



Advertise Date: Friday, May 01, 2020

Lee County Board of County Commissioners  
DIVISION OF PROCUREMENT MANAGEMENT

INVITATION TO BID (B)

Solicitation No.: B200271MIF

Solicitation Name: Lee County DOT Roadway Lighting

Open Date/Time: Thursday, June 04, 2020 Time: 2:30 PM

Location: Lee County Procurement Management  
2115 Second Street, 1st Floor  
Fort Myers, FL 33901

Procurement Contact: Miguel Flores Title: Procurement Analyst

Phone: (239) 533-8835 Email: [mflores@leegov.com](mailto:mflores@leegov.com)

Requesting Dept. Transportation

Pre-Bid Conference:  
Type: No meeting scheduled at this time

All solicitation documents are available for download at  
[www.leegov.com/procurement](http://www.leegov.com/procurement)



Advertisement Date: 5/1/2020

## Notice to Bidder

### Invitation to Bid (B)

Lee County, Florida, is requesting bids from qualified individuals/firms for

#### **Lee County DOT Roadway Lighting**

Then and there to be publicly opened and read aloud for the purpose of selecting a vendor to furnish all necessary labor, services, materials, equipment, tools, consumables, transportation, skills and incidentals required for Lee County, Florida, in conformance with solicitation documents, which include technical specifications and/or a scope of work.

Those individuals/firms interested in being considered for this solicitation are instructed to submit, in accordance with specifications, their Bids, pertinent to this project prior to

**2:30 PM Thursday, June 4, 2020**

to the office of the **Procurement Management Director, 2115 Second Street, 1st Floor, Fort Myers, FL 33901**. The Invitation to Bid shall be received in a sealed envelope, prior to the time scheduled to receive Bid(s), and shall be clearly marked with the solicitation name, solicitation number, bidder name, and contact information as identified in these solicitation documents.

The Scope of Work/Specifications for this solicitation is available from [www.leegov.com/procurement](http://www.leegov.com/procurement). Bidders who obtain Scope of Work/Specifications from sources other than [www.leegov.com/procurement](http://www.leegov.com/procurement) are cautioned that the solicitation package may be incomplete. The County's official bidders list, addendum(s) and information must be obtained from [www.leegov.com/procurement](http://www.leegov.com/procurement). It is the bidder's responsibility to check for posted information. The County may not accept incomplete Bids.

#### **There will be no Pre-Bid Conference for this solicitation.**

It has been determined that the specifications and scope of work within this solicitation are adequate to describe the product or services being requested. A pre-bid conference and site visit has not been scheduled for this solicitation. Questions regarding this solicitation are to be directed, in writing, to the individual listed below using the email address listed below or faxed to (239) 485 8383 during normal working hours.

**Miguel Flores** [mflores@leegov.com](mailto:mflores@leegov.com)

Sincerely,

A handwritten signature in blue ink that reads "Lindsay Cepero".

Lindsay Cepero, CPPB  
Procurement Manager

\*[WWW.leegov.Com/Procurement](http://WWW.leegov.Com/Procurement) is the County's official posting site

## Terms and Conditions

### INVITATION TO BID (B)

#### 1. DEFINITIONS

- 1.1. **Addendum/Addenda:** A written change, addition, alteration, correction or revision to a bid, proposal or contract Agreement/Contract. Addendum/Addenda may be issued following a pre-bid/pre-proposal conference or as a result of a specification or work scope change to the solicitation.
- 1.2. **Approved Alternate:** Solicitation documents may make reference of specific manufacturer(s) or product(s). These references serve only as a recommendation and a guide to minimum quality and performance. The references are not intended to exclude approved alternatives of other manufacturer(s) or product(s).
- 1.3. **Bid/Proposal Package:** A bid/proposal is a document submitted by a vendor in response to some type of solicitation to be used as a basis for negotiations or for entering into a contract.
- 1.4. **Bidder/Responder/Proposer:** One who submits a response to a solicitation.
- 1.5. **County:** Refers to Lee County Board of County Commissioners.
- 1.6. **Due Date and Time/Opening:** Is defined as the date and time upon which a bid or proposal shall be submitted to the Lee County Procurement Management Division. Only bids or proposals received prior to the established date and time will be considered.
- 1.7. **Liquidated Damages:** Damages paid usually in the form of monetary payment, agreed by the parties to a contract which are due and payable as damages by the party who breaches all or part of the contract. May be applied on a daily basis for as long as the breach is in effect.
- 1.8. **Procurement Management:** shall mean the Director of Lee County's Procurement Management Department or designee.
- 1.9. **Responsible:** A vendor, business entity or individual who is fully capable to meet all of the requirements of the bid/proposal solicitation documents and subsequent contract. Must possess the full capability including financial and technical, to perform as contractually required. Must be able to fully document the ability to provide good faith performance.
- 1.10. **Responsive:** A vendor, business entity or individual who has submitted a bid or request for proposal that fully conforms in all material respects to the bid/proposal solicitation documents and all of its requirements, including all form and substance.
- 1.11. **Solicitation:** An invitation to bid, a request for proposal, invitation to negotiate or any document used to obtain bids or proposals for the purpose of entering into a contract.

#### 2. ORDER OF PRECEDENCE

- 2.1. In resolving conflicts, errors, and discrepancies, the order of precedence of the bid document is as follows
  - 2.1.1. Florida State Law as applied to Municipal Purchasing in accordance with Title XIX, "Public Business", Chapter 287 "Procurement of Personal Property and Services."
  - 2.1.2. Lee County Procurement Management Ordinance 18-22
  - 2.1.3. Change Order
  - 2.1.4. Agreement
  - 2.1.5. Addenda
  - 2.1.6. Special Conditions
  - 2.1.7. Detailed Scope of Work/Specifications
  - 2.1.8. Supplemental Information, if any
  - 2.1.9. Terms and Conditions

#### 3. RULES, REGULATIONS, LAWS, ORDINANCES AND LICENSES

- 3.1. It shall be the responsibility of the bidder to assure compliance with all other federal, state, or county codes, rules, regulations or other requirements, as each may apply. Any involvement with the Lee County shall be in accordance with but not limited to:
  - 3.1.1. Lee County Procurement Management Ordinance 18-22
  - 3.1.2. Pursuant to FL § Section 119.071, Public Records, General exemptions from inspection or copying of public records. Sealed bids, proposals or replies received by the agency pursuant to a solicitation are exempt from public records request (s. 119.07(1) and s. 24(a), Art. I, of the State Constitution until such time as the agency provides notice of an intended decision or until 30 days after opening the bids, proposals or final replies, whichever is earlier.

- 3.1.3. FL § 215 regarding scrutinized companies and business operations.
- 3.1.4. FL § 218 Public Bid Disclosure Act.
- 3.1.5. Florida State Law as applied to Municipal Purchasing in accordance with Title XIX, “Public Business”, Chapter 287 “Procurement of Personal Property and Services.”
- 3.1.6. FL § 337.168 Confidentiality of official estimates, identities of potential bidders, and bid analysis and monitoring system.
- 3.1.7. FL § Section 607.1501(1) states: A foreign corporation may not transact business in the State of Florida until it obtains a certificate of authority from the Department of State.
- 3.2. **Local Business Tax Account:** As applicable, anyone providing merchandise or services to the public within the jurisdiction of Lee County must obtain a Lee County business tax account to operate unless specifically exempted.
- 3.3. **License(s):** Bidder should provide, at the time of the opening of the bid, licenses required for this product and/or service.

#### 4. BID – PREPARATION OF SUBMITTAL

- 4.1. **Sealed Bid:** Submission must be in a sealed envelope/box, and the outside of the submission must be marked with the following information (Sealed Bid Label Form is attached for your use):
  - 4.1.1. Marked with the words “Sealed Bid”
  - 4.1.2. Bid Number
  - 4.1.3. Bid Title
  - 4.1.4. Bid Due Date
  - 4.1.5. Name of the firm submitting the bid
  - 4.1.6. Contact e-mail and telephone number
- 4.2. **Bid submission shall include:**
  - 4.2.1. Provide two (2) hard copies. Mark each: one “Original”, one “Copy”
  - 4.2.2. Provide one (1) electronic flash drive set of the entire submission documents.
  - 4.2.3. Electronic submission document is to be one single Adobe PDF file in the same order as the original hard copy.
  - 4.2.4. Limit the color and number of images to avoid unmanageable file sizes.
  - 4.2.5. Do not lock files.
- 4.3. **Submission Format:**
  - 4.3.1. Required Forms: complete and return **all** required forms. If the form is not applicable please return with “Not Applicable” or “N/A” in large letters across the form.
  - 4.3.2. Failure to submit required or requested information may result in the bidder being found non-responsive.
  - 4.3.3. Execution of Bid: All documents must be properly signed by corporate authorized representative, witnessed, and where applicable corporate and/or notary seals affixed. All Bids shall be typed or printed in ink. The bidder may not use erasable ink. All corrections made to the bids shall be initialed.
  - 4.3.4. If a cost/bid schedule was provided in Microsoft Excel format, the returned completed schedule should be included as a Microsoft Excel File on the Flash drive.
  - 4.3.5. The submission should not contain links to other web pages.
  - 4.3.6. Include any information requested by the County necessary to analyze your bid, i.e., required submittals, literature, technical data, financial statements.
  - 4.3.7. Bid Security/Bond(s), as applicable (Construction projects)
- 4.4. **Preparation Cost:** The Bidder is solely responsible for any and all costs associated with responding to this solicitation. No reimbursement will be made for any costs associated with the preparation and submittal of any bid, or for any travel and per diem costs that are incurred by any Bidder.

