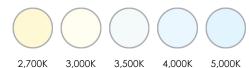
Project Name	Qty	
•	•	

Type \_\_\_\_\_ Catalog / Part Number



# CCT - Color Temperature (K)



## 7 Year Warranty



Certifications



## **Description**

The versatile VCOB-6130 conversion kit transforms existing Sternberg 6130A and 6130C Heritage luminaires 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

## Physical

Series	VCOB-6130: Heritage, LED Conversion Kit					
Light Source						
LED	4L					
CCT - Color Temperature (K)	<b>27:</b> 2,700K	<b>30:</b> 3,000K				
	<b>35:</b> 3,500K	<b>40:</b> 4,000K				
	<b>50:</b> 5,000K					
Distribution Type	TS: Type Symmetric	TA: Type Asymmetric				
Electrical and control						
Driver	<b>MDL02:</b> 120V-277V, 250mA	<b>MDH02:</b> 347V-480V, 250mA				
	MDL03: 120V-277V, 350mA	MDH03: 347V-480V, 350mA				
	<b>MDL05:</b> 120V-277V, 500mA	<b>MDH05:</b> 347V-480V, 500mA				
<u>Features</u>						



Option Fixed Dimming Resistor Board

FDRB: Fixed Dimming Resistor Board

### **Specifications**

#### **LEDs**

The luminaire shall use high output, high brightness LED's, consisting of a two piece assembly complete with Chip on Board (COB) LED component and COB holder frame. The LEDs shall be 100% recyclable; not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. Lumen maintenance shall be determined in accordance with IESNA TM-21, based on LED manufacturer LM-80 test data of no less than 6,000 hours and in-situ testing of the luminaire by an NVLAP accredited Energy Efficient Lighting Products lab. The high-performance white LEDs will have a predicted lumen depreciation of approximately 100,000 hours with greater than 70% of initial output at 25°C. The High Brightness, High Output LED's shall be 4000K (2700K, 3000K, 3500K or 5000K option) correlated color temperature (CCT) with a 70 (minimum) color rendering index (CRI). Consult factory for custom color CCT. The luminaire shall have a minimum (see table) delivered initial lumen rating when operated at steady state with an average ambient temperature of 25°C (77°F).

#### CCT Lumen Derate Values from 4,000K

2,700K (80+ CRI)=.89

3,000K (70+ CRI)=.97

3,500K (80+ CRI)=.93

5,000K (70+ CRI)=1.01

Optics

The luminaire shall be provided with individual, refractor type optics applied to each LED. The luminaire shall provide Type (Symmetric or Asymmetric) light distribution. Testing shall be done in accordance with IESNA LM-79.

**UL Listing** 

UL listed per UL1598 and CSA 22.2 No. 250.0 for the US and Canada

**Electronic Driver** 

The LED driver shall be securely mounted inside the fixture, for optimized performance and longevity and shall be U.L. Recognized. It shall be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections and fixture installation. It shall have overload, overheat and short circuit protection, and have a DC voltage output, constant current design, 50/60HZ. It shall be supplied with line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It shall be a high efficiency driver with a THD less than 20% and a high power factor greater than .9. It shall be dimming capable using a 0-10v signal, consult factory for more

**FDRB** 

10-step field adjustable dimming board. Includes step dimming options from 25%-100%. The unit is conformal coated and UL recognized for use in damp locations.

Warranty

7-year limited warranty (See Website for Terms and Conditions.)

### Lumen Chart(s)

Model #	TA DELIVERED LUMENS	BUG	EFFICACY (LPW)	TS DELIVERED LUMENS	BUG	EFFICACY (LPW)	WATTAGE
4L40TMDL05	7435	B2U3G3	95.3	7380	B3U3G3	94.6	78
4L30TMDL05	7245	B2U3G3	92.9	7190	B3U3G3	92.2	78
4L27TMDL05	6585	B2U3G3	84.4	6535	B3U3G3	83.8	78
4L40TMDL03	5460	B2U3G3	103.0	5385	B3U3G2	101.6	53
4L30TMDL03	5320	B2U3G3	100.4	5250	B3U3G2	99.1	53
4L27TMDL03	4835	B2U3G3	91.2	4770	B3U3G2	90.0	53
4L40TMDL02	4095	B1U3G2	105.0	4025	B2U3G2	103.2	39
4L30TMDL02	3990	B1U3G2	102.3	3920	B2U3G2	100.5	39
4L27TMDL02	3625	B1U3G2	92.9	3565	B2U3G2	91.4	39



How to order					
Series	LED	CCT - Color Temperature (K)	Distribution Type	Driver	Option Fixed Dimming Resistor Board
VCOB-6130 Heritage, LED Conversion Kit	<b>4L</b> 4L	27 2,700K 30 3,000K 35 3,500K 40 4,000K 50 5,000K	TS Type Symmetric TA Type Asymmetric	MDL02 120V-277V, 250mA MDH02 347V-480V, 250mA MDL03 120V-277V, 350mA MDH03 347V-480V, 350mA MDL05 120V-277V, 500mA MDH05 347V-480V, 500mA	FDRB Fixed Dimming Resistor Board