ANSI C78.377-2017)

Chromaticity coordinates

PARAMETER	SYMBOL	MIN	RATED	MAX	Unit	Test Condition
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				

PARAMETER	SYMBOL	MIN	RATED	MAX	Unit	Test Condition
Color Render Index	R _a	80	82	--	/	/
R9	R9	0	12	--		
Color tolerance	/	--	--	5	SDCM	

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4. LUMEN MAINTENANCE & LIFE

PARAMETERS	SYMBOL	MIN	RATED	MAX	UNIT	Test Condition
Lumen Maintenance at 6000hrs	/	--	95.8%	--	/	/
Life	t	--	100.000	--	Hrs	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		/

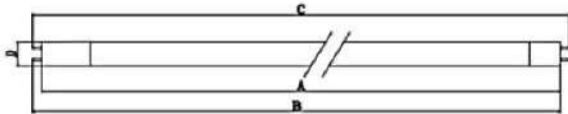
6. COMPATIBILITY

Compatible with instant electronic ballasts and select program start electronic ballasts.

7. APPROBATION COMPLIANCE

UL1993,FCC part 18 no-consumer,DLC 5.1,RoHS compliance,NSF

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