#### 5. RESPONSES RECEIVED LATE

- 5.1. It shall be the Bidder’s sole responsibility to deliver the bid submission to the Lee County Procurement Management Division prior to or on the time and date stated. All references to date and time herein reference Lee County, FL local time.
- 5.2. Any bids received after the stated time and date will not be considered. The bid shall not be opened at the public opening. Arrangements may be made for the unopened bid to be returned at the bidder’s request and expense.

- 5.3. The Lee County Procurement Management Division shall not be responsible for delays caused by the method of delivery such as, but not limited to; internet, United States Postal Service, overnight express mail service(s), or delays caused by any other occurrence.

## 6. BIDDER REQUIREMENTS (unless otherwise noted)

- 6.1. **Responsive and Responsible:** Only bids received from responsive and responsible bidders will be considered. The County reserves the right before recommending any award to inspect the facilities and organization; or to take any other necessary action, such as background checks, to determine ability to perform is satisfactory, and reserves the right to reject submission packages where evidence submitted or investigation and evaluation indicates an inability for the bidder to perform.
- 6.1.1. Additional sources may be utilized to determine credit worthiness and ability to perform.
- 6.1.2. Any bidder or sub-contractor that will have access to County facilities or property may be required to be screened to a level that may include, but is not limited to fingerprints, statewide criminal. There may be fees associated with these procedures. These costs are the responsibility of the bidder or sub-contractor.
- 6.1.3. Bidders are responsible for ensuring that any required background screening are conducted in accordance with Chapter 435. Bidders shall be aware, understand, and ensure compliance with the statutory requirements regarding background checks. FL Statutes Chapter 435 governs required background screenings for any employees, contractors, subcontractors, or agents of the Bidder who will have contact with any vulnerable person, as defined by statute, or who otherwise are required to undergo a Level 1 or Level 2 background screening in accordance with Florida law. Such requirements shall flow down to sub-contractors/consultants of the prime Bidder and prime Bidder shall ensure compliance with Chapter 435 of such parties.
- 6.1.3.1. Documentation of such completed background screenings must be maintained for a period of no less than five (5) years and are subject to audit by Lee County at any time during such five (5) year period.
- 6.2. **BID--Past Performance:** Bidders past performance and prior dealings with Lee County (i.e., failure to meet specifications, poor workmanship, late delivery, etc.) may be reviewed. Poor or unacceptable past performance may result in bidder disqualification.
- 6.3. Submission packages, unless otherwise noted, will be considered only from bidders normally engaged in the provision of the services specified here in. The bidder shall have adequate organization, facilities, equipment, and personnel to ensure prompt and efficient service to Lee County. The County reserves the right before recommending any award to inspect the facilities and organization; or to take any other action necessary to determine ability to perform satisfactorily, and reserves the right to reject submission packages where evidence submitted or investigation and evaluation indicated an inability of the bidder to perform.

## 7. PRE-BID CONFERENCE

- 7.1. A pre-bid conference will be held in the location, date, and time specified on the cover of this solicitation. The cover will also note if the pre-bid conference is Non-Mandatory or Mandatory. All questions and answers are considered informal. All prospective bidders are encouraged to obtain and review the solicitation documents prior to the pre-bid conference so they may be prepared to discuss any questions or concerns they have concerning this project. All questions must be submitted formally in writing to the procurement staff noted on the first page of the bid document. A formal response will be provided in the form of an addendum (see "County Interpretation/Addendums" for additional information.) A site visit may follow the pre-bid conference, as applicable.
- 7.2. **Non-Mandatory:** Pre-bid conferences are generally non-mandatory, but it is highly recommended that prospective bidders participate.
- 7.3. **Mandatory:** Failure to attend a mandatory pre-bid conference will result in the bid being considered **non-responsive**.

## 8. COUNTY INTERPRETATION/ADDENDUMS

- 8.1. Each Bidder shall examine the solicitation documents and shall judge all matters relating to the adequacy and accuracy of such documents. Any inquiries, suggestions or requests concerning interpretation, clarification or additional information pertaining to the solicitation shall be **submitted in writing prior to 5:00 PM at least eight (8) calendar days prior to the date when the submission is due.**

- 8.2. Response(s) will be in the form of an Addendum posted on [www.leegov.com/procurement](http://www.leegov.com/procurement). It is solely the bidder's responsibility to check the website for information. No notifications will be sent by Lee County Procurement Management Division.
- 8.3. All Addenda shall become part of the Contract Documents.
- 8.4. The County shall not be responsible for oral interpretations given by any County employee, representative, or others. Interpretation of the meaning of the plans, specifications or any other contract document, or for correction of any apparent ambiguity, inconsistency or error there in, shall be in writing. Issuance of a written addendum by the County's Procurement Management Division is the only official method whereby interpretation, clarification or additional information can be given.
9. **QUALITY GUARANTEE/WARRANTY (as applicable)**
- 9.1. Bidder will guarantee their work without disclaimers, unless otherwise specifically approved by the County, for a minimum of twelve (12) months from the date of final completion.
- 9.2. Unless otherwise specifically provided in the specifications, all equipment and materials and articles incorporated in the work covered by this contract shall be new, unused and of the most suitable grade for the purpose intended. Refurbished parts or equipment are not acceptable unless otherwise specified in the specifications. All warranties will begin from the date of final completion.
- 9.3. Unless otherwise specifically provided in the specifications, the equipment must be warranted for twelve (12) months, shipping, parts and labor. Should the equipment be taken out of service for more than forty-eight (48) hours to have warranty work performed, a loaner machine of equal capability or better shall be provided for use until the repaired equipment is returned to service at no additional charge to the County.
- 9.4. If any product does not meet performance representation or other quality assurance representations as published by manufacturers, producers or distributors of such products or the specifications listed, the vendor shall pick up the product from the County at no expense to the County. The County reserves the right to reject any or all materials, if in its judgment the item reflects unsatisfactory workmanship or manufacturing or shipping damage. The vendor shall refund, to the County, any money which has been paid for same.
10. **SUBSTITUTION(S)/APPROVED ALTERNATE(S)**
- 10.1. Unless otherwise specifically provided in the specifications, reference to any equipment, material, article or patented process, by trade name, brand name, make or catalog number, shall be regarded as establishing a standard of quality and shall not be construed as limiting competition. If a bidder wishes to make a substitution in the specifications, the bidder shall furnish to the County, **no later than ten (10) business days prior to the bid opening date**, the name of the manufacturer, the model number, and other identifying data and information necessary to aid the County in evaluating the substitution. Such information is submitted through the Procurement Management Division. Any such substitution shall be subject to County approval through the issuance of a written addendum by the County's Procurement Management Division. Substitutions shall be approved only if determined by the County to be an **Approved Alternate** to the prescribed specifications.
- 10.2. A bid containing a substitution is subject to disqualification if the substitution is not approved by the County. Items bid must be identified by brand name, number, manufacturer and model, and shall include full descriptive information, brochures, and appropriate attachments. Brand names are used for descriptive purposes only. An **Approved Alternate** product or service may be used.
11. **NEGOTIATED ITEMS**
- 11.1. Any item not outlined in the Scope of Work/Specifications may be subject to negotiations between the County and the successful bidder.
- 11.2. After award of this bid the County reserves the right to add or delete items/services at prices to be negotiated at the time of addition or deletion.
- 11.3. At contract renewal time(s) or in the event of significant industry wide market changes, the County may negotiate justified adjustments such as price, terms, etc., if in its sole judgment, the County considers such adjustments to be in their best interest.
12. **ERRORS, OMISSIONS, CALCULATION ERRORS (as applicable)**
- 12.1. **Calculation Errors:** In the event of multiplication/addition error(s), the unit price shall prevail. Written prices shall prevail over figures where applicable. All bids will be reviewed mathematically and corrected, if necessary, using these standards, prior to further evaluation.

### 13. CONFIDENTIALITY

- 13.1. Bidders should be aware that all submissions provided are subject to public disclosure and will **not** be afforded confidentiality, unless provided by Chapter 119 FL §.
- 13.2. If information is submitted with a bid that is deemed “Confidential” the bidder must stamp those pages of the submission that are considered confidential. The bidder must provide documentation as to validate why these documents should be declared confidential in accordance with Chapter 119, “Public Records,” exemptions.
- 13.3. Lee County **will not reveal engineering estimates or budget amounts for a project** unless required by grant funding or unless it is in the best interest of the County. According to FL § 337.168: A document or electronic file revealing the official cost estimate of the department of a project is confidential and exempt from the provisions of s. 119.07(1) until the contract for the project has been executed or until the project is no longer under active consideration.

### 14. BID CONFLICT OF INTEREST

- 14.1. **Business Relationship Disclosure Requirement:** The award hereunder is subject to the provisions of Chapter 112, Public Officers and Employees: General Provisions, Florida Statutes. All bidders must disclose with their submission the name of any officer, director or agent who is also an employee of the Lee County or any of its agencies. Further, all bidders must disclose the name of any County employee who owns directly or indirectly, an interest of five percent (5%) or more in the bidder’s firm or any of its branches.

### 15. ANTI-LOBBYING CLAUSE (Cone of Silence)

- 15.1. Following FL § Section 287.057(23), Upon the issuance of the solicitation, prospective proposers/bidders or any agent, representative or person acting at the request of such proposer/bidder shall not have any contact, communicate with or discuss any matter relating in any way to the solicitation with any Commissioner, Evaluation Review Committee, agent or employee of the County other than the Procurement Management Director or their designee. This prohibition begins with the issuance of any solicitation, and ends upon execution of the final contract or when the solicitation has been cancelled. **If it is determined that improper communications were conducted, the Bidder/Proposer maybe declared non-responsible.**

### 16. DRUG FREE WORKPLACE

- 16.1. Lee County Board of County Commissioners encourages Drug Free Workplace programs.

