



# XRLED-1843

## POST-TOP LED CONVERSION KIT FOR 1843 CARSON CITY

The versatile XRLED-1843 conversion kit transforms existing Sternberg 1843 Carson City lanterns into energy efficient luminaires at significantly reduced maintenance costs. The wide variety of lumen and distribution options makes this the obvious choice when converting from conventional lamp sources to energy-efficient lighting. Made by Sternberg Lighting for Sternberg Lighting.

**PROJECT:** \_\_\_\_\_

**TYPE:** \_\_\_\_\_

## ORDERING EXAMPLE: XRLED-1843-12L45T5-MDL21

XRLED-1843				
SERIES	NO. OF LEDS	COLOR TEMP K	DISTRIBUTION	DRIVER
LED UPGRADE KIT FOR 1843 LANTERN	9L	27(00) K	T2	MDL07
	12L	35(00) K	T3	MDL14
		45(00) K	T4	MDL21
			T5	

## Features & Specifications

### Optical

- Utilizes high output, high brightness LEDs.
- Operates at -40°C (-40°F) to +50°C (122°F) ambient air temperature range.
- Typical CRI of 75, CCT 2700, 3500, and 4500K.
- LM-79 and LM-80 tests in accordance with IESNA standards.
- Lumen depreciation rated 50,000 hrs.
- RoHS Compliant.

### Electrical

- 120-277 volt standard.
- Minimum drivers power factor: >0.9.

- Electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines (10KA).
- UL or ETL listed in U.S. and Canada.

### Mechanical

- Anodized aluminum heatsink.

### Controls

- Supplied with dimmable driver (0-10 volts).

### Warranty & Standards

XRLED Systems and Drivers - 5 years.  
All fixtures shall be free from all defects in materials and workmanship for a period of 5 years from the date of manufacture. The luminaire manufacturer shall warrant the XRLED boards/ system, during the stated warranty period, against failure defined as more than 10 percent of non-operating LEDs.

### Drivers (0-10V dimming):

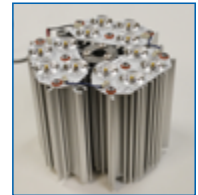
**MDL07:** 700mA, 120-277V

**MDL14:** 1400mA, 120-277V

**MDL21:** 2100mA, 120-277V



9L XRLED MODULE



12L XRLED MODULE

## Performance

LIGHT SOURCE	T2 DELIVERED LUMENS	EFFICACY (LPW)	T3 DELIVERED LUMENS	EFFICACY (LPW)	T4 DELIVERED LUMENS	EFFICACY (LPW)	T5 DELIVERED LUMENS	EFFICACY (LPW)	WATTAGE
09L27T_-MD07	1570	74.8	1465	69.8	1405	66.9	1735	82.6	21
09L35T_-MD07	1885	89.8	1760	83.8	1685	80.2	2085	99.3	21
09L45T_-MD07	2040	97.1	1905	90.7	1825	86.9	2260	107.6	21
09L27T_-MD14	2725	60.6	2595	57.7	2515	55.9	3035	67.4	45
09L35T_-MD14	3275	72.8	3115	69.2	3020	67.1	3645	81.0	45
09L45T_-MD14	3545	78.8	3375	75.0	3270	72.7	3945	87.7	45
12L27T_-MD14	3200	60.3	3375	58.2	3390	58.4	3685	63.5	58
12L35T_-MD14	4200	72.4	4050	69.2	4070	70.2	4425	76.3	58
12L45T_-MD14	4550	78.4	4385	75.6	4410	76.0	4740	82.6	58
12L27T_-MD21	4575	50.3	4515	49.6	4395	48.3	4805	52.8	91
12L35T_-MD21	5490	60.3	5420	59.6	5270	57.9	5765	63.4	91
12L45T_-MD21	5950	65.4	5870	64.5	5710	62.7	6245	68.6	91