

LED T5 - LINEAR REPLACEMENT LAMP

DirectFit CG 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 3100 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): 27W
- Input Voltage: 120-277 VAC, determined by fluorescent ballast
- Compatible with most electronic 54W T5HO ballasts
- All glass construction with PET coating
- 240° beam angle
- Color Rendering Index (CRI): ≥83
- 50,000 hour life
- THD <20%
- Power Factor: 0.9 nominal
- Five year limited warranty
- Suitable for use in dry and damp locations
- Not suitable for totally enclosed recessed fixture
- Direct replacement for 54W T5HO lamps only
- Do not install this lamp in a pre-heat luminaire
- This device is not intended for use with emergency exits or for emergency lighting

MODEL SELECTION (Full list of order codes on pg. 2)

Typical order example: L27T5DF440-CG

L27	T5	DF	4	
FAMILY	LAMP TYPE	OPERATION	LENGTH	CCT
L27= LED Linear	T5= T5 tube	DF= Direct Fit	4= 4 FT	35-CG= 3500K, Coated Glass 40-CG= 4000K, Coated Glass 50-CG= 5000K, Coated Glass

SPECIFICATIONS:

L27T5DF4xx-CG		
ITEM	SPECIFICATION	DETAILS
GENERAL PERFORMANCE	Bare Lamp Wattage	27W
	Lumens Delivered*	3100-3400
	CRI	≥83
	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	DLC, UL, ETL Sanitation Listed
	Material Usage	RoHS compliant, no mercury
	Environment	Dry, Damp, ETL Sanitation Listed
	Warranty	5 Years

* Operating with T5HO ballast

WATTS & LUMENS*:

BARE LAMP WATTAGE	AVERAGE SYSTEM WATTS	INITIAL LUMENS
27	30	3100

* Lumens and watts will vary by ballast and fixture

ORDERING:

ORDER CODE	MODEL	CCT	DIMENSIONS (L" x DIA")
96537	L27T5DF435-CG	3500K	45.75" x 0.75"
91499	L27T5DF440-CG	4000K	45.75" x 0.75"
91500	L27T5DF450-CG	5000K	45.75" x 0.75"

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

MANUFACTURER	MODEL NUMBER	LAMP #1	LAMP #2
ADVANCE	ICN-2S54-N	X	X
ADVANCE	ICN2S5490CT	X	X
ESPEN	VE454MVHRP	✓	✓
FUSION	FB254T5MVE	✓	✓
GE	GE254MVPS-D-1	✓	X
HALCO	EP254HO/PS/MV	✓	✓
HATCH	HL254HO/PS/UV/S	✓	✓
HATCH	HL232CIS/UV/HE/W	✓	✓
HALCO	EP254HO/PS/MV/MC	✓	✓
HALCO	EP454HO/PS/MV	✓	✓
HUAFENG	ENP-T5-54-S2MC	✓	✓
KEYSTONE	KTEB-254HO-UV-PS-SL	✓	✓
KEYSTONE	KTEB-254HO-UV-PS/A	✓	✓
MAXLITE	MLEU542HOP/SC	✓	✓
OZ.LIYUAN	LYEB5812	✓	✓
PACIFIC	EB-254PRS-U	✓	✓
SUNPARK	U-2/54T5HO	✓	✓
SYLVANIA	QTP2x54T5HO/UNV PS80SC	✓	✓
SYLVANIA	QHE2x54T5HO/UNV PSN	✓	✓
SYLVANIA	QHE2x54T5HO/UNV PSN-HT	✓	X
SYLVANIA	QTP2x54T5HO/UNV PSN	✓	✓
SYLVANIA	QTP2x54T5HO/UNV PSN HT	✓	X
SYLVANIA	QTP5 2x54	✓	X
UNIVERSAL	B254PUNVHB-D	✓	✓

COMPATIBLE BALLASTS
347V (1-2 LAMPS):

MANUFACTURER	MODEL NUMBER	LAMP #1	LAMP #2
FUSION	FB254347T5E	✓	✓

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

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

MANUFACTURER	MODEL NUMBER	LAMP #3	LAMP #4
ADVANCE	ICN-4S54-90C-2LS-G	X	X
ADVANCE	IOP-4PSP54-2LS-G	✓	✓
FUSION	FB454T5MVE	✓	✓
HATCH	HL454HO/PS/UV/W	✓	✓
HALCO	EP454HO/PS/MV	✓	✓
HUAFENG	ENP-T5-54-S4LC	✓	✓
KEYSTONE	KTEB-454HO-UV-PS	✓	✓
MAXLITE	MLEU544HOP/SC	✓	✓
MAXLITE	MLEU544HOP/SC	✓	✓
SYLVANIA	QTP4x54T5HO/UNV PSN HT W	X	X
SYLVANIA	QHE4x54T5HO/UNV PSN-HT-SCL	X	X
UNIVERSAL	B454PUNV-E	✓	✓

COMPATIBLE BALLASTS
347V (3-4 LAMPS):

MANUFACTURER	MODEL NUMBER	LAMP #3	LAMP #4
FUSION	FB454347T5E	✓	✓
PHILIPS	HCN-4S54-2LS-H	✓	X

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COMPATIBLE EMERGENCY BALLASTS
(1 LAMP ONLY):

MANUFACTURER	MODEL NUMBER
FULHAM	FH7-UNV-500L
FULHAM	FH11-UNV-750L
FULHAM	FH12-UNV-1400L