### 17. DISADVANTAGED BUSINESS ENTERPRISE (DBE)

- 17.1. The County encourages the use of Disadvantaged Business Enterprise Bidder(s) as defined and certified by the State of Florida Department of Transportation (DBE).
- 17.2. As requested in the required forms the Bidder is required to indicate whether they and/or any proposed sub-contractor(s) are Disadvantaged Business Enterprises (DBE). Lee County encourages the utilization and participation of DBEs in procurements, and evaluation proceedings will be conducted within the established guidelines regarding equal employment opportunity and nondiscriminatory action based upon the grounds of race, color, sex or national origin. Interested certified Disadvantaged Business Enterprise (DBE) firms as well as other minority-owned and women-owned firms, as defined and certified by the State of Florida Office of Supplier Diversity (Minority), are encouraged to respond.

### 18. ANTI-DISCRIMINATION/EQUAL EMPLOYMENT OPPORTUNITY

- 18.1. The bidder agrees to comply, in accordance with FL § 287.134, 504 of the Rehabilitation Act of 1973 as amended, the Americans with Disabilities Act of 1990 (ADA), the ADA Amendments Act of 2008 (ADAAA) that furnishing goods or services to the County hereunder, no person on the grounds of race, religion, color, age, sex, national origin, disability or marital status shall be excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination.
- 18.2. The bidder will not discriminate against any employee or applicant for employment because of race, religion, color, age, sex, national origin, disability or marital status. The bidder will make affirmative efforts to ensure that applicants are employed and that employees are treated during employment without regard to their race, religion, color, age, sex, national origin, disability or marital status.

- 18.3. The bidder will include the provisions of this section in every sub-contract under this contract to ensure its provisions will be binding upon each sub-contractor. The bidder will take such actions in respect to any sub-contractor, as the contracting agency may direct, as a means of enforcing such provisions, including sanctions for non-compliance.
- 18.4. An entity or affiliate who has been placed on the State of Florida's Discriminatory Vendor List (This list may be viewed by going to the Department of Management Services website at <http://www.dms.myflorida.com>) may not submit a bid on a contract to provide goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not award or perform work as a vendor, supplier, sub-contractor, or consultant under contract with any public entity, and may not transact business with any public entity.

## 19. SUB-CONTRACTOR

- 19.1. The use of sub-contractors under this solicitation requires prior written authorization from the County representative.

## 20. BID - PROJECT GUIDELINES (as applicable)

- 20.1. The County has established the following Guidelines, Criteria, Goals, Objectives, Constraints, Schedule, Budget and or Requirements which shall service as a guide to the bidder(s) in conforming to the provision of goods and/or services to be provided pursuant to this Agreement/Contract:
- 20.1.1. No amount of work is guaranteed upon the execution of an Agreement/Contract.
- 20.1.2. Rates and all other negotiated expenses will remain in effect throughout the duration of the Agreement/Contract period.
- 20.1.3. This contract does not entitle any bidder to exclusive rights to County Agreement/Contracts. The County reserves the right to perform any and all available required work in-house or by any other means it so desires.
- 20.1.4. In reference to vehicle travel, mileage and man-hours spent in travel time, is considered incidental to the work and not an extra compensable expense.
- 20.1.5. Lee County reserves the right to add or delete, at any time, and or all material, tasks or services associated with this Agreement/Contract.
- 20.1.6. Any Single Large Project: The County, in its sole discretion, reserves the right to separately solicit any project that is outside the scope of this solicitation, whether through size, complexity or the dollar value.

## 21. BID – TIEBREAKER

- 21.1. Whenever two or more bids, which are equal with respect to price, quality and service, are received for procurement of commodities or contractual services, from responsive and responsible bidders, the following steps shall be taken to establish the award to the lowest bidder. This method shall be used for all ties.
- 21.1.1. Step 1 - Local Bidder: Between a local Bidder, and a non-local Bidder, a contract award, or the first opportunity to negotiate, as applicable, shall be made to the local Bidder. **If local preference is prohibited by the funding source then step 2 will replace step 1.**
- 21.1.2. Step 2 - Drug Free Workplace: At the conclusion of step 1, if all is equal, the Bidder with a Drug Free Workplace program shall be given preference over a Bidder with no Drug Free Workplace program. The contract award, or the first opportunity to negotiate, as applicable, shall be made to the bidder with the Drug Free Workplace program.
- 21.1.3. Step 3 - Coin Flip: At the conclusion of Step 1 and Step 2, if all is equal, the contract award, or the first opportunity to negotiate, as applicable, the final outcome shall be determined by the flip of a coin.
- 21.2. When the tie has been broken pursuant to the above procedures, the contract award, or the first opportunity to negotiate, as applicable, shall be furnished to the prevailing Bidder.
- 21.3. If an award or negotiation is unsuccessful with the initial bidder, award or negotiations may commence with the next highest bidder, utilizing the tiebreaker steps above to make the determination of next lowest bidder, if necessary.

## 22. WITHDRAWAL OF BID



- 22.1. No bid may be withdrawn for a period of **180 calendar days** after the scheduled time for receiving submissions. A bid may be withdrawn prior to the solicitation opening date and time. Withdrawal requests must be made in writing to the Procurement Management Director, who will approve or disapprove the request.
- 22.2. A bidder may withdraw a submission any time prior to the opening of the solicitation.
- 22.3. After submissions are opened, but prior to award of the contract by the County Commission, the Procurement Management Director may allow the withdrawal of a bid because of the mistake of the bidder in the preparation of the submission document. In such circumstance, the decision of the Procurement Management Director to allow the submission withdrawal, although discretionary, shall be based upon a finding that the bidder, by clear and convincing evidence, has met each of the following four tests:
  - 22.3.1. The bidder acted in good faith in submitting the bid,
  - 22.3.2. The mistake in bid preparation that was of such magnitude that to enforce compliance by the bidder would cause a severe hardship on the bidder,
  - 22.3.3. The mistake was not the result of gross negligence or willful inattention by the bidder; and
  - 22.3.4. The mistake was discovered and was communicated to the County prior to the County Commission having formally awarded the Agreement/Contract.

### 23. PROTEST RIGHTS

- 23.1. Any Bidder that has submitted a formal Response to Lee County, and who is adversely affected by an intended decision with respect to the Award, has the right to protest an intended decision posted by the County as part of the Solicitation process.
- 23.2. Notice of Intended Decision is posted on the Lee County Department of Procurement Management website ([www.leegov.com/procurement](http://www.leegov.com/procurement)). Bidders are solely responsible to check for information regarding the Solicitation.
- 23.3. Refer to the “Procurement Protest” section of the Lee County Procurement Ordinance 18-22 for a complete description of the protest process and associated requirements. The ordinance is posted on the Lee County website or may be obtained by contacting the Procurement Management Director.
- 23.4. In order to preserve the right to protest, a written “*Notice Of Intent To File A Protest*” **must be filed with the Lee County Procurement Management Director within seventy-two (72) hours of Posting of the Notice of Intended Decision.**
  - 23.4.1. The notice shall clearly indicate all grounds being claimed for the protest.
  - 23.4.2. The notice must be physically received by the Procurement Management Director within the required time frame described above. No additional time will be granted for mailing.
- 23.5. Following receipt of the Notice of Intent to File a Protest, a “**Protest Bond**” and “**Formal Written Protest**” must be filed **within ten (10) business days** of Posting of the Notice of Intended Decision.
- 23.6. **Failure to follow the protest procedures requirement within the time frames as prescribed herein and in the Lee County Procurement Ordinance 18-22 shall constitute a waiver of the right to protest and shall bar any resulting claims.**

### 24. AUTHORITY TO UTILIZE BY OTHER GOVERNMENT ENTITIES

- 24.1. This opportunity is also made available to any government entity. Pursuant to their own governing laws, and subject to the Agreement/Contract of the vendor, other entities may be permitted to make purchases at the terms and conditions contained herein. Lee County Board of County Commissioners will not be financially responsible for the purchases of other entities from this solicitation.

### 25. CONTRACT ADMINISTRATION

- 25.1. **Designated Contact:**
  - 25.1.1. The awarded bidder shall appoint a person(s) to act as a primary contact for all County departments. This person or back-up shall be readily available during normal working hours by phone or in person, and shall be knowledgeable of the terms and procedures involved.
  - 25.1.2. Lee County requires the awarded bidder to provide the name of a contact person(s) and phone number(s) which will afford Lee County access 24 hours per day, 365 days per year, of this service in the event of major breakdowns or natural disasters.
- 25.2. **BID – Term:** (unless otherwise stated in the Scope of Work or Detailed Specifications)

