

Project Name

Qty

Type

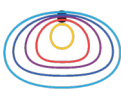
Catalog / Part Number



Certifications



Distribution Type



Type
Asymmetric



Type
Symmetric

CCT - Color Temp (K)



2,700K



3,000K



3,500K

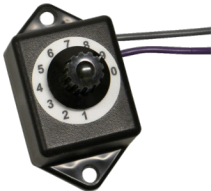


4,000K



5,000K

Optional Fixed Dimming Resistor Board



Fixed Dimming Resistor
Board

Description

The **LED-1432/LED-1435** conversion kit transforms existing Sternberg 1432/1435 Roadway series HID 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.

Features

Series	LED-1432: Roadway, Conversion Kit LED-1435: Roadway, Conversion Kit	
Optional Driver Housing	682: Driver Housing Cover (Required for units manufactured prior to 2004) 682M: Driver housing required for decorative fitters manufactured between 1985 and before.	
Optional Fixed Dimming Resistor Board	FDRB: Fixed Dimming Resistor Board	
Light Source		
LED	4L: 4 LEDs	
CCT - Color Temp (K)	27: 2,700K 40: 4,000K	30: 3,000K 50: 5,000K
Distribution Type	TA: Type Asymmetric	TS: Type Symmetric
Driver	MDL02: 120V-277V, 250mA MDL03: 120V-277V, 350mA MDL05: 120V-277V, 500mA	MDH02: 347V-480V, 250mA MDH03: 347V-480V, 350mA MDH05: 347V-480V, 500mA

Important

Virtual Patent Marking Notice

This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

How to Order

Series	LED	CCT - Color Temp (K)	Distribution Type	Driver	Optional Driver Housing	Optional Fixed Dimming Resistor Board
LED-1432 Roadway, Conversion Kit	4L 4 LEDs	27 2,700K	TA Type Asymmetric	MDL02 120V-277V, 250mA	682 Driver Housing Cover (Required for units manufactured prior to 2004)	FDRB Fixed Dimming Resistor Board
LED-1435 Roadway, Conversion Kit		30 3,000K		MDH02 347V-480V, 250mA		
		40 4,000K		MDL03 120V-277V, 350mA		
		50 5,000K		MDH03 347V-480V, 350mA		
				MDL05 120V-277V, 500mA	682M Driver housing required for decorative fitters manufactured between 1985 and before.	
				MDH05 347V-480V, 500mA		

Specifications

Conversion Kit	Includes an aluminum carrier plate with an LED driver and surge protector on a bracket. Four vertical aluminum heat sinks each support a single COB LED for thermal management.
Fitter Generation	There are physical differences in the decorative fitter an existing units. Older generation fitters will require a Driver Housing A 1st generation fitter was supplied <u>through 1985</u> and will require a 682M Driver Housing A 2nd generation fitter was supplied from <u>1986 through 2004</u> and will require a 682 Driver Housing A 3rd generation fitter was supplied <u>after 2005</u> till today and does not require an additional Driver Housing Consult factory for more information
LEDs	The luminaire shall use high output, high brightness LEDs, 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 LED's will have a predicted lumen depreciation of approximately 100,000 hours with greater than 70% of initial output. The High Brightness, High Output LEDs shall be 4000K (2700K, 3000K, 3500K or 5000K option) correlated color temperature (CCT). Photometrics comply with LM79 testing standards. CCT Lumen Derate Values from 4,000K (70+ CRI) 2,700K (80+ CRI)= .88 3,000K (70+ CRI)= .97 3,500K (80+ CRI)= .93 5,000K (70+ CRI)= 1.01 Consult factory for custom correlated color temperature (CCT) or color rendering index (CRI).
UL Listing	UL listed per UL1598 and CSA C22.2 No. 250.0 for the United States and Canada. Suitable for Wet Locations operating in an ambient temperature of up to 40°C (105°F)
Electronic Driver	The LED driver is UL recognized and will be securely mounted inside the fixture, for optimized performance and longevity. It will be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections for fixture installation and maintenance. It will have DC voltage output and be a constant current design. It runs at 50/60HZ and will have overload, overheat, and short circuit protection. It will be supplied with a supplemental line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It will be a high efficiency driver with a THD less than 20% and a high-power factor greater than .9. It will be dimming capable using a 0-10V signal, consult factory for more information.
Fixed Dimming Resistor Board (FDRB)	Optional numbered 10-step selector switch allows for fine adjustment of the light levels in the field, repeatable from location to location. Offers dimming from 25% to 100% of the original output. Enclosure is composite material, sealed to protect components for the life of the product.
Warranty	7-year limited warranty. See Website for Terms and Conditions.

Lumen Chart(s)

Model #	T3 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T4 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T5 DELIVERED LUMENS	BUG	EFFICACY (LPW)	WATTAGE
4L40T_-MDL05	4600	B2U3G2	61.3	3895	B2U3G2	51.9	3945	B3U3G1	52.6	75
4L30T_-MDL05	4455	B2U3G2	59.4	3775	B2U3G2	50.3	3820	B3U3G1	50.9	75
4L27T_-MDL05	4050	B2U3G2	54.0	3430	B2U3G2	45.7	3475	B3U3G1	46.3	75
4L40T_-MDL03	3600	B1U3G2	65.5	3050	B2U3G2	55.5	3070	B2U3G1	55.8	55
4L30T_-MDL03	3485	B1U3G2	63.4	2955	B2U3G2	53.7	2975	B2U3G1	54.1	55
4L27T_-MDL03	3170	B1U3G2	57.6	2685	B2U3G2	48.8	2705	B2U3G1	49.2	55
4L40T_-MDL02	2665	B1U3G1	66.6	2250	B1U3G1	56.3	2265	B2U3G1	56.6	40
4L30T_-MDL02	2580	B1U3G1	64.5	2180	B1U3G1	54.5	2195	B2U3G1	54.9	40
4L27T_-MDL02	2345	B1U3G1	58.6	1980	B1U3G1	49.5	1995	B2U3G1	49.9	40