# LED AREA LIGHTS - (XGBM)

**Crossover®**
*LED LIGHTING TECHNOLOGY*



**DARK-SKY FRIENDLY**

**Shown with optional decal striping**

**SMARTTEC™ THERMAL CONTROL -** LSI drivers feature integral sensor which reduces drive current when ambient temperatures exceed rated temperature.

**OCCUPANCY SENSING (IMS) –** Optional integral passive infrared motion sensor activates switching of luminaire light levels. High level light is activated and increased to full bright in 1-2 seconds upon detection of motion. Low light level (30% maximum drive current) is activated when target zone is absent of motion activity for ~2 minutes and ramps down (10-15 seconds) to low level to allow eyes time to adjust. Sensor is located on the front of optical assembly and rotates with the optic. Sensor optic has a detection cone of approximately 45⁰. Examples of detection – occurs 30' out from a 30' mounting height pole; occurs 20' out from a 20' mounting height pole.

**ENERGY SAVING CONTROL OPTIONS –** DIM – 0-10 volt dimming enabled with controls by others. BLS – Bi-level switching responds to external line voltage signal from separate 120-277V controller or sensor (by others), with low light level decreased to 30% maximum drive current.

**EXPECTED LIFE -** Minimum 60,000 hours to 100,000 hours depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.

**LEDS -** Select high-brightness LEDs in Cool White (5250°K nominal) or Neutral White (4000°K nominal) color temperature, 70 CRI (nominal).

**DISTRIBUTION/PERFORMANCE -** Types 3, 5, FT and FTA available - field rotatable reflectors.

**HOUSING -** Square, die-formed aluminum. Fully enclosed weather-tight housing contains factory prewired drivers and field connections.

**TOP-ACCESS COVER -** Gasketed, tethered top-access cover provides ease of installation and allows for easy driver access. Four captive stainless-steel fasteners secure the top-access cover to the housing.

**OPTICAL UNIT -** Clear tempered optical grade flat glass lens sealed to aluminum housing creates an IP67 rated, sealed optical unit (includes pressure stabilizing breather). Optical unit can be easily field rotated in 90⁰ increments. Directional arrow on optics allows alignment without the unit being energized.

**MOUNTING -** 2-1/2" x 5-3/8" x 12" extruded aluminum arm mounting bracket shipped standard. Use with 5" traditional drilling pattern. Round Pole Plate (RPP2) required for mounting to 3"– 5" round poles. (See Accessory Ordering Information chart.)

**ELECTRICAL -** Two-stage surge protection (including separate surge protection built into electronic driver) meets Location Category C Low. Available with universal voltage power supply 120-277VAC (UE - 50/60Hz input), and 347-480VAC.

**DRIVERS -** Available in Low Watt (LW), Super Saver (SS) and High Output (HO) drive currents (Drive currents are factory programmed). Components are fully encased in potting material for moisture resistance. Driver complies with FCC 47 CFR part 15 RFI/EMI standard.

**OPERATING TEMPERATURE -** -40ºC to +50ºC (-40ºF to +122ºF).

**FINISH -** Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling.

**DECAL STRIPING -** LSI offers optional color-coordinated decals in 9 standard colors to accent the fixture. Decals are guaranteed for five years against peeling, cracking, or fading.

**WARRANTY -** LSI LED fixtures carry a limited 5-year warranty.

**PHOTOMETRICS -** Application layouts are available upon request. Contact LSI Applications Group at lighting.apps@lsi-industries.com

**SHIPPING WEIGHT (in carton) -** Fixture - 44.5 lbs (20 kg)    Arm - 5 lbs. (2kg) arm

**LISTING -**UL listed to U.S. and Canadian safety standards. Suitable for wet locations.

### 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 |

**This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.**

**American Innovation**

**American Made**

RoHS COMPLIANT    FC    CE    c(UL)us LISTED wet location

**ARRA** Funding Compliant    V enabled    IP67

Fixtures comply with ANSI C136.31-2010 American National Standard for Roadway Lighting Equipment - Luminaire Vibration 3G requirements.

**LSi Industries™**
*American Innovation Through Technology*

Project Name _____

Catalog # _____

Fixture Type _____

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## LUMINAIRE ORDERING INFORMATION