- 25.2.1. Unless otherwise stated in the scope of work, specifications, or special conditions the default **contract term shall be for one (1) three-year (3) period. Upon mutual written agreement of both parties, the parties may renew the Agreement, in whole or in part, for a renewal term or terms not to exceed the initial Agreement term of three (3) years. The increments of renewal shall be at the sole discretion of the County as deemed in its best interest.**
- 25.2.2. The County reserves the right to renew this Agreement/Contract (or any portion thereof) and to negotiate pricing as a condition for each.
- 25.2.3. The County's performance and obligation to pay under this contract, and any applicable renewal options, is contingent upon annual appropriation of funds.
- 25.3. **BID – Basis of Award:**
- 25.3.1. The bid is awarded under a system of sealed, competitive bidding to the lowest responsive and responsible bidder.
- 25.3.2. In the event the lowest responsive and responsive bid for a project exceeds the available funds the County may negotiate an adjustment of the bid price with the lowest responsive and responsive bidder, in order to bring the total cost of the project within the amount of available funds.
- 25.3.3. The County reserves the right to make award(s) by individual item, group of items, all or none, or a combination thereof. The County reserves the right to reject any and all bids or to waive any minor irregularity or technicality in the bids received. Award will be made to the lowest responsive and responsive bidder(s) within the category chosen for basis of award.
- 25.3.4. The County reserves the right to award to one or multiple bidders at the discretion of the requesting authority and approval of the Procurement Management Director.
- 25.4. **Agreement/Contracts:**
- 25.4.1. The awarded bidder will be required to execute an Agreement/Contract as a condition of award. A sample of this document may be viewed on-line at <http://www.lee.gov/procurement/forms>.
- 25.5. **Records:**
- 25.5.1. **Retention:** The bidder shall maintain such financial records and other records as may be prescribed by Lee County or by applicable federal and state laws, rules and regulations. Unless otherwise stated in the specifications, the bidder shall retain these records for a period of five years after final payment, or until they are audited by Lee County, whichever event occurs first.
- 25.5.2. **Right to Audit/Disclosure:** These records shall be made available during the term of the contract as well as the retention period. These records shall be made readily available to County personnel with reasonable notice and other persons in accordance with the Florida General Records Schedule. Awarded Bidder/Proposer(s) are hereby informed of their requirement to comply with FL §119 specifically to:
- 25.5.2.1. Keep and maintain public records required by the County to perform the service.
- 25.5.2.2. Upon request from the County's custodian of public records, provide the County with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided or as otherwise provided by law.
- 25.5.2.3. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the contractor does not transfer the records to the County.
- 25.5.2.4. Upon completion of the contract, transfer, at no cost, to the County all public records in possession of the contractor or keep and maintain public records required by the County to perform the service. If the contractor transfers all public records to the County upon completion of the contract, the contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the contractor keeps and maintains public records upon completion of the contract, the contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the County, upon request from the County's custodian of public records, in a format that is compatible with the information technology systems of the County.
- 25.5.3. **Public Record: IF THE VENDOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE**

**VENDOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THE CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT 239-533-2221, 2115 SECOND STREET, FORT MYERS, FL 33901, [PRRCustodian@leegov.com](mailto:PRRCustodian@leegov.com) <http://www.leegov.com/publicrecords>.**

25.5.4. **Ownership:** It is understood and agreed that all documents, including detailed reports, plans, original tracings, specifications and all data prepared or obtained by the successful bidder in connection with its services hereunder, include any documents bearing the professional seal of the successful bidder, and shall be delivered to and become the property of Lee County, prior to final payment to the successful bidder or the termination of the Agreement/Contract. This includes any electronic versions, such as CAD or other computer aided drafting programs.

**25.6. Termination:**

25.6.1. Any Agreement/Contract as a result of this solicitation may be terminated by either party giving **thirty (30) calendar days advance written notice**. The County reserves the right to accept or not accept a termination notice submitted by the vendor, and no such termination notice submitted by the vendor shall become effective unless and until the vendor is notified in writing by the County of its acceptance.

25.6.2. The Procurement Management Director may immediately terminate any Agreement/Contract as a result of this solicitation for emergency purposes, as defined by the Lee County Procurement Ordinance 18-22.

25.6.3. Any bidder who has voluntarily withdrawn from a solicitation without the County's mutual consent during the contract period shall be barred from further County procurement for a **period of 180 days**. The vendor may apply to the Board for a waiver of this debarment. Such application for waiver of debarment must be coordinated with and processed by the Procurement Management Department.

25.6.4. The County reserves the right to terminate award or contract following any of the below for goods or services over \$1,000,000:

25.6.4.1. Contractor is found to have submitted a false certification as provided under FL § 287.135 (5);

25.6.4.2. Contractor has been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List (FL §215.473);

25.6.4.3. Contractor has engaged in business operations in Cuba or Syria (FL § 215.471);

25.6.4.4. Contractor has been placed on the Scrutinized Companies that Boycott Israel List, or is engaged in a boycott of Israel. (FL § 215.4725)

25.6.4.5. The County reserves the right to review, on a case-by-case basis, and waive this stipulation if it is deemed to advantageous to the County.

**26. WAIVER OF CLAIMS**

26.1. Once this contract expires, or final payment has been requested and made, the awarded bidder shall have waived any claims against the County concerning this contract. After that period, the County will consider the bidder to have waived any right to claims against the County concerning this Agreement/Contract.

**27. LEE COUNTY PAYMENT PROCEDURES**

27.1. Unless otherwise noted, all vendors are requested to mail an original invoice to:

**Lee County Finance Department  
Post Office Box 2238  
Fort Myers, FL 33902-2238**

27.2. All invoices will be paid as directed by the Lee County payment procedure unless otherwise stated in the detailed specifications for this project.

27.3. Lee County will not be liable for requests for payment deriving from aid, assistance, or help by any individual, vendor, proposer, or bidder for the preparation of these specifications.

27.4. Lee County is generally a tax exempt entity subject to the provisions of the 1987 legislation regarding sales tax on services. Lee County will pay those taxes for which it is obligated, or it will provide a Certificate of Exemption furnished by the Department of Revenue. All bidders should include in their bids, all sales or use taxes, which they will pay when making purchases of material or sub-contractor's services.

28. SAFETY DATA SHEETS (SDS) (as applicable)

- 28.1. It is the vendor's responsibility to provide Lee County with Safety Data Sheets on bid materials, as may apply to this procurement.

29. DEBRIS DISPOSAL (as applicable)

- 29.1. Unless otherwise stated, the bidder shall be fully responsible for the lawful removal and disposal of any materials, debris, garbage, vehicles or other such items which would interfere with the undertaking and completion of the project. There shall not be an increase in time or price associated with such removal.

30. SHIPPING (as applicable)

- 30.1. Cost of all shipping to the site, including any inside delivery charges and all unusual storage requirements shall be borne by the bidder unless otherwise agreed upon in writing prior to service. It shall be the bidders responsibility to make appropriate arrangements, and to coordinate with authorized personnel at the site, for proper acceptance, handling, protection and storage (if available) of equipment and material delivered. All pricing to be F.O. B. destination.
- 30.2. The materials and/or services delivered under the bid shall remain the property of the seller until a physical inspection and actual usage of these materials and/or services is accepted by the County and is deemed to be in compliance with the terms herein, fully in accord with the specifications and of the highest quality.

31. INSURANCE (AS APPLICABLE)

- 31.1. Insurance shall be provided by the awarded bidder/vendor. Prior to execution of the Agreement/Contract a certificate of insurance (COI) complying with the bid documents shall be provided by the bidder/vendor.

End of Terms and Conditions Section

## INSURANCE GUIDE



<b>Lee County Insurance Requirements</b>
--

**Minimum Insurance Requirements:** *Risk Management in no way represents that the insurance required is sufficient or adequate to protect the Vendor's interest or liabilities. The following are the required minimums the Vendor must maintain throughout the duration of this Contract. The County reserves the right to request additional documentation regarding insurance provided.*

- a. **Commercial General Liability** - Coverage shall apply to premises and/or operations, products and completed operations, independent contractors, and contractual liability exposures with minimum limits of:
- \$1,000,000 per occurrence
  - \$2,000,000 general aggregate
  - \$1,000,000 products and completed operations
  - \$1,000,000 personal and advertising injury
- b. **Business Auto Liability** - The following Automobile Liability will be required and coverage shall apply to all owned, hired and non-owned vehicles use with minimum limits of:
- \$1,000,000 combined single limit (CSL) or
  - \$500,000 bodily injury per person
  - \$1,000,000 bodily injury per accident
  - \$500,000 property damage per accident
- c. **Workers' Compensation** - Statutory benefits as defined by Chapter 440, Florida Statutes, encompassing all operations contemplated by this Contract or Agreement to apply to all owners, officers, and employees regardless of the number of employees. Workers' Compensation exemptions may be accepted with written proof of the State of Florida's approval of such exemption. Employers' liability will have minimum limits of:
- \$500,000 per accident
  - \$500,000 disease limit
  - \$500,000 disease – policy limit

\*The required minimum limit of liability shown in a. and b. may be provided in the form of "Excess Insurance" or "Commercial Umbrella Policies," in which case, a "Following Form Endorsement" will be required on the "Excess Insurance Policy" or "Commercial Umbrella Policy."



### **Verification of Coverage:**

1. Coverage shall be in place prior to the commencement of any work and throughout the duration of the Contract. A certificate of insurance will be provided to the Risk Manager for review and approval. The certificate shall provide for the following:

a. The certificate holder shall read as follows:

Lee County Board of County Commissioners  
P.O. Box 398  
Fort Myers, Florida 33902

b. *“Lee County, a political subdivision and Charter County of the State of Florida, its agents, employees, and public officials”* will be named as an "Additional Insured" on the General Liability policy, including Products and Completed Operations coverage.

### **Special Requirements:**

1. An appropriate "Indemnification" clause shall be made a provision of the Contract.
2. If applicable, it is the responsibility of the general contractor to ensure that all subcontractors comply with all insurance requirements.

End of Insurance Guide Section

## **SPECIAL CONDITIONS**

These are conditions that are in relation to this solicitation only and have not been included in the County's standard Terms and Conditions or the Scope of Work.

### **1. CONTRACT TERM**

1.1. The Vendor shall be responsible for furnishing and delivering to the Lee County requesting Department(s) the commodity or services on an "as needed basis" for one (1) three-year (3) period. Upon mutual written agreement of both parties, the parties may renew the Agreement, in whole or in part, for a renewal term or terms not to exceed the initial Agreement term of three (3) years. The increments of renewal shall be at the sole discretion of the County as deemed in its best interest.

### **2. BASIS OF AWARD**

2.1. The basis of award shall be determined by the lowest Project Total Bid of the most responsive, responsible, and qualified Vendor meeting all bid specifications.

2.2. Vendors must provide a bid on all items included on the bid/proposal form to be considered eligible for award. Failure to providing all pricing for one or more of the items may deem vendor non-responsive. All prices bid must include F.O.B. destination delivery to the address specified herein.

