

LED T5 - LINEAR REPLACEMENT TUBE
DIRECTFIT COATED GLASS SERIES
UL TYPE-A



PRODUCT DESCRIPTION:

MaxLite DirectFit LED T5 lamp is the ideal plug and play solution that works straight out of the box. Designed to deliver up to 3200 lumens, these energy-saving LED lamps are quick, easy and safe to install into existing linear fluorescent fixtures without any extra effort or re-wiring. MaxLite DirectFit LED T5 lamps utilize the existing 54W T5HO electronic ballasts, thus minimizing maintenance and labor costs. Tested to NSF Standards, these lamps carry the **ETL Sanitation Mark** and are suitable for use in an environment where food intended for human consumption is produced.

FEATURES:

- Wattage (Bare Lamp): 25W, System Wattage: 28W
- Lumens: 3200
- Input Voltage: 120-277 VAC, determined by fluorescent ballast
- Compatible with most electronic 54W T5HO ballasts
- All glass construction with PET coating
- Beam Angle: 240°
- Color Rendering Index (CRI): ≥80
- THD <20%
- Power Factor: ≥0.90
- Suitable for use in dry and damp locations
- Suitable for totally enclosed recessed fixture
- Direct replacement for 54W T5HO lamps only
- PET film is 0.1mm thick
- UV and IR free
- DLC Listed
- Rated Lifetime @ L70: 50,000 Hours

WARRANTY:

5-year standard warranty (further details available at www.maxlite.com/warranties) Product may be eligible for a warranty extension to 10 years, for an additional fee. Contact MaxLite for details.

MODEL SELECTION (Full list of order codes on pg. 2)			Typical order example: L25T5DF440-CG5	
L25	T5	DF	4	
FAMILY	LAMP TYPE	OPERATION	LENGTH	CCT
L25= 25W, LED Linear	T5= T5 tube	DF= Direct Fit	4= 4 FT	30-CG5= 3000K, Coated Glass* 35-CG5= 3500K, Coated Glass 40-CG5= 4000K, Coated Glass 50-CG5= 5000K, Coated Glass

NOTES:

- * 3000K model is special order only.
1. Do not install this lamp in a pre-heat luminaires
 2. This device is not intended for use with emergency exits or for emergency lighting

SPECIFICATIONS:

		L25T5DF4xx-CG5
ITEM	SPECIFICATION	DETAILS
GENERAL PERFORMANCE	Bare Lamp Wattage	25W
	Lumens Delivered*	3,200
	CRI	≥83
	Beam Angle	240°
	Color Temperature (CCT)	3000K†, 3500K, 4000K, 5000K
	Lumen Maintenance (L70)	50,000 hours
ELECTRICAL	Power Factor	≥ 0.90
	Input Voltage	120-277V, 347V ballast dependent
PHYSICAL	Operating Temperature	-4°F to 113°F
CERTIFICATION	Certification	cULus, ETL Sanitation Listed, FCC
	Material Usage	RoHS compliant, no mercury
	Environment	Dry, Damp
	Warranty	5 Years
QUALIFICATION	DesignLight Consortium	DLC Listed

* Operating with T5HO ballast
†3000K model is special order only

ORDERING:

ORDER CODE	MODEL	CCT	BARE LAMP WATTAGE*	AVERAGE SYSTEM WATTAGE*	INITIAL LUMENS*	AVAILABLE IN MASTER CARTON	DIMENSIONS (MOL" x DIA")
1409177	L25T5DF430-CG5	3000K†	25	28	3,200	25pcs	45.80" x 0.75"
1409171	L25T5DF435-CG5	3500K					
1409172	L25T5DF440-CG5	4000K					
1409173	L25T5DF450-CG5	5000K					

* Lumens and watts will vary by ballast and fixture
†3000K model is special order only

COMPATIBLE BALLASTS - 120-277V

MANUFACTURE	MODEL NUMBER	# OF LAMPS	1 LAMP LOAD		2 LAMPS LOAD		3 LAMPS LOAD		4 LAMPS LOAD	
			INPUT VOLTAGE		INPUT VOLTAGE		INPUT VOLTAGE		INPUT VOLTAGE	
			120V	277V	120V	277V	120V	277V	120V	277V
ADVANCE	EL1/254A26	2	✓	✓	✓	✓	-	-	-	-
	HCN-4S54-2LS-H	2	✗	✗	✗	✗	-	-	-	-
	ICN-2S54	2	✓	✓	✓	✓	-	-	-	-
	ICN-2S54-N	2	✓	✓	✓	✓	-	-	-	-
	ICN-2S54-T	2	✓	✓	✓	✓	-	-	-	-
	ICN-2S54-90C-N	2	✓	✓	✓	✓	-	-	-	-
	IOP-2PSP54-SC	2	✗	✗	✗	✗	-	-	-	-
	IZT-2S54-D	2	-	-	✓	✓	-	-	-	-
	ICN-4S54-90C-2LS-G	4	-	-	✓	✓	✓	✓	✓	✓
	IOP-4PSP54-2LS-G	4	✗	✗	✗	✗	✗	✗	✗	✗
DAMAR	26947A	2	✓	✓	✓	✓	-	-	-	-
ESPEN	VE454MVHRP	4	-	-	✓	✓	✓	✓	✓	✓
FULHAM	RHA-UNV-254-LT5	2	✓	✓	✓	✓	-	-	-	-
	RHA-UNV-454-LT5	4	✓	✓	✓	✓	✓	✓	✗	✗
	WH5-120-L	2	✗	-	✗	-	-	-	-	-
FUSION	FB254T5MVE	2	✓	✓	✓	✓	-	-	-	-
	FB454T5MVE	4	-	-	-	-	✓	✓	✓	✓
GE	GE254MVPS-D	2	✗	✗	✗	✗	-	-	-	-
	GE254MVPS-D-1	2	✓	✓	✓	✓	-	-	-	-
	GE254MVPS90-A	2	✗	✗	✗	✗	-	-	-	-
	GE454MVPS90-F	4	✗	✗	✗	✗	✗	✗	✗	✗
HALCO	EP254HO/PS/MV/MC	2	✓	✓	✓	✓	-	-	-	-
	EP454HO/PS/MV	4	-	-	✓	✓	✓	✓	✓	✓
HEP	SI 254-58 UNI	2	-	-	✗	✗	-	-	-	-
	SD 254-58 UNI	2	-	-	✓	✓	-	-	-	-
HUAFENG	ENP-T5-54-S2MC	2	✓	✓	✓	✓	-	-	-	-
	ENP-T5-54-S4LC	4	-	-	✓	✓	✗	✗	✓	✓
UNIVERSAL	BB454PUNV-E Rev D	4	✓	✓	✓	✓	✓	✓	✓	✓

