

Project Name \_\_\_\_\_ Qty \_\_\_\_\_

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



**CCT - Color Temperature (K)**



**7 Year Warranty**



**Certifications**



**Description**

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.

**Physical**

<b>Series</b>	<b>VCOB-MS805:</b> Main Street, LED Conversion Kit
<b>Optional Driver Housing</b>	<b>682:</b> Driver Housing Cover (Required for units manufactured prior to 2004)
<b>Optional Internal Diffusing Lens</b>	<b>SV2:</b> Cylindrical Soft Vue Medium Diffused Acrylic <b>SV4:</b> Cylindrical Soft Vue Maximum Diffused Acrylic

**Light Source**

<b>LED</b>	4L	
<b>CCT - Color Temperature (K)</b>	<b>27:</b> 2,700K <b>35:</b> 3,500K <b>50:</b> 5,000K	<b>30:</b> 3,000K <b>40:</b> 4,000K
<b>Distribution Type</b>	<b>TS:</b> Type Symmetric	<b>TA:</b> Type Asymmetric

**Electrical and control**

<b>Driver</b>	<b>MDL02:</b> 120V-277V, 250mA <b>MDL03:</b> 120V-277V, 350mA <b>MDL05:</b> 120V-277V, 500mA	<b>MDH02:</b> 347V-480V, 250mA <b>MDH03:</b> 347V-480V, 350mA <b>MDH05:</b> 347V-480V, 500mA
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**Features**

<b>Option Fixed Dimming Resistor Board</b>	<b>FDRB:</b> Fixed Dimming Resistor Board
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**Specifications**

<b>LEDs</b>	<p>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).</p> <p><b>CCT Lumen Derate Values from 4,000K</b></p> <p>2,700K (80+ CRI)=.89                  3,000K (70+ CRI)=.97                  3,500K (80+ CRI)=.93                  5,000K (70+ CRI)=1.01</p>
<b>Optics</b>	<p>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.</p>
<b>UL Listing</b>	<p>UL listed per UL1598 and CSA 22.2 No. 250.0 for the US and Canada</p>
<b>Electronic Driver</b>	<p>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.</p>
<b>FDRB</b>	<p>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.</p>
<b>Warranty</b>	<p>7-year limited warranty (See Website for Terms and Conditions.)</p>

**Lumen Chart(s)**

Model #	TA DELIVERED LUMENS	BUG	EFFICACY (LPW)	TS DELIVERED LUMENS	BUG	EFFICACY (LPW)	WATTAGE
4L40__-MDL05	6665	B2U3G3	85.4	6310	B3U3G3	80.9	78
4L30__-MDL05	6455	B2U3G3	82.8	6110	B3U3G3	78.3	78
4L27__-MDL05	5870	B2U3G3	75.3	5555	B3U3G3	71.2	78
4L40__-MDL03	4910	B2U3G2	90.9	4645	B3U3G2	86.0	54
4L30__-MDL03	4755	B2U3G2	88.1	4500	B3U3G2	83.3	54
4L27__-MDL03	4325	B2U3G2	80.1	4090	B3U3G2	75.7	54
4L40__-MDL02	3685	B1U2G2	97.0	3480	B2U2G2	91.6	38
4L30__-MDL02	3570	B1U2G2	93.9	3370	B2U2G2	88.7	38
4L27__-MDL02	3245	B1U2G2	85.4	3065	B2U2G2	80.7	38

**How to order**

Series	LED	CCT - Color Temperature (K)	Distribution Type	Driver	Optional Driver Housing <sup>(1)</sup>	Optional Internal Diffusing Lens <sup>(2)</sup>	Option Fixed Dimming Resistor Board
<b>VCOB-MS805</b> Main Street, LED Conversion Kit	<b>4L</b> 4L	<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	<b>TS</b> Type Symmetric <b>TA</b> Type Asymmetric	<b>MDL02</b> 120V-277V, 250mA <b>MDH02</b> 347V-480V, 250mA <b>MDL03</b> 120V-277V, 350mA <b>MDH03</b> 347V-480V, 350mA <b>MDL05</b> 120V-277V, 500mA <b>MDH05</b> 347V-480V, 500mA	<b>682</b> Driver Housing Cover (Required for units manufactured prior to 2004)	<b>SV2</b> Cylindrical Soft Vue Medium Diffused Acrylic <b>SV4</b> Cylindrical Soft Vue Maximum Diffused Acrylic	<b>FDRB</b> Fixed Dimming Resistor Board

**Notes:**

1. Required for units manufactured prior to 2004

2. Not for use with TA optic