### **3. QUANTITIES**

3.1. The quantities included on the bid/proposal form are estimates and for bidding purposes only. Products will be ordered on an as-needed basis. No quantities are implied or guaranteed. The County intends to order parts in bulk, but there will be no minimum order quantities under this solicitation.

End of Special Conditions Section

## SCOPE OF WORK AND SPECIFICATIONS

### 1. SCOPE

- 1.1. The Lee County Board of County Commissioners seeks to contract with a qualified Vendor to provide LED Roadway lighting fixtures on an as-needed basis as requested by the County. All products must be certified and listed on the FDOT Approved Product List (APL).

### 2. DETAILED SPECIFICATIONS

- 2.1. All products provided under this solicitation must be new fixtures certified and listed on the FDOT Approved Product List found at the following link:  
<https://fdotwp1.dot.state.fl.us/ApprovedProductList/ProductTypes/Index/611>
- 2.2. Brand name products have been listed on the bid schedule, but approved alternates may be accepted upon approval from the County. All approved alternates must be listed on the FDOT APL and be approved prior to shipment or order confirmation. Comparable products unit price shall not exceed unit price of line items as listed within Vendor's agreement. Invoicing of comparable unit shall clearly indicate original line item comparable unit is being substituted for. Failure to provide clear invoicing may result in delays or non-payment of invoices.
- 2.3. The Mongoose LED pole top mounted light fixture may be found on the FDOT Approved Product List (APL) at the following links:

<https://fdotwp1.dot.state.fl.us/ApprovedProductList/Products/Index/4794?approvalId=5080>.

<https://fdotwp1.dot.state.fl.us/ApprovedProductList/Products/Index/6502?approvalId=5908>

Additionally, specification sheets have been included for all the products listed under this solicitation.

- 2.4. Vendor shall ensure that all roadway lighting provided under this Agreement meets the Florida Department of Transportation (FDOT) standards. A product supplied by the Vendor that fails to meet the FDOT required standards may be rejected or returned at no additional costs to the County and any and all payments made regarding item shall be promptly refunded.

### 3. POLE TOP MOUNTED/ARM MOUNTED LIGHT FIXTURE SPECIFICATIONS

#### 3.1. Optical

- 3.1.1. Performance comparable to 150-400 watt HPS or 175-1000 watt MH  
 3.1.2. IP66 rated optics  
 3.1.3. 4000K, 70 CRI  
 3.1.4. Optional uplight skirt  
 3.1.5. Optional house side shield

#### 3.2. Electrical

- 3.2.1. Standard surge protection is 20Kv/10Ka "Extreme Level" per ANSI C136.2  
 3.2.2. LED Light Engines are rated >100,000 hours @ 25C, L70  
 3.2.3. Electric Drivers has expected life of >100,000 hours @ 25C  
 3.2.4. Programmable electronic driver with 0-10V control leads  
 3.2.5. Driver voltage options: 120-277V 50/60Hz, 347V 50/60Hz, 480V 50/60Hz

#### 3.3. Mechanical

- 3.3.1. Tool-less access with stainless steel latches  
 3.3.2. Rugged A360 diecast aluminum (<1% copper)  
 3.3.3. Removable "power tray"



3.3.4. All mounts are 3G vibration rated per ANSI C136.31

3.4. Controls

3.4.1. Field adjustable output

3.5. Certifications & Standards

3.5.1. CSA Certified

3.5.2. Suitable for ambient temperature from -40C to 104C

3.5.3. DLC qualified product

3.5.4. Fixture must be listed on FDOT APL list as “LED Luminaire (Conventional)”

3.6. Weight & E.P.A.

3.6.1. Weight should not exceed 35 lbs., E.P.A. not to exceed 1.64 sq. ft.

**4. DELIVERY REQUIREMENTS**

4.1. Shipments shall be Free on Board (FOB) Destination delivered and unloaded by the Vendor’s delivery driver between the hours of 7:00 AM to 4:00 PM Eastern Time, Monday through Friday, within thirty (30) calendar days after verbal, electronic, or fax receipt of an order placed by an authorized member of the County.

4.2. Location for Delivery: Lee County Transportation/Traffic Office  
5650 Enterprise Parkway  
Fort Myers, FL 33905

4.3. All deliveries must be accompanied by a packing slip and a signed packing slip must be obtained upon delivery.

4.4. All deliveries must provide the County’s Project Manager or Designee a minimum of 24 hours’ notice of any scheduled delivery. The County’s Project Manager or Designee must be notified as soon as possible of any delay in delivery or backorder situation. The County reserves the right to cancel any delayed or backordered items.

**5. FINAL ACCEPTANCE**

5.1. Final acceptance shall be upon the County’s acceptance of the products. A packing slip signed by the County shall constitute acceptance of the products with exception of any products found to be defective within the first year shall be replaced by the Vendor at no cost to the County. Warranty period shall begin upon County acceptance of the products.

**6. WARRANTY**

6.1. 5-Year Limited Warranty

6.2. Rated for -40°C to 40°C Ambient

6.3. Canadian Standards Association (CSA) Certified to United States (US) and Canadian standards C-UL-US, CSA.

6.4. Vendor warrants to the County that all materials furnished under the resulting Contract will be new and of the highest quality unless otherwise specified by the County and Vendor further all products to be free from faults and defects and in conformance with the Contract Documents. All products not conforming to these requirements, including substitutions not properly approved and authorized, may be considered defective.

6.5. If required by County, Vendor shall furnish satisfactory evidence as to the kind and quality of materials. This warranty is not limited by any other provision of the Contract Documents.

- 6.6. The Warranties set forth in this document and elsewhere in the Contract Documents shall survive Final Acceptance of any product received and accepted by the County and the Contract Term.
- 6.7. All warranties are in addition to the rights, remedies, and redress that the County has at law or in equity, and none of Vendor's warranties shall be deemed a sole or exclusive remedy to the County;
- 6.8. Without limiting the responsibility or liability of Vendor under the Contract, all warranties given by manufacturers on materials or equipment incorporated in the work are hereby assigned by Vendor to the County at no additional cost to the County.
- 6.9. If requested, Vendor shall execute enforceable formal assignments of said manufacturer's warranties to the County at no additional cost to the County.
- 6.10. Vendor shall not obtain any materials or equipment under warranties, which do not run directly to the benefit of the County, and all such warranties shall be directly enforceable by the County.
- 6.11. The foregoing warranties, and those contained elsewhere in the Contract Documents or implied by law, shall be deemed cumulative and not alternative or exclusive. No one or more of them shall be deemed to alter or limit any other.

## **7. PART NUMBERS AND COMPARABLE UNITS**

- 7.1. Where part numbers are provided through specifications, bid schedule or other associated contract documents, Vendor shall utilize such product matching listed part number or County approved comparable unit(s). Determination of comparable unit(s) shall be at the sole discretion of the County authorized representative. Vendor shall seek County authorized representative approval of use of comparable unit(s) prior to purchase. Vendor shall bear responsibility of costs incurred for use of product not approved by County authorized representative. Comparable products unit price shall not exceed unit price of line items as listed within Contractor's agreement. Invoicing of comparable unit shall clearly indicate original line item comparable unit is being substituted for. Failure to provide clear invoicing may result in delays or non-payment of invoices.
- 7.2. Vendor recommending "Comparable Unit" in response to any group line item set forth with the Bid Form shall provide Product Literature for each such item recommended. Failure may be cause for rejection as non-compliant.
- 7.2.1. Sample: The County, at its sole option and without cost to the County, may also require the Vendor within five (5) business days following verbal request to provide and deliver samples to one or more participating departments to allow for application analysis consideration as an acceptable "Comparable Unit" product.
- 7.2.2. Demonstration: The County, at its sole option and without cost to the County, may also require the Vendor to provide a product demonstration to one or more participating departments within five (5) business days following verbal request of "Comparable Unit" product.

End of Scope of Work and Specifications Section

# FORMS DESCRIPTION & INSTRUCTIONS

## INVITATION TO BID

This table provides a brief list, description, and instructions regarding the standard requested forms that should be submitted with all bids or proposals. This is not intended to be an all-inclusive list of forms required for your submission, but rather a guide to assist in completion of the County's standard forms.

<u>Form #</u>	<u>Title/Description</u>
<b>1</b>	<p><b><i>Solicitation Response Form</i></b></p> <p>All signatures must be by a corporate authorized representative, witnessed, and corporate and/or notary seal (as applicable.) The corporate or mailing address must match the company information as it is listed with the Florida Department of State Division of Corporations. Attach a copy of the web-page(s) from <a href="http://www.sunbiz.org">http://www.sunbiz.org</a> as certification of this required information. Sample attached for your reference.</p> <p>Verify that all Addenda and tax identification number have been provided.</p>
<b>1a</b>	<p><b><i>Bid/Proposal Form</i></b></p> <p>This form is used to provide itemization of project cost. A more detailed "schedule of values" may be requested by the County.</p>
<b>*</b>	<p><b><i>Business Relationship Disclosure Requirement</i></b></p> <p>Sections 112.313(3) and 112.313(7), F.S., prohibit certain business relationships on the part of public officers and employees, their spouses, and their children. If this <b>disclosure is applicable, the Bidder must request the form entitled "INTEREST IN COMPETITIVE BID FOR PUBLIC BUSINESS"</b> (Required by § 112.313(12)(b), F.S.) to be completed and <b>returned with the Solicitation Response. It is the Bidder's responsibility to request the form and disclose this relationship; failure to do so may result in being declared non-responsive.</b></p> <p>NOTICE: UNDER THE PROVISIONS OF § 112.317, F.S., A FAILURE TO MAKE ANY REQUIRED DISCLOSURE CONSTITUTES GROUNDS FOR, AND MAY BE PUNISHED BY, ONE OR MORE OF THE FOLLOWING: IMPEACHMENT, REMOVAL OR SUSPENSION FROM OFFICE OR EMPLOYMENT, DEMOTION, REDUCTION IN SALARY, REPRIMAND, OR A CIVIL PENALTY NOT TO EXCEED \$10,000.00.</p>
<b>2</b>	<p><b><i>Affidavit Certification Immigration Laws</i></b></p> <p>Submission of this form constitutes acknowledgement that the Bidder is in compliance in regard to all applicable immigration laws.</p>
<b>3</b>	<p><b><i>Reference Survey</i></b></p> <p>Provide this form to reference respondents. <b>For Bids, this form will be requested from the apparent low Bidder prior to the award. (not required to submit with bid)</b></p> <ol style="list-style-type: none"> <li>1. <b>Section 1:</b> Bidder/Proposer to complete with <u>reference respondent's</u> information prior to providing to them for their response. (This is <b>not</b> the Bidder/Proposer's information.)</li> <li>2. <b>Section 2:</b> Enter the name of the Bidder/Proposer; provide the project information in which the reference respondent is to provide a response.</li> <li>3. The <u>reference respondent</u> should complete "<b>Section 3.</b>"</li> <li>4. <b>Section 4:</b> The reference respondent to print and sign name</li> <li>5. <b>Three (3) Reference responses</b> are to be provided upon request.</li> <li>6. Failure to obtain reference surveys may make your company non-responsive.</li> </ol>

