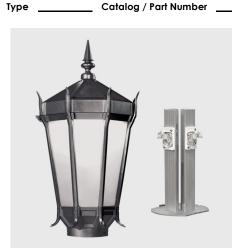
Project Name

The versatile VCOB-MS805 conversion kit transforms existing Sternberg MS805 Main Street 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.



<u>CCT - C</u>	Color Ter	nperatu	re (K)	

3,500K

4,000K

5,000K

## 7 Year Warranty

3,000K



2,700K

Certifications

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## Physical

Series	VCOB-MS805: Main Street, LED Conversion Kit				
Optional Driver Housing	<b>682:</b> Driver Housing Cover (Required for units manufactured prior to 2004)				
Optional Internal Diffusing Lens	<b>SV2:</b> Cylindrical Soft Vue Medium Diffused Acrylic <b>SV4:</b> Cylindrical Soft Vue Maximum Diffused Acrylic				
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	<b>TS:</b> Type Symmetric	TA: Type Asymmetric			
Electrical and control					
Driver	MDL02: 120V-277V, 250mA	MDH02: 347V-480V, 250mA			
	MDL03: 120V-277V, 350mA	MDH03: 347V-480V, 350mA			
	MDL05: 120V-277V, 500mA	MDH05: 347V-480V, 500mA			
Features					

**Option Fixed Dimming Resistor Board** 

FDRB: Fixed Dimming Resistor Board



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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 LENA 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). <b>CCT lumen Derate Values from 4,000K</b> 2,700K (80+ CRI)=. <b>89</b> 3,000K (70+ CRI)=. <b>97</b> 3,500K (80+ CRI)=. <b>93</b> 5,000K (70+ CRI)=1. <b>01</b>
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 information.
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
4L40MDL05	6665	B2U3G3	85.4	6310	B3U3G3	80.9	78
4L30MDL05	6455	B2U3G3	82.8	6110	B3U3G3	78.3	78
4L27MDL05	5870	B2U3G3	75.3	5555	B3U3G3	71.2	78
4L40MDL03	4910	B2U3G2	90.9	4645	B3U3G2	86.0	54
4L30MDL03	4755	B2U3G2	88.1	4500	B3U3G2	83.3	54
4L27MDL03	4325	B2U3G2	80.1	4090	B3U3G2	75.7	54
4L40MDL02	3685	B1U2G2	97.0	3480	B2U2G2	91.6	38
4L30MDL02	3570	B1U2G2	93.9	3370	B2U2G2	88.7	38
4L27MDL02	3245	B1U2G2	85.4	3065	B2U2G2	80.7	38

SternbergLighting

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## How to order

Series	LED	CCT - Color Temperature (K)	Distribution Type	Driver	Optional Driver Housing <sup>(1)</sup>	Optional Internal Diffusing Lens	Option Fixed Dimming Resistor Board
VCOB-MS805 Main Street, 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	682 Driver Housing Cover (Required for units manufactured prior to 2004)	SV2 Cylindrical Soft Vue Medium Diffused Acrylic SV4 Cylindrical Soft Vue Maximum Diffused Acrylic	FDRB Fixed Dimming Resistor Board

Notes:

1. Required for units manufactured prior to 2004

2. Not for use with TA optic

