

model no. T8L-IDFH13-1800-4ft-XBA-7x (Double Ended)
1. DESCRIPTION:

LAMP TYPE:	Linear T8LED
LAMP CLASSIFIED:	Type B, Double Ended, Gen2
BASE TYPE:	G13 (Medium Bi-pin)
EQUIVALENT	/
WATTAGE:	12W
CCT:	3000K,3500K,4000K,5000K,6500
DIFFUSER TYPE:	Internal coated glass tube
WARRANTY:	5 YEARS


2. PRODUCT FEATURES

Replacement for conventional fluorescent lamp

Direct wire, 120-277Vac input

UL (R/C and Classified) & DLC qualified

Full glass housing: no aging, no yellowing, no bending

Environmentally friendly: no mercury

Suitable for dry and damp locations

Suitable for open and enclosed fixtures

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
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
Flicker Percent	/	--	--	--	/	/
Dimming Type	/	0-10V Continuous dimming by Super selected dimmer				

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	--		
Efficacy @ <4000K	η	-10%	142	--	LM/W	
Efficacy @ ≥4000K		-10%	150	--		

3.3 Color Characteristics (refer to ANSI C78.377-2015)
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				
	CCT=6500K	X=0.3123 Y=0.3283				

PARAMETER	SYMBOL	MIN	RATED	MAX	Unit	Test Condition
Color Render Index	R _a	80	82	--	/	/
R ₉	R ₉	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	--	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		/

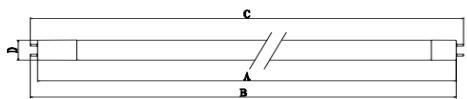
6. COMPATIBILITY

Compatible with Super Lighting's emergency driver.

7. APPROBATION COMPLIANCE

UL1993&UL1598C,FCC part 15 class B,DLC 5.1,RoHS compliance,NSF

8. DIMENSIONS

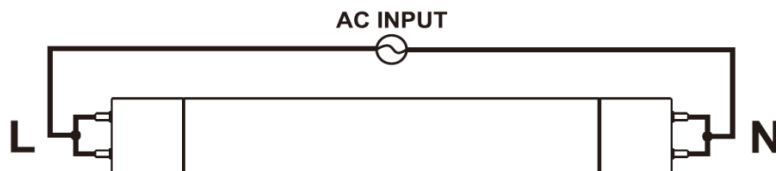


SYMBOL	MIN	TYP	MAX	UNIT
A	/	--	1199.4	mm
B	1204.0	--	1206.5	mm
C	1210.8	--	1213.6	mm
D	25.0	--	26.0	mm

9. Connection & Wiring

WIRING DIAGRAM

WIRING ILLUSTRATION



10. PART NUMBER

T8L-IDFH13-1800-4ft-XBA-7x

Linear T8
Type B premium
1800lm @4000K
internal coated glass tube