**4** *Negligence or Breach of Contract Disclosure Form*

The form may be used to disclose negligence or breach of contract litigation that your company may have been a part of over the past ten (10) years. You may need to duplicate this form to list all history. If the Bidder has more than ten (10) lawsuits, you may narrow them to litigation of the company or subsidiary submitting the Solicitation Response. Include, at a minimum, litigation for similar projects completed in the State of Florida. Final outcome should include in whose favor the litigation was settled and whether a monetary amount was awarded. The settlement amount may remain anonymous.

If you have **no litigation**, enter **“None”** in the first **“type of incident”** block of the form. Please do not write N/A on this form.

**5** *Affidavit - Principal Place of Business*

Certifies Bidder’s location information.

**6** *Sub-Contractor List*

To be completed and returned when sub-contractors are to be utilized and are known at the time of the submission.

**7** *Public Entity Crime Form*

Any person or affiliate, as defined by statute, who has been placed on the convicted vendor list following a conviction for a public entity crime, may not submit a Bid on a Contract to provide any goods or services to the County; may not submit a Bid on a contract with the County for the construction or repair of a public building or a public work; may not submit Bids or leases of real property to the County; may not be Awarded or perform Work as a contractor, supplier, subcontractor, or consultant under a contract with the County, and may not transact business with the County in excess of \$25,000.00 for a period of thirty-six (36) months from the date of being placed on the convicted vendor list.

**\*** *Bid/Proposal Label*

Self-explanatory. Please affix to the outside of the sealed submission documents.

**\*** *Include any licenses or certifications requested*

Local Business Tax Account (as applicable) issued by City and/or County entity. This is necessary for all Florida vendors.

It is the Bidder’s responsibility to ensure the Solicitation Response is mailed or delivered in time to be received no later than the specified opening date and time. (If Solicitation is not received prior to the deadline, it cannot be considered or accepted)



LEE COUNTY PROCUREMENT MANAGEMENT
SOLICITATION RESPONSE FORM

Date Submitted: Bid Due Date: 6/4/2020

SOLICITATION IDENTIFICATION: B200271MIF

SOLICITATION NAME: Lee County DOT Roadway Lighting

COMPANY NAME:

NAME & TITLE: (TYPED OR PRINTED)

BUSINESS ADDRESS: (PHYSICAL)

CORPORATE OR MAILING ADDRESS:

[ ] SAME AS PHYSICAL

ADDRESS MUST MATCH SUNBIZ.ORG

E-MAIL ADDRESS:

PHONE NUMBER: FAX

NOTE REQUIREMENT: IT IS THE SOLE RESPONSIBILITY OF THE BIDDER/PROPOSER TO CHECK LEE COUNTY PROCUREMENT MANAGEMENT WEB SITE FOR ANY ADDENDA ISSUED FOR THIS PROJECT. THE COUNTY WILL POST ADDENDA TO THIS WEB PAGE, BUT WILL NOT NOTIFY.

By responding to this sealed solicitation, the Bidder/Proposer makes all representations required by the instructions and further warrants and represents that: Bidder/Proposer has examined copies of all the solicitation documents and of the following addenda:

No. Dated: No. Dated: No. Dated:
No. Dated: No. Dated: No. Dated:

Tax Payer Identification Number:

(1) Employer Identification Number -OR- (2) Social Security Number:

\*\* Lee County collects your social security number for tax reporting purposes only

Please submit a copy of your registration from the website www.sunbiz.org establishing your firm as authorized (including authorized representatives) to conduct business in the State of Florida, as provided by the Florida Department of State, Division of Corporations. (a sample is attached for your reference)

1 Collusion Statement: Lee County, Florida The undersigned, as Bidder/Proposer, hereby declares that no person or other persons, other than the undersigned, are interested in this solicitation as Principal, and that this solicitation is submitted without collusion with others; and that we have carefully read and examined the specifications or scope of work, and with full knowledge of all conditions under which the services herein is contemplated must be furnished, hereby bid/propose and agree to furnish this service according to the requirements set out in the solicitation documents, specifications or scope of work for said service for the prices as listed on the county provided price sheet or (CCNA) agree to negotiate prices in good faith if a contract is awarded.

2 Scrutinized Companies Certification: Section 287.135, FL §, "Prohibition against contracting with scrutinized companies." Prohibits agencies from contracting with companies, for goods or services over \$1,000,000, that are on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, Scrutinized Companies that Boycott Israel List, have been engaged in a boycott of Israel, or been engaged in business operations in Cuba or Syria. The County reserves the right to review, on a case-by-case basis, and waive this stipulation if it is deemed to advantageous to the County.

As the person authorized to sign on behalf of Respondent, I hereby certify that the company identified above is in compliance with Section 287.135, FL §. I understand that submission of a false certification may subject company to contract termination, civil penalties, attorney's fees, and/or costs.

**Form#1 – Solicitation Form, Page 2**

**3 Business Relationship Disclosure Requirement:** Sections 112.313(3) and 112.313(7), FL §, prohibit certain business relationships on the part of public officers and employees, their spouses, and their children. See Part III, Chapter 112, FL §, and/or the brochure entitled "A Guide to the Sunshine Amendment and Code of Ethics for Public Officers, Candidates and Employees" for more details on these prohibitions. However, Section 112.313(12), FL § (1983), provides certain limited exemptions to the above-referenced prohibitions, including one where the business is awarded under a system of sealed, competitive bidding; the public official has exerted no influence on bid negotiations or specifications; and where disclosure is made, prior to or at the time of the submission of the bid, of the official's or his spouse's or child's interest and the nature of the intended business. The Commission on Ethics has promulgated this form for such disclosure, if and when applicable to a public officer or employee.

**If this disclosure is applicable request form "INTEREST IN COMPETITIVE BID FOR PUBLIC BUSINESS" (Required by 112.313(12)(b), FL § (1983)) to be completed and returned with solicitation response. It is the bidder/proposer's responsibility to disclose this relationship, failure to do so could result in being declared non-responsive.**

**Business Relationship Applicable (request form)**       **Business Relationship NOT Applicable**

**4** Disadvantaged Business Enterprise (DBE) bidder/proposer? If yes, please attach a current certificate.

Yes	No

**ALL SUBMISSIONS MUST BE EXECUTED BY AN AUTHORIZED AUTHORITY OF THE BIDDER/PROPOSER. WITNESSED AND SEALED (AS APPLICABLE)**

\_\_\_\_\_  
Company Name (Name printed or typed)



(Affix Corporate Seal, as applicable)

\_\_\_\_\_  
Authorized Representative Name (printed or typed)

\_\_\_\_\_  
Authorized Representative's Title (printed or typed)

\_\_\_\_\_  
Witnessed/Attested by: (Witness/Secretary name and title printed or typed)

\_\_\_\_\_  
Authorized Representative's Signature

\_\_\_\_\_  
Witness/Secretary Signature

Any blank spaces on the form(s), qualifying notes or exceptions, counter offers, lack of required submittals, or signatures, on County's Form may result in the submission being declared non-responsive by the County.





Lee County Procurement Management  
**BID/PROPOSAL FORM**

**Company Name:** \_\_\_\_\_

<b>Solicitation #</b>	<b>B200271MIF</b>	<b>Solicitation Name</b>	<b>Lee County DOT Roadway Lighting</b>
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**Note:**  
The quantities listed in the excel document are for evaluation purposes only. Vendors are hereby notified that the County reserves the right to order only such quantities as may be needed during the contract period. Final payment will be bases on actual quantities ordered.

In the event there is a discrepancy between a total amount and the unit price, the unit prices will prevail and the corrected total will be considered the price.

