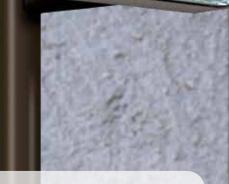
XCHM3 LED Challenger® Medium Area Light and XCHM3K Retrofit Kit



Marketing Positioning Statement

XCHM3 is the perfect blend of performance and style for your parking lot lighting - exceptional uniformity. Utilizing a sleek, radiused aerodynamically designed housing, the XCHM3 has lower EPAs enabling the usage of lighter gauge poles, lowering initial costs. With more lumens, greater performance and better energysaving features, the XCHM3 replaces up to 400W MH with 9,600-15,400 lumens, new XCHM3K retrofit kit enables you to upgrade your existing HID Challenger Medium fixture with a one-piece kit to start saving energy immediately.



Leading Selling Features

- □ SmartTecTM Control Technology "Industry First"
- Low Total Cost of Ownership
- Outstanding Uniformity & Visual Comfort
- Leading Selection of Light Output Options
- Unparalleled Speed & Ease of Installation
- Exceptional Reliability in an LED Area Light
- Provides Architectural Styling for any Site



Thermal Management	 SmartTecTM Control Technology – "Industry First" LSI proprietary "SmartTec" heat dissipation system Fixture temperature lowered automatically when needed in imperceptible 5% increments until safe operating temperature is reached Sensors in optical unit and/or driver initiate temperature correction Finless heat sink design to more effectively dissipate heat over time
Annual Energy & Maintenance Savings	Low Total Cost of Ownership – Quick Payback \$1,926 savings for (20) XCHM3 350mA fixtures replacing (20) 250W MH fixtures \$2,960 savings for (20) XCHM3 450mA fixtures replacing (20) 400W MH fixtures Based upon 12 hour daily operation at \$.10kwh
Clear Flat Optical Grade Tempered Glass Lens	Outstanding Uniformity & Visual Comfort Superior performance & value through sealed lens, precision reflectors and industry's best LEDs 5 times more impact resistant than standard glass Won't discolor, craze or cloud up like acrylic lenses Cleans easily
Lumen Output	Wide range of lumen outputs available by varying the reflector types and drive currentsWide lumen range of 9600 to 15400 available, providing a choice of lumen outputs for the customer's specific requirementsCreates a brighter environment at lower light levelsLIGHT OUTPUT - XCHM3
Multitude of Distribution Patterns	 Leading Selection of Light Output Options Choices of type 3, 5 or FT By increasing drive currents from 350mA to 450mA, light distribution patterns are enhanced with greater lumen output Exceptional uniformity creates bright environment at lower light levels Improved backlight cutoff minimizes light trespass House side shield available for even more backlight cutoff Application staff available to determine best distribution pattern LM79 & LM80 reports available

128 LED Array137 or 180 watt choice137 watt (350mA) is ideal replacement for 250W MH180 watt (450mA) is ideal replacement for 400W MH

Color Rendering Index	CRI of 70 facilitates recognition of specific colors of various objects to meet industry standards
Color Temperature	Cool white - 5250K provides bright and pleasing area lighting at reduced foot candle levels Neutral white – 4100K for a warmer color temperature
Temperature Range	-40°C to +50°C (-40°F to 122°F) Suitable for use in a wide range of ambient temperatures
Two Drive Currents	 350mA and 450mA available Expands available solutions for customer specific applications 350mA is the most energy efficient, while higher drive current can be utilized to drive for greater lumen output
Input Voltage	Universal voltage 120V thru 277V (50/60hz input): 347V-480V also available
	Unparalleled Speed & Ease of Installation
XCHM3 Mounting	Use with 5" traditional drilling pattern Extruded radius 8" arm shipped standard and is compatible with all fixture mounting configurations
XCHM3K Mounting	Also mountable to 3"-5" round poles using round pole plate adaptor One-piece gasketed, hinged optical assembly with driver Simply remove existing door, HID ballast and reflector assembly Easily and quickly install new hinged LED optic/door assembly
Maintenance-Free	Results in immediate dramatically improved lighting & energy savings Once installed, the XCHM3 is virtually maintenance free
	Exceptional Reliability in an LED Area Light
American Made	All products designed and manufactured in the U.S.
Environmentally Responsible	With exceptional "green" technology, XCHM3 and XCHM3K are RoHS compliant Greater than 80% recyclable by weight
Housing	Superior durability in a radiused aluminum housing Utilizes stainless steel or electro-zinc plated mounting hardware Excellent surface finishing and dimensional consistency
Gasketing	 Luminaire optical assembly permanently sealed with robotically applied polyurethane All external seals for additional fasteners, options, etc. are EPDM or silicone rubber for robustness to pressure and temperature changes and environmental, aging and UV resistance Redundant fail-safe seals used in most areas for additional luminaire protection

Finish Long-Life	 LSI's DuraGrip polyester powder coat - resists corrosion and is scratch and ding resistant Withstands extreme weather changes without cracking or peeling. Exhibits excellent durability and resistance to ultraviolet rays Meets ASTM B117 1000-hour salt fog and ASTM G155 1000-hour Xenon ARC UV tests Up to 100,000 hours of expected life 5X the lamp life expectancy of HID Once installed, virtually maintenance free
Pressure Stabilizing Vent/Breather	Equalizes pressure in fixture optical unit preventing pressure buildup due to ambient temperature changes, protecting gaskets and seals over the life of the fixture
Protection	Driver components fully encased in potting material for IP65 moisture resistance. Optical unit rated IP67 Driver complies with IEC and FCC standards
Warranty	Limited 5-year warranty
Surge Protector Options/Accessories	 Two-stage surge protection including separate surge protection built into electronic driver Meets IEEE C62.41.2-2002, Location Category C Prevents damage to fixture due to unexpected "surge" or "swell" in AC Line Voltage PCR twist-lock photoelectric control receptacle and twist-lock photocells House side shield Dewnd role memory plate edeptor
	Round pole mounting plate adaptor Decorative radius arm and upsweep bracket

Provides Architectural Styling for any Site

Attractive/Clean StylingPerformance, energy efficiency and maintenance benefits of LED in a conventional
housing designSleek, radiused aerodynamically designed housing with lower EPA requirements



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