



VCOB-1930/VCOB-1920

LED CONVERSION KIT

POST-TOP LED CONVERSION KIT FOR 1930 & 1920 POST TOP ACORN - "EASY TO INSTALL"

The versatile VCOB-1930 & VCOB-1920 conversion kit transforms existing Sternberg 1930 or 1920 post top acorns into energy-efficient luminaires at significantly reduced maintenance costs. The wide variety of options makes this the industry's choice when converting from conventional lamp sources to energy-efficient lighting; made by Sternberg Lighting for Sternberg Lighting.

JOB NAME _____

FIXTURE TYPE _____

MEMO _____

HOW TO ORDER: VCOB-1930-4L40TS-MDL03-682

| SERIES | LEDS | CCT - COLOR TEMPERATURE (K) | DISTRIBUTION TYPE | DRIVER | OPTIONAL DRIVER HOUSING |
|---------------------------------|------|-----------------------------|-------------------|--------|-------------------------|
| VCOB-1930 | 4L | 27(00) K | TS | MDL02 | 682 |
| VCOB-1920 | | 30(00) K | TA | MDL03 | 682M |
| LED UPGRADE KIT FOR 1920 & 1930 | | 40(00) K | | MDL05* | |
| | | 50(00) K | | MDH02 | |
| | | | | MDH03 | |
| | | | | MDH05* | |
| | | | | | |



*1930 only.

Features & Specifications

Optical

- Utilizes high output, high brightness LEDs
- Minimum CRI of 70, CCT 2,700K, 3,000K, 4,000K and 5,000K. Consult factory for custom color CCT
- Symmetric (TS) and Asymmetric (TA) distribution types available
- LM-79 and LM-80 tests in accordance with IESNA standards
- L70 Minimum 100,000 hours
- RoHS Compliant

Electrical

- Minimum driver power factor: >0.9.
- Electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines.
- UL listed in U.S. and Canada.

Mechanical

- Anodized aluminum heatsinks.
- Rugged cast aluminum carrier plate.
- Designed for Sternberg 5P, 5T, 508 and 900 fitters. Consult factory for limitations and other fitters.

Controls

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

Warranty & Standards

LED Systems and Drivers - 7 years.
All conversion kits shall be free from all defects in materials and workmanship for a period of 7 years from the date of manufacture. The luminaire manufacturer shall warrant the LED boards/system, during the stated warranty period, against failure defined as more than 10 percent of non-operating LEDs.

Drivers (0v-10v Dimming):

- MDL02: 250mA, 120V-277V
 - MDL03: 350mA, 120V-277V
 - MDL05: 500mA, 120V-277V*
 - MDH02: 250mA, 347V-480V
 - MDH03: 350mA, 347V-480V
 - MDH05: 500mA, 347V-480V*
- *1930 only.

Optional Driver Housing:

- 682: Driver housing required for decorative fitters manufactured between 1985 and 2004.
- 682M: Driver housing required for decorative fitters manufactured between 1985 and before.

Performance

| LIGHT SOURCE | TS INITIAL LUMENS | EFFICACY (LPW) | TA INITIAL LUMENS | EFFICACY (LPW) | WATTAGE |
|--------------|-------------------|----------------|-------------------|----------------|---------|
| 4L40T_-MDL05 | 7470 | 99.6 | 7355 | 98.1 | 75 |
| 4L30T_-MDL05 | 7235 | 96.5 | 7125 | 95.0 | 75 |
| 4L27T_-MDL05 | 6575 | 87.7 | 6475 | 86.3 | 75 |
| 4L40T_-MDL03 | 5870 | 104.8 | 5805 | 103.7 | 56 |
| 4L30T_-MDL03 | 5685 | 101.5 | 5620 | 100.4 | 56 |
| 4L27T_-MDL03 | 5170 | 92.3 | 5110 | 91.3 | 56 |
| 4L40T_-MDL02 | 4340 | 108.5 | 4310 | 107.8 | 40 |
| 4L30T_-MDL02 | 4205 | 105.1 | 4175 | 104.4 | 40 |
| 4L27T_-MDL02 | 3820 | 95.5 | 3795 | 94.9 | 40 |