

**model no.** 7050001 (3.000K), 7050002 (3.500K), 7050003 (4.000K), 7050004 (5.000K)

## 1. DESCRIPTION:

LAMP TYPE:	Linear T8LED
LAMP CLASSIFIED:	Type B, Single&Double Ended,
BASE TYPE:	G13 (Medium Bi-pin)
EQUIVALENT	/
WATTAGE:	15W
CCT:	3000K,3500K,4000K,5000K
DIFFUSER TYPE:	Internal coated glass tube
WARRANTY:	10 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 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 <sub>in</sub>	108	120/277	305	V	/
Frequency	f	--	50/60	--	Hz	/
Rated Power	P	-10%	15.0	+10%	W	V <sub>in</sub> =120,277Vac
Power factor	PF	-3%	0.9	--	/	V <sub>in</sub> =120,277Vac
Total Harmonic Distortion	THD	--	20%	+5%	/	V <sub>in</sub> =120,277Vac meet DLC
Starting time	t	--	--	1	s	V <sub>in</sub> =120,277Vac
Flicker Percent	/	--	--	--	/	/
Dimming Type	/			--		

### 3.2 Photometrical Characteristics

PARAMETERS	SYMBOL	MIN	RATED	MAX	UNIT	Test Condition
Beam Angle	/	--	210	--	°	V <sub>in</sub> =120,277Vac
Flux (@<4000K)	Φ	-10%	2100	--	LM	V <sub>in</sub> =120,277Vac
Flux (@≥4000K)		-10%	2200	--		
Efficacy (@<4000K)	η	-10%	140	--	LM/W	
Efficacy (@≥4000K)		-10%	147	--		

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

#### 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	

PARAMETER	SYMBOL	MIN	RATED	MAX	Unit	Test Condition
Color Render Index	R <sub>a</sub>	80	82	--	/	/
R <sub>9</sub>	R <sub>9</sub>	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 <sub>A</sub>	-20	--	45	°C	/
Storage Temperature	T <sub>st</sub>	-40	--	85		/

#### 6. COMPATIBILITY

incompatible with electronic ballasts

#### 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
Single Ended		/
Double Ended		