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**This page serves as a header/placeholder only. Please refer to the Excel document provided with the solicitation for the complete Bid Schedule. The Excel document contains formulas for convenience, however it is the Vendor’s responsibility to verify all pricing and calculations are CORRECT. Lee County is not responsible for errors in formulas or calculations contained within Excel document(s).**

**REMINDER: In the event there is a discrepancy between the total quoted amount or the extended amounts and the unit prices quoted, the unit prices will prevail and the corrected sum will be considered the quoted price.**

**The County will only accept bids submitted on bid forms provided by the County. Bids submitted on other forms, other than those provided by the County, will deem Bidder as non-responsive and ineligible for award.**

**Bidders may not adjust or modify data provided within the Bid Schedule. Bids received with modified data may deem the Bidder as non-responsive and ineligible for award.**

**PLEASE ENSURE you have provided a printed copy of the Bid Schedule with your hard copy submission packages and provided the excel version with your digital submission package.**

**PRICING**

**Pricing shall be inclusive of all labor, equipment, supplies, overhead, profit, materials, and any other incidental costs required to perform and complete all work as specified herein.**





**Lee County Procurement Management  
Reference Survey**

*Reference surveys submitted can be a maximum of twelve (12) months old. If using a previous reference, Proposers must clearly identify the project name and number the reference is being submitted for.*

**Project Name & Number:** \_\_\_\_\_

<b>Section 1</b>	Reference Respondent Information	<b>Please return completed form to:</b>	
<b>FROM:</b>	_____	<b>Bidder/Proposer:</b>	
<b>COMPANY:</b>	_____	<b>Due Date:</b>	
<b>PHONE #:</b>	_____	<b>Total # Pages: 1</b>	
<b>FAX #:</b>	_____	<b>Phone #:</b>	<b>Fax #:</b>
<b>EMAIL:</b>	_____	<b>Bidder/Proposer E-Mail:</b>	

<b>Section 2</b>	Enter Bidder/Proposer Information, as applicable Similar Performed Project (Bidder/Proposer to enter details of a project performed for above reference respondent)		
Bidder/Proposer Name:	_____		
Reference Project Name:	Project Address:	Project Cost:	_____
Summarize Scope:	_____	_____	_____

**You as an individual or your company has been given as a reference on the project identified above. Please provide your responses in section 3 below.**

<b>Section 3</b>	Indicate: "Yes" or "No"
1. Did this company have the proper resources and personnel by which to get the job done?	
2. Were any problems encountered with the company's work performance?	
3. Were any change orders or contract amendments issued, other than owner initiated?	
4. Was the job completed on time?	
5. Was the job completed within budget?	
6. On a scale of one to ten, ten being best, how would you rate the overall work performance, considering professionalism; final product; personnel; resources. <span style="float: right;">Rate from 1 to 10. (10 being highest)</span>	
7. If the opportunity were to present itself, would you rehire this company?	
8. Please provide any additional comments pertinent to this company and the work performed for you:	

**Section 4 Please submit non-Lee County employees as references**

Reference Name (Print Name) \_\_\_\_\_

Reference Signature \_\_\_\_\_



## ALLEGED NEGLIGENCE OR BREACH OF CONTRACT DISCLOSURE FORM

Please fill in the form below. Provide each incident in regard to alleged negligence or breach of contract that has occurred over the past 10 years.  
Please complete in chronological order with the most recent incident on starting on page 1.

**Company Name:** \_\_\_\_\_

Type of Incident <i>Alleged Negligence or Breach of Contract</i>	Incident Date And Date Filed	Plaintiff <i>(Who took action against your company)</i>	Case Number	Court <i>County/State</i>	Project	Claim Reason <i>(initial circumstances)</i>	Final Outcome <i>(who prevailed)</i>

Make as many copies of this sheet as necessary in order to **provide a 10 year history** of the requested information. If there is no action pending or action taken in the last 10 years, complete the **company name and write "NONE" in the first "Type of Incident" box** of this page and return with your submission package. This form should also include the primary partners listed in your submission. Do not include litigation with your company as the plaintiff. Final outcome should include who prevailed and what method of settlement was made. If a monetary settlement was made the amount may remain anonymous. **Please do not modify this form (expansion of spacing allowed) or submit your own variation.**

Page Number: \_\_\_\_\_ Of \_\_\_\_\_ Total pages

Update the page number to reflect the current page and the total number of pages. Example: Page 3, of 5 total submitted pages of this form.



# LEE COUNTY

S O U T H W E S T F L O R I D A

## AFFIDAVIT PRINCIPAL PLACE OF BUSINESS

Instructions: Please complete all information that is applicable to your firm

Company Name: \_\_\_\_\_

\_\_\_\_\_  
Printed name of authorized signer

\_\_\_\_\_  
Title

⇒ \_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date

The signee of this Affidavit guarantee, as evidenced by the sworn affidavit required herein, the truth and accuracy of this affidavit to interrogatories hereinafter made. **LEE COUNTY RESERVES THE RIGHT TO REQUEST SUPPORTING DOCUMENTATION, AS EVIDENCE OF SERVICES PROVIDED, AT ANY TIME.**

The foregoing instrument was signed and acknowledged before me, by means of  physical presence or  online notarization, this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_, by \_\_\_\_\_ who has produced  
(Print or Type Name)

\_\_\_\_\_ as identification.  
(Type of Identification and Number)

Notary:  
State of \_\_\_\_\_  
County of \_\_\_\_\_

⇒ \_\_\_\_\_  
Notary Public Signature

\_\_\_\_\_  
Notary Commission Number and expiration

1. Principal place of business is located within the boundaries of: \_\_\_\_\_ Lee County  
\_\_\_\_\_ Collier County  
\_\_\_\_\_ Non-Local

Local Business Tax License # \_\_\_\_\_

2. Address of Principal Place of Business: \_\_\_\_\_

3. Number of years at this location \_\_\_\_\_ years

4. Have you provided goods or services to Lee County on a regular basis within the past 3 consecutive years  
\_\_\_\_\_ Yes\* \_\_\_\_\_ No \*If yes, attach contractual history for past 3 consecutive years

5. Number of available employees for this contract \_\_\_\_\_

6. Does your company have a Drug Free Workplace Policy \_\_\_\_\_ Yes \_\_\_\_\_ No



This form must be signed and sworn to in the presence of a notary public or other officer authorized to administer oaths.

1. This sworn statement is submitted to \_\_\_\_\_  
(Print name of the public entity)

by \_\_\_\_\_  
(Print individual's name and title)

for \_\_\_\_\_  
(Print name of entity submitting sworn statement)

whose business address is \_\_\_\_\_

(If applicable) its Federal Employer Identification Number (FEIN) is \_\_\_\_\_

(If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement: On the attached sheet.) Required as per IRS Form W-9.

2. I understand that a "public entity crime" as defined in Paragraph 287.133(1) (g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, and bid or contract for goods or services to be provided to any public entity or agency or political subdivision or any other state or of the United States, and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1) (b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

4. I understand that "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:  
1. A predecessor or successor of a person convicted of a public entity crime:  
or:  
2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those offices, directors, executives, partners, shareholders, employees, members and agents who are active in the management of the affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not fair market value under an arm's length Agreement/Contract, shall be a facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

5. I understand that a "person" as defined in Paragraph 287.133(1) (c), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of the entity.

6. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting those sworn statement. (Please indicate which statement applies.)

\_\_\_\_\_ Neither the entity submitted this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity nor affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

*Public Entity Crime Form*

\_\_\_\_\_ The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, member, or agents who are active in management of the entity, or an affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

\_\_\_\_\_ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, member, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearing and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (Attach a copy of the final order)

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND, THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES, FOR CATEGORY TWO OR ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Date)

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

Sworn to (or affirmed) and subscribed before me, by means of  physical presence or  online notarization, this \_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_, by \_\_\_\_\_ who has produced  
(Print or Type Name)

\_\_\_\_\_ as identification.  
(Type of Identification and Number)

\_\_\_\_\_  
Notary Public Signature

\_\_\_\_\_  
Printed Name of Notary Public

\_\_\_\_\_  
Notary Commission Number/Expiration

*Sealed Bid Label*

**Cut along the outer border and affix this label to your sealed solicitation envelope to identify it as a "Sealed Bid".**

<b>SEALED BID DOCUMENTS • DO NOT OPEN</b>	
BID No.:	B200271MIF
BID TITLE:	<b>Lee County DOT Roadway Lighting</b>
DATE DUE:	<b>Thursday, June 4, 2020</b>
TIME DUE:	<b>Prior to: 2:30 PM</b>
SUBMITTED BY:	_____
	(Name of Company)
e-mail address	Telephone
<b>DELIVER TO:</b>	Lee County Procurement Management 2115 Second Street, 1st Floor Fort Myers, FL 33901



**\*Notice:** the Date Due/Bid Due Date/Opening Date as stated on this label and other forms contained herein may have been updated via issuance of Addenda against this project. It is the sole responsibility of the Contractor/Vendor to monitor the County project webpage for any updates to the Date Due/Bid Due Date/Opening Date via Addenda. This label nor other original forms may not be updated. Contractor/Vendor may strike through and update Date Due/Bid Due Date/Opening Date at their discretion to match any updates to this date that have been published via Addenda.

Submission received after the time and date of the Date Due/Bid Due Date/Opening Date will not be accepted at the sole discretion of the County.

**PLEASE PRINT CLEARLY**



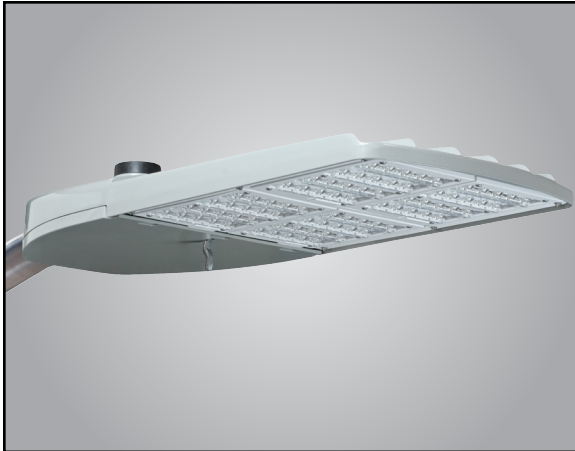


Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

# Autobahn Series ATB2

## Roadway Lighting

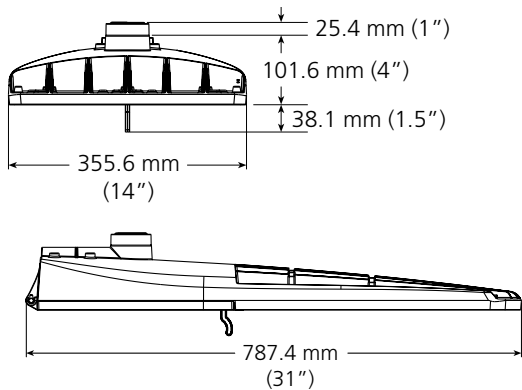
### PRODUCT OVERVIEW



### Applications:

- Roadways
- Off ramps
- Residential streets
- Parking lots

### DIMENSIONS



Effective Projected Area (EPA)  
The EPA for the ATB2 is 0.78 sq. ft.,  
Approx. Wt. = 21 lbs. (9.53 kg)

### STANDARDS

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

Color temperatures of  $\leq 3000\text{K}$  must be specified for International Dark-Sky Association certification.

