

LED T5 - LINEAR REPLACEMENT LAMP

DirectFit G SERIES



PRODUCT DESCRIPTION:

MaxLite DirectFit LED T5 lamp is the ideal plug and play solution that works straight out of the box. Designed to deliver over 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.

FEATURES:

- Wattage (Bare Lamp): 25W
- Input Voltage: 120-277 VAC, determined by fluorescent ballast
- Compatible with most electronic 54W T5HO ballasts
- 240° beam angle
- Color Rendering Index (CRI): ≥82
- 50,000 hour life
- NSF Certified
- THD <20%
- Power Factor: 0.9 nominal
- Products L25T5DF435-G, L25T5DF440-G and L25T5DF450-G are listed on the DLC QPL
- [NSF certified](#)
- Suitable for use in dry and damp locations
- Not suitable for totally enclosed recessed fixture
- Direct replacement for 54W T5HO lamps only
- Five year limited warranty

MODEL SELECTION (Full list of order codes on pg. 2) Typical order example: L25T5DF440-G

L25	T5	DF	4	
FAMILY	LAMP TYPE	OPERATION	LENGTH	CCT
L25= 25W LED Linear	T5= T5 tube	DF= Direct Fit	4= 4 FT	35-G= 3500K, Glass 40-G= 4000K, Glass 50-G= 5000K, Glass

NOTES:

1. Do not install this lamp in a pre-heat luminaire
2. This device is not intended for use with emergency exits or for emergency lighting

SPECIFICATIONS:

		L25T5DF4xx-G
ITEM	SPECIFICATION	DETAILS
GENERAL PERFORMANCE	Bare Lamp Wattage	25W
	Lumens Delivered*	3,100-3,200
	CRI	≥82
	Beam Angle	240°
	Color Temperature (CCT)	3500, 4000K, 5000K
	Lumen Maintenance (L70)	50,000 Hours
ELECTRICAL	Power Factor	≥ 0.9
	Input Voltage	120-277V, 347V ballast dependent
PHYSICAL	Operating Temperature	-4°F to 113°F
CERTIFICATION	Certification	UL Classified, NSF
	Material Usage	RoHS compliant, no mercury
	Environment	Dry, Damp
	Warranty	5 Years

* Operating with T5HO ballast

WATTS & LUMENS*:

	BARE LAMP (RATED)	AVERAGE SYSTEM WATTS	INITIAL LUMENS
ITEM NUMBER	NOMINAL WATTAGE	NORMAL BF= 1.0	NORMAL BF= .88
L25T5DF435-G	25	28	3,100
L25T5DF440-G	25	28	3,200
L25T5DF450-G	25	28	3,200

* Lumens and watts will vary by ballast and fixture

ORDERING:

ORDER CODE	MODEL	LUMEN	CCT	BASE TYPE	DIMENSIONS (L" x DIA")
103500	L25T5DF435-G	3,100	3500K	G5	45.75" x 0.75"
103501	L25T5DF440-G	3,200	4000K	G5	45.75" x 0.75"
103502	L25T5DF450-G	3,200	5000K	G5	45.75" x 0.75"

COMPATIBLE BALLASTS
120-277V (1 LAMP):

MANUFACTURER	MODEL NUMBER	LAMP #1
ROBERTSON	PST154T5MWW	✓

COMPATIBLE BALLASTS
120-277V (1-2 LAMPS):

MANUFACTURER	MODEL NUMBER	LAMP #1	LAMP #2
EIKQ	PM-2X54T5 UNV PS	✓	✓
ESPEN	VE254MVHRP	✓	✓
ESPEN	VE254MVHRP(11101)	✓	✓
FULHAM	RHA-UNV-254-LT5	✓	✓
GENERAL ELECTRIC	GE254MVPS90-A	✓	✓
HOWARD INDUSTRIES	EP2/54HO/PRS/MV/W/MC	✓	✓
HOWARD INDUSTRIES	EP2/54HO/PRS/MV/W/SC	✓	✓
KEYSTONE	KTEB-254HO-UV-TP-PS	✓	✓
KEYSTONE	KTEB-254HO-UV-PS-SL	✓	✓
MAXLITE	MLEU542HOP/SC	✓	✓
OSRAM SYLVANIA	QHE 2x54T5HO/UNV PSN	✓	✓
OSRAM SYLVANIA	QTP 2x54T5HO/347-480 PSN HT	✓	✓
OSRAM SYLVANIA	QHE 2x54T5HO/347-480 PSN HT MCL	✓	✓
PHILIPS-ADVANCE	ICN-2S54-90C-N	✓	✓
PHILIPS-ADVANCE	ICN-2S54-90C-T	✓	✓
PHILIPS-ADVANCE	HCN-2S54-90C-WL	✓	✓
PHILIPS-ADVANCE	ICN-2S54-T	✓	✓
PLUSRITE	BAF254PS/MV	✓	✓
ROBERTSON	PSL254T5MV	✓	✓
SUNPARK	U-2/54T5HO	✓	✓
TCP	E2P54PRSUNVE	✓	✓
ULTRASAVE	ER254120MHT-W	x	✓
UNIVERSAL LIGHTING TECHNOLOGIES	B254PUNVHB-D	x	x
UNIVERSAL LIGHTING TECHNOLOGIES	B254PUNV-D	x	x
WATRAM	DB-254HO-MV-TP-PS-SL	✓	✓

✓ **Compatible**
x **Not Compatible**

COMPATIBLE BALLASTS
120-277V (3-4 LAMPS):

MANUFACTURER	MODEL NUMBER	LAMP #3	LAMP #4
EIKQ	PM-4X54T5 UNV PS	✓	✓
ESPEN	VE454MVHRP(11100)	✓	✓
ESPEN	VE454MVHRP(11047)	✓	✓
FULHAM	RHA-UNV-454-LT5	✓	✓
GENERAL ELECTRIC	GE454MVPS90-F	✓	✓
GENERAL ELECTRIC	GE454MVPS90-E-S	✓	✓
HOWARD INDUSTRIES	EP4/54HO/PRS/MV	✓	✓
KEYSTONE	KTEB-454HO-UV-PS	✓	✓
LUMAPRO	4KGE7A EB-454PRS-U	✓	✓
OSRAM SYLVANIA	QTP 4x54T5HO/UNV PSN HT W	x	✓
OSRAM SYLVANIA	QTP 4x54T5HO/UNV PSN HT W	x	✓
PHILIPS-ADVANCE	ICN-4S54-90C-2LS-G	✓	✓
PHILIPS-ADVANCE	HCN-4S54-90C-2LS-G	x	x
PLUSRITE	BAF454PS/MV	✓	✓
ROBERTSON	PSY454T5MVEL(3P20147)	✓	✓
UNIVERSAL LIGHTING TECHNOLOGIES	B454PUNVHB-E	x	x
UNIVERSAL LIGHTING TECHNOLOGIES	B454PUNV-E	x	x
WATRAN	DB-4M54-PS-MV-90	✓	✓

COMPATIBLE BALLASTS
347V/480V (2 LAMPS):

MANUFACTURER	MODEL NUMBER	LAMP #1	LAMP #2
PHILIPS-ADVANCE	HCN-2S54-90C-WL	✓	✓

✓ Compatible
x Not Compatible

Please contact MaxLite for questions about third party ballasts that are not on this list.