✓ Compatible
✗ Not compatible

Specifications are subject to change without notice.

COMPATIBLE BALLASTS - 120-277V

MANUFACTURE	MODEL NUMBER	# OF LAMPS	1 LAMP LOAD		2 LAMPS LOAD		3 LAMPS LOAD		4 LAMPS LOAD	
			INPUT VOLTAGE		INPUT VOLTAGE		INPUT VOLTAGE		INPUT VOLTAGE	
			120V	277V	120V	277V	120V	277V	120V	277V
KEYSTONE	KTEB-254HO-UV-PS/A	2	✓	✓	✓	✓	-	-	-	-
	KTEB-254HO-UV-PS-SL	2	✓	✗	✓	✓	-	-	-	-
	KTEB-454HO-UV-PS	4	✓	✓	✓	✓	✓	✓	✓	✓
LIYUAN	LYEB5812	2	✗	✗	✓	✓	-	-	-	-
LUMA	BLF254-U	2	✓	✓	✓	✓	-	-	-	-
MAXLITE	MLEU542HOP/SC	2	✓	✓	✓	✓	-	-	-	-
	MLEU544HOP/SC	4	-	-	-	-	✓	✓	✓	✓
SYLVANIA	QHE 2x54T5HO/UNV PSN	2	✓	✓	✓	✓	-	-	-	-
	QT 2x54/120PHO-DIM	2	-	-	✗	-	-	-	-	-
	QTP 2x54T5HO/UNV PSN	2	✓	✓	✓	✓	-	-	-	-
	QTP 2x54T5HO/UNV PSN HT	2	✓	✓	✓	✓	-	-	-	-
	QTP 2x54T5HO/UNV PSN 80-SC	2	✓	✓	✓	✓	-	-	-	-
	QHE 4x54T5HO/UNV PSN HT SCL	4	✓	✓	✓	✓	✓	✓	✓	✓
	QHE 4x54T5HO/UNV PSN HT SCL [DOE]	4	✓	✓	✓	✓	✓	✓	✓	✓
QTP 4x54T5HO/UNV PSN HT W	4	✓	✓	✓	✓	✓	✓	✓	✓	
PACIFIC	EB-254PRS-U	2	✓	✓	✓	✓	-	-	-	-
ROBERSON	PSB454T5MV	4	✓	✓	✓	✓	✓	✓	✓	✓
SUNPARK	U-2/54T5HO	2	✓	✓	✓	✓	-	-	-	-
SYMBAN	SLFE-254 T5HO-120MV-90C	2	✓	✓	✓	✓	-	-	-	-
	SLFE-454 T5HO-120MV-90C	4	✓	✓	✓	✓	✓	✓	✓	✓
STANDARD	E154T5PS120-277/N/HO	1	✓	✓	-	-	-	-	-	-
	E245T5HOPS120-277/N/XTRM	2	✓	✓	✓	✓	-	-	-	-
	E454T5HOPS120-277/N/XTRM	4	✓	✓	✓	✓	✓	✓	✓	✓
ULTRASAVE	ER254120MHT-W	2	✓	✓	✓	✓	-	-	-	-

✓ Compatible
✗ Not compatible

COMPATIBLE BALLASTS - 347/480V:

MANUFACTURE	MODEL NUMBER	# OF LAMPS	1 LAMP LOAD		2 LAMPS LOAD		3 LAMPS LOAD		4 LAMPS LOAD	
			INPUT VOLTAGE		INPUT VOLTAGE		INPUT VOLTAGE		INPUT VOLTAGE	
			347V	480V	347V	480V	347V	480V	347V	480V
FUSION	FB454347T5E	4	-	-	-	-	✓	-	✓	-
OSRAM	QHE 2x54T5HO/347-480PSN HT	2	✓	✓	✓	✓	-	-	-	-
	QHE 4x54T5HO/347-480PSN HT SCL	4	✗	✗	✗	✗	✗	✗	✗	✗
SYMBAN	SLFE-254 T5HO-347V-90C	2	✓	-	✓	-	-	-	-	-
	SLFE-454 T5HO-347V-90C	2	✓	-	✓	-	✓	-	✓	-
STANDARD	E254T5HOPS347/N/XTRM	2	✓	-	✓	-	-	-	-	-
	E454T5HOPS347/N/XTRM	4	✓	-	✓	-	✓	-	✓	-

✓ Compatible
✗ Not compatible

COMPATIBLE EMERGENCY BALLASTS:

MANUFACTURER	MODEL
IOTA	ISL-540
	ISL-54
	I-320
	ELI-S-20
KEYSTONE	KT-EMRG-500
	KT-EMRG-1400-SL
	KT-EMRG-1300-T5
PHILIPS BODINE	B50
	ELI-S-20
	LP600
	B50ST