

Commercial Lighting Devices Inc

LED LINEAR LIGHT ENGINES

LEL Series



PRODUCT DESCRIPTION:

Low profile linkable LED light engine solution with integral driver designed to replace conventional incandescent, CFL, and T5/T8 linear light sources in new fixture construction.

FEATURES:

- Easy integration into new fixture construction (requires heat sink)
- End-to-end linkable connection of multiple modules via integral push-in quick connectors on each end of engines
- Integral driver-on-board, connects directly to 120VAC
- High CRI (90 CRI)
- Dimmable to 5% (with ELV/LED dimmers)
- UL Recognized for use in luminaires
- Tc Max point marked on engine

CONSTRUCTION:

- Seoul MJT3030 LEDs
- Metal core board
- Push-in wire connectors acct up to 18 AWG wires for easy supply connection

EQUIVALENCIES:

- LEL5.5A05XX, 5W/5.5" = 385lm approx. 40W INC/7W CFL
- LEL11.5A08XX, 8W/11.5" = 690lm, approx. 50-60W INC/9W CFL
- LEL23A16XX, 16W/23" = 1430lm, approx. 75W-100W INC/17W T8 Fluorescent

APPLICATIONS:

- Wall sconces
- Linear bath bars
- Linear ceiling and wall mount fixtures
- Linear pendant
- Cove and channel lighting

WARNING: RISK OF FIRE AND ELECTRICAL SHOCK. THIS PRODUCT IS TO BE INSTALLED AND SERVICED BY QUALIFIED PERSONNEL ONLY.

CAUTION: WHEN USING ELECTRICAL EQUIPMENT, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED. TO AVOID POSSIBLE ELECTRICAL SHOCK, BE SURE THAT POWER SUPPLY IS TURNED OFF BEFORE INSTALLING OR SERVICING THIS ENGINE. THIS ENGINE IS DESIGNED FOR USE IN THE MANUFACTURING OF NEW FIXTURES ONLY, IS NOT DESIGNED TO BE A RETROFIT SOLUTION, AND MUST BE INSTALLED IN AN APPLICATION WHERE MARKED TC POINT DOES NOT EXCEED MAXIMUM RATINGS. USE OF A METAL HEAT SINK IS RECOMMENDED. 120VAC COMPONENTS MUST NOT BE TOUCHED WHEN ENERGIZED.

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

Typical order example: LEL11.5A0827C

LEL			C
FAMILY	LENGTH AND WATTAGE	CCT	CRI
LEL= LED Linear Light Engine	5.5A05= 5.5 Inch Length, 5W 11.5A08= 11.5 Inch Length, 8W 23A16= 23 Inch Length, 16W	27= 2700K 30= 3000K	C= 90 CRI

ACCESSORIES

ORDER CODE	MODEL NUMBER	DESCRIPTION	IMAGE
91495	LEL5.5IB	Optional Glass Barrier for 5.5" Engine (Included hardware)	
91496	LEL11.5IB	Optional Glass Barrier for 11.5" Engine (Included hardware)	
91497	LEL23IB	Optional Glass Barrier for 23" Engine (Included hardware)	

COMPATIBLE DIMMERS:

MAKE	DIMMER MODEL
Lutron	DVELV-300
Lutron	SELV-300
Leviton	IPL-06

NOTE:

1. Isolation barrier over the engines required for Safety listing. MaxLite accessories can be used, or other user-supplied cover, or fixture diffuser. If fixtured diffuser used, note that Safety listing will require tools for access to the engine compartment.

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SPECIFICATIONS:

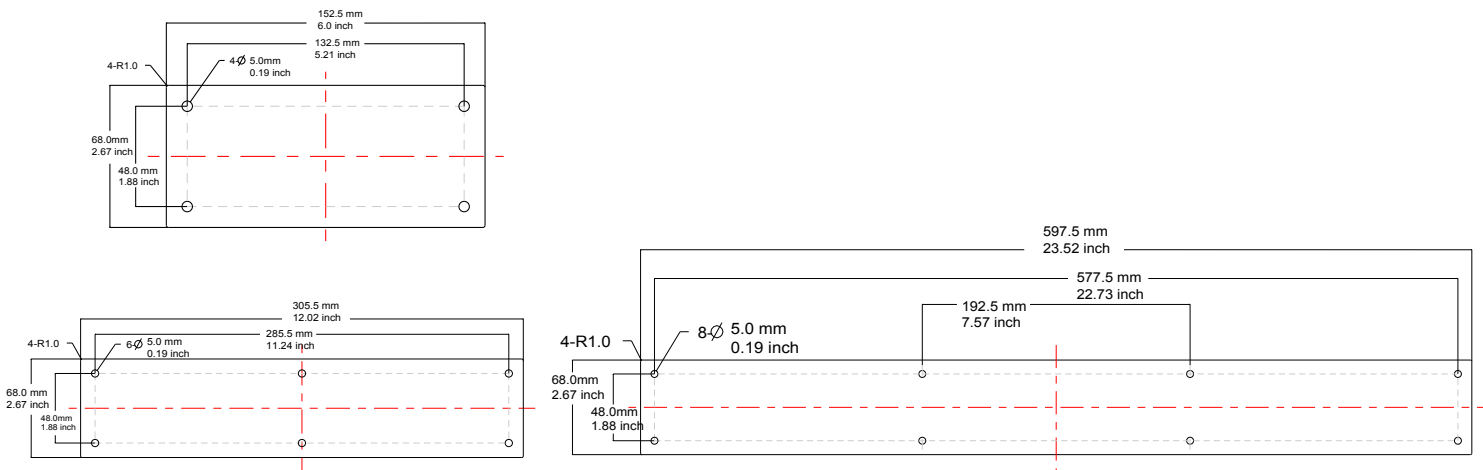
ITEM	SPECIFICATION	DETAILS					
		LEL5.5 A0527C	LEL5.5 A0530C	LEL11.5 A0827C	LEL11.5 A0830C	LEL23 A1627C	LEL23 A1630C
GENERAL PERFORMANCE	Delivered Lumens (lm)	360	380	650	690	1,360	1,430
	Efficacy (lm/W)	80	84	82	87	83	87
	CRI	90	90	90	90	90	90
	Power Consumption (W)	5.0	5.0	8.0	8.0	16.0	17.0
	Color Temperature (K)	2700K	3000K	2700K	3000K	2700K	3000K
	Color Consistency	Proprietary binning for uniform color					
	L70 Lifetime (Hours)	50,000 Hrs					
ELECTRICAL	Power Factor	0.98					
	Input Voltage	120V					
PHYSICAL	Operating Temperature	0°F to 104°F					
	Tc Max	90°C (Tc point marked on engine)					
CERTIFICATION	Certification	UL, FCC, LM-79, LM-80					
	Material Usage	RoHS compliant; no mercury					
	Environment	Damp Location					
	Warranty	5 years					

ORDERING*:

ORDER CODE	ITEM #	LENGTH	WATTAGE	CCT	CRI
77599	LEL5.5A0527C	5.5 Inches	5W	2700K	90
77600	LEL5.5A0530C	5.5 Inches	5W	3000K	
77601	LEL11.5A0827C	11.5 Inches	8W	2700K	
77602	LEL11.5A0830C	11.5 Inches	8W	3000K	
77603	LEL23A1627C	23 Inches	16W	2700K	
77604	LEL23A1630C	23 Inches	16W	3000K	

*Please contact your MaxLite representative to order products that don't have order codes listed here.

GLASS BARRIER LINE DRAWING



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