**TYPICAL ORDER EXAMPLE:** **XGBM 5 LED HO CW UE WHT VCM ES**

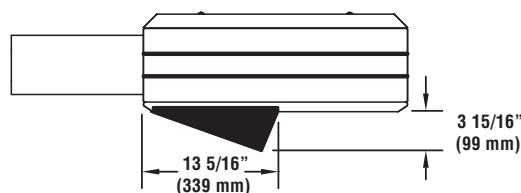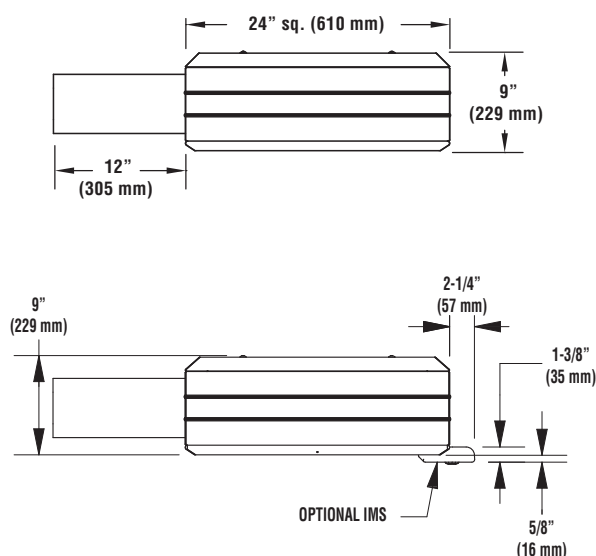| Prefix | Distribution | Light Source | Drive Current | Color Temperature | Input Voltage | Finish | Optional Controls | Optional Sensor/Options |
|---|---|---|---|---|---|---|---|---|
| XGBM[1] - LED Greenbriar | FT - Forward Throw<br>FTA - Forward Throw Automotive<br>3 - Type III<br>5 - Type V | LED | LW - Low Watt<br>SS - Super Saver<br>HO - High Output | CW - Cool White<br>NW - Neutral White | UE - Universal Voltage (120-277)<br><br>347-480 | BLK - Black<br>BRZ - Bronze<br>GPT - Graphite<br>MSV - Metallic Silver<br>PLP - Platinum Plus<br>SVG - Satin Verde Green<br>WHT - White<br><br>**Optional Color Decals**<br>45 – Light Gold<br>20 – Charcoal Metallic<br>55 – Black<br>94 – Blue Metallic<br>59 – Dark Green<br>51 – Dark Red<br>21 – Tomato Red<br>50 – White<br>700 – Aztec Silver Metallic | **Virtinet Wireless Network**<br>(requires a Ventura controller/Malibu link)<br>(blank) - None<br>VCM - Standard (revenue grade)<br>VCMH - Standard (Host)<br>DIM - 0-10 volt dimming<br>(required for satellite fixtures)<br><br>**Stand-Alone Control**<br>(blank) - None<br>DIM[2] - 0-10V Dimming (from external signal)<br>BLS[3] - Bi-level Switching (from external signal - requires 120-277V controls system voltage) | **Sensor**<br>ES[4] - External Sensor<br>IMS[5] - Integral Motion Sensor<br>PCI 120 - 120v Button-Type Photocell<br>PCI 208 - 208v Button-Type Photocell<br>PCI 240 - 240v Button-Type Photocell<br>PCI 277 - 277v Button-Type Photocell<br>PCI 347 - 347v Button-Type Photocell<br><br>**Options**<br>8BK - 8" Bracket (S and D180 only)<br>TB - Terminal Block |

### LUMINAIRE EPA CHART[2] - XGBM

| | | 8" Bracket | 12" Bracket |
|---|---|---|---|
| ▬ | Single | 2.3 | 2.4 |
| ▬▪▬ | D180° | 4.7 | 4.8 |
| | D90° | | 4.7 |
| | T90° | 12" Bracket | 7.2 |
| | TN120° | Required | 7.3 |
| | Q90° | | 8.8 |

**Note:** House Side Shield adds to fixture EPA. Consult Factory.

### ACCESSORY ORDERING INFORMATION
(Accessories are field installed)

| Description | Order Number | Description | Order Number |
|---|---|---|---|
| XGBM - HSS - House Side Shield (Black only) | 482002 BLK[6] | RPSB120 - Wet Location Remote Box with 120V External Photocell | C/F[7] |
| RPP2 - Round Pole Plate | 162914BLK | RPSB208-277 - Wet Location Remote Box with 208-277V External Photocell | C/F[7] |
| BKS-BO-WM-*-CLR - Wall Mount Plate | 123111CLR | | |
| BKA-BO-RA-8-CLR - Radius Arm | 169010CLR | PMOS120 - 120V Pole-Mount Occupancy Sensor | 518030CLR[8] |
| BKU-BO-S-19-CLR - Upsweep Bracket for round or square poles | 144191CLR | PMOS208/240 - 208, 240V Pole-Mount Occupancy Sensor | C/F[8] |
| ROSB120 - WL Remote Box with 120V Occupancy Sensor | C/F[7] | PMOS277 - 277V Pole-Mount Occupancy Sensor | 518029CLR[8] |
| ROSB277 - WL Remote Box with 277V Occupancy Sensor | C/F[7] | | |

**FOOTNOTES:**
1 - Use with 5" traditional drilling pattern
2 - IMS, DIM and BLS are not compatible on SS drive current with 347-480V, consult factory regarding dimming.
3 - IMS, DIM and BLS are not compatible.
4 - Do not specify for satellite units.
5 - Not compatible with Virtinet wireless systems, DIM or BLS.
6 - House Side Shield adds to fixture EPA. HSS must be mounted opposite of IMS. Consult factory.
7 - Includes VCM. To be used in conjunction with VCM option in fixture. Consult factory.
8 - To be used in conjunction with any of the VCM control modules and ES sensor option in fixture. Consult factory.

## DIMENSIONS



24" sq. (610 mm)
9" (229 mm)
12" (305 mm)

3 15/16" (99 mm)
13 5/16" (339 mm)

9" (229 mm)
2-1/4" (57 mm)
1-3/8" (35 mm)
5/8" (16 mm)
OPTIONAL IMS

**House Side Shield (482002BLK)**
4-1/8" (105 mm)

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