

XGBM LED Area Lighting

Leading Specification Features

Crossover®
LED LIGHTING TECHNOLOGY



Marketing Positioning Statement

XGBM LED Area Lighting couples industry leading LED Crossover technology with the conventional Greenbriar form. Incorporating top access for easy installation and driver access, the XGBM LW replaces up to 400W HID with 140W LED, and the XGBM HO LED replaces up to 1000W HID with 300W LED. Exceptional high-brightness LEDs result in both higher light levels and significant energy savings.



Leading Specification Features

SmartTec Control Technology - Industry First

Thermal Management LSI proprietary SmartTec heat dissipation system
 Fixture temperature lowered automatically when needed in imperceptible increments until safe operating temperature is reached
 Finless heat sink design to more effectively dissipate heat over time

Optional Integral Motion (IMS) Dims at 30% of maximum drive current when target zone is absent of motion activity for ~ 2 minutes

Bi-Level Switching (BLS) Optional low light level reduced to 30% of maximum drive current via 120V-277V controls by others

Dimming (DIM) Optional 0-10V Dimming enabled with controls by others
 Optional LSI wireless control and information systems

Low Total Cost of Ownership - Quick Payback

Annual Energy & Maintenance Savings \$3,310 savings for (20) XGBM LED LW fixtures replacing (20) 400W MH fixtures
 \$6,052 savings for (20) XGBM LED SS fixtures replacing (20) 750W MH fixtures
 \$7,322 savings for (20) XGBM LED HO fixtures replacing (20) 1000W MH fixtures

Payback Analysis ROI of 4.4 years for XGBM LED LW example above
 ROI of 2.75 years for XGBM LED SS example above
 ROI of 2.30 years for XGBM LED HO example above

Outstanding Uniformity & Visual Comfort

Clear Flat Optical Grade Tempered Glass Superior performance & value through sealed lens, precision reflectors and industry's best LEDs

Lens 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, LED quantities and drive currents
 Wide lumen range of 11,290 to 31,810 available, providing a choice of lumen outputs for the customer's specific requirements
 Creates a brighter environment at lower light levels

LIGHT OUTPUT - XGBM						
		Lumens (Nominal)				Watts (Nominal)
		Type 3	Type 5	Type FT	Type FTA	
Cool White	LW	14080	13840	15020	16560	140
	SS	20180	18040	20700	23030	187
	HO	26750	25460	29070	31810	300
Neutral White	LW	11450	11290	12220	13470	136
	SS	16390	15170	17230	18750	188
	HO	22240	20550	23510	25410	288

LED Chips are frequently updated therefore values may increase.

Leading Specification Features

Leading Selection of Light Output Options

Multitude of Distribution Patterns Choice of type 3, 5, FT and FTA

The optical unit can be field rotatable in 90° increments

By increasing drive currents from LW to SS or HO, light distribution patterns are enhanced with greater lumen output

Exceptional uniformity with full cutoff 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

136, 140, 187, 188, 288 or 300 watt choice

140W (LW) is ideal replacement for 400W MH

187W (SS) is ideal replacement for 750W MH

300W (HO) is ideal replacement for 1000W MH

Color Rendering Index CRI of 70 facilitates recognition of specific colors of various objects to meet industry standards

Color Temperature Cool white - 5250°K provides bright and pleasing area lighting at reduced foot candle levels

Neutral white - 4000°K 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

Life expectation based on rated maximum, not on nighttime average

Three Drive Currents Low Watt, Super Saver and High Output available

Expands available solutions for customer specific applications

LW and SS are 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

Mounting Tethered top-access cover provides ease of installation and allows for easy driver access

Four captive stainless-steel fasteners secure the gasketed top-access cover to the housing

Use with standard 5" 2-hole pattern steel round, square and round tapered poles (order round pole plates separately)

Maintenance-Free Once installed, the XGBM is virtually maintenance free

Exceptional Reliability in an LED Area Light

Environmentally Responsible With exceptional "green" technology, XGBM is RoHS compliant

Greater than 80% recyclable by weight

Housing Superior durability in a die-formed aluminum square housing

Excellent surface finishing and dimensional consistency

Optional color coordinated decals available to enhance site color scheme

Weather-tight Fully enclosed weather tight wet-location housing contains prewired driver field connections

Optical unit rated IP67

Gasketing Luminaire optical assembly permanently sealed with robotically applied polyurethane

All external seals for 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 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

Long-Life Up to 100,000 hours of expected life equates to 11.4 years burning 24/7
5X the lamp life expectancy of HID
Once installed, virtually maintenance free

Protection IP67 on sealed optical assembly provides total dust ingress protection, temporary liquid submersion protection

Surge Protector Two-stage surge protection including separate surge protection built into electronic driver
Meets Scenario 1, Location Category C Low
Prevents damage to fixture due to unexpected "surge" or "swell" in AC Line Voltage

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

Warranty Limited 5-year warranty

Options/Accessories Button-Type Photocell
Dimming and bi-level switching
House side shield
Integral motion sensor
Round pole and wall mount plate
LSI integrated wireless control and
Terminal block for ease of wiring information system
Decorative radius arm and upsweep bracket

DLC Selected versions of this product are on the DLC Qualified Products List (QPL). Consult the LSI website or the DLC QPL website at www.designlights.org for specific products listed.

Provides Conventional Styling for any Site

Attractive/Clean Styling Performance, energy efficiency and maintenance benefits of LED in a conventional housing design