Rated for  $-40^{\circ}\text{C}$  to  $40^{\circ}\text{C}$  ambient.

CSA Certified to U.S. and Canadian standards

Complies with ANSI: C136.2, C136.10, C136.14, C136.31, C136.15, C136.37

Note: Specifications subject to change without notice.

Autobahn Series – AEL\_0109\_ATB2

### Features:

#### OPTICAL

**Same Light:** Performance is comparable to 250-400W HPS roadway luminaires.

**White Light:** Correlated color temperature - 4000K, 70 CRI minimum, 3000K, 70CRI minimum or optional 5000K, 70 CRI minimum.

Unique IP66 rated LED light engines provided 0% uplight and restrict backlight to within sidewalk depth, providing optimal application coverage and optimal pole spacing.

Available in Type II, III, IV, & V roadway distributions.

#### ELECTRICAL

**Expected Life:** LED light engines are rated  $>100,000$  hours at  $25^{\circ}\text{C}$ , L70. Electronic driver has an expected life of 100,000 hours at a  $25^{\circ}\text{C}$  ambient.

**Lower Energy:** Saves an average of 40-60% over comparable HPS platforms.

**Robust Surge Protection:** Three different surge protection options provide a minimum of ANSI C136.2 10kV/5kA protection. 20kV/10kA protection is also available.

#### MECHANICAL

**Easy to Maintain:** Includes standard AEL lineman-friendly features such as tool-less entry, 3 station terminal block and quick disconnects. Bubble level located inside the electrical compartment for easy leveling at installation.

Rugged die-cast aluminum housing is polyester powder-coated for durability and corrosion resistance. Rigorous five-stage pre-treating and painting process yields a finish that achieves a scribe creepage rating of 7 (per ASTM D1654) after over 5000 hours exposure to salt fog chamber (operated per ASTM B117).

Four-bolt mast arm mount is adjustable for arms from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter and provides a 3G vibration rating per ANSI C136.

Wildlife shield is cast into the housing (not a separate piece).

#### CONTROLS

NEMA 3 Pin photocontrol receptacle is standard, with the Acuity designed ANSI 7 Pin receptacle optionally available.

Premium solid state locking sale photocontrol - PCSS (10 year rated life). Extreme long life sold state locking style photocontrol - PCLL (20 year rated life).

Optional onboard Adjustable Output module allows the light output and input wattage to be modified to meet site specific requirements, and can also allow a single fixture to be flexibly applied in many different applications.

# Autobahn Series ATB2

## Roadway Lighting

### ORDERING INFORMATION

Example: ATB2 40LEDE70 MVOLT R2

Series	Performance Packages	Voltage	Optics
<b>ATB2</b> Autobahn LED Roadway	<b>40BLEDE70</b> 40B Chips, 700mA Driver <b>40BLEDE10</b> 40B Chips, 1050mA Driver <b>40BLEDE13</b> 40B Chips, 1300mA Driver <b>40BLEDE15</b> 40B Chips, 1500mA Driver <b>60BLEDE70</b> 60B Chips, 700mA Driver <b>60BLEDE85</b> 60B Chips, 850mA Driver <b>60BLEDE10</b> 60B Chips, 1050mA Driver <b>60BLEDE13</b> 60B Chips, 1300mA Driver <b>60BLEDE15</b> 60B Chips, 1500mA Driver <b>80BLEDE70</b> 80B Chips, 700mA Driver <b>80BLEDE85</b> 80B Chips, 850mA Driver <b>80BLEDE10</b> 80B Chips, 1050mA Driver <b>80BLEDE12</b> 80B Chips, 1200mA Driver <b>80BLEDE15</b> 80B Chips, 1500mA Driver	<b>MVOLT</b> Multi-volt, 120-277V <b>347</b> 347V <b>480</b> 480V	<b>R2</b> Roadway Type II <b>R3</b> Roadway Type III <b>R4</b> Roadway Type IV <b>R5</b> Roadway Type V

Options		
<u>Color Temperature (CCT)</u> <b>(Blank)</b> 4000K CCT, 70 CRI Min. <b>3K</b> 3000K CCT, 70 CRI Min. <b>5K</b> 5000K CCT, 70 CRI Min.	<u>Misc. (continued)</u> <b>UMR-XX</b> 8" Horizontal Arm for Round Pole, Painted to match Fixture <b>UMS-XX</b> 8" Horizontal Arm for Square Pole, Painted to match Fixture <b>UMR-GALV</b> 8" Horizontal Arm for Round Pole, Galvanized <b>UMS-GALV</b> 8" Horizontal Arm for Square Pole, Galvanized	<u>Accessories (field installed):</u> <b>ATB2HS40</b> Light Trespass Shield LEM 40 House Side <b>ATB2SS40</b> Light Trespass Shield LEM 40 Street Side <b>ATB2HS60</b> Light Trespass Shield LEM 60 House Side <b>ATB2SS60</b> Light Trespass Shield LEM 60 Street Side <b>ATB2HS80</b> Light Trespass Shield LEM 80 House Side <b>ATB2SS80</b> Light Trespass Shield LEM 80 Street Side
<u>Paint</u> <b>(Blank)</b> Gray (Standard) <b>BK</b> Black <b>BZ</b> Bronze <b>DDB</b> Dark Bronze <b>GI</b> Graphite <b>WH</b> White	<u>Controls</u> <b>(Blank)</b> 3 Pin NEMA Photocontrol Receptacle (Standard) <b>P7<sup>2</sup></b> 7 Pin Photocontrol Receptacle (Dimmable Driver Included) <b>NR</b> No Photocontrol Receptacle <b>AO<sup>2</sup></b> Field Adjustable Output <b>DM</b> 0V-10V Dimmable Driver (Controls by others) <b>PCSS<sup>1</sup></b> Solid State Lighting Photocontrol (120-277V) <b>PCLL</b> Solid State Long Life Photocontrol <b>SH</b> Shorting Cap	<b>Notes</b> 1. Not available in 347 or 480V. 2. Not available with DM option.
<u>Surge Protection</u> <b>(Blank)</b> Standard 10kV/5kA SPD <b>20</b> 20kV/10KA SPD <b>MP<sup>1</sup></b> MOV Pack <b>IL<sup>1</sup></b> SPD with Indicator Light	<u>Packaging</u> <b>(Blank)</b> Single Unit (Standard) <b>JP</b> Job Pack (24/Pallet)	
<u>Terminal Block</u> <b>(Blank)</b> Terminal Block (Standard) <b>T2</b> Wired to L1 & L2 Positions		
<u>Misc.</u> <b>BL</b> External Bubble Level <b>HS</b> House-Side Shield <b>NL</b> Nema Label <b>XL</b> Not CSA Certified <b>HK</b> Hingekeepers		



AEL Headquarters, 3825 Columbus Road, Granville, OH 43023  
 www.americanelectricalighting.com

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**Warranty** Five-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/customer-support/terms-and-conditions](http://www.acuitybrands.com/support/customer-support/terms-and-conditions)  
 Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

*Please contact your sales representative for the latest product information.*

# Autobahn Series ATB2

## Roadway Lighting

### PERFORMANCE PACKAGE

Performance Package	Drive Current (mA)	Input Watts	Optic	3K (3000K CCT, 70 CRI Min.)					4K/5K (4000K/5000K CCT, 70 CRI Min.)					LLD @ 25°C		
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	25k Hours	75k Hours	100k Hours
				40B	700	88	R2	10,854	123	2	0	3	11,607	132	3	0
	1050	133	15,565	117	3	0		3	16,360	123	3	0	3	0.97	0.95	0.92
	1300	171	R3	18,361	107	3	0	3	19,544	114	3	0	4	0.93	0.90	0.88
	1500	198		20,124	102	3	0	4	21,384	108	2	0	2	0.93	0.90	0.88
	700	88	R3	10,980	125	2	0	2	11,552	131	3	0	3	0.98	0.97	0.96
	1050	133		15,607	117	3	0	3	16,249	122	3	0	3	0.97	0.95	0.92
	1300	171	R4	18,428	108	3	0	3	19,462	114	3	0	3	0.93	0.90	0.88
	1500	198		20,240	102	3	0	3	21,331	108	2	0	3	0.93	0.90	0.88
	700	88	R4	10,905	124	2	0	2	11,768	134	3	0	3	0.98	0.97	0.96
	1050	133		15,627	117	3	0	3	16,593	125	3	0	4	0.97	0.95	0.92
	1300	171	R5	18,405	108	3	0	4	19,877	116	3	0	4	0.93	0.90	0.88
	1500	198		20,167	102	3	0	4	21,799	110	4	0	2	0.93	0.90	0.88
	700	88	R5	11,386	129	4	0	2	12,388	141	4	0	2	0.98	0.97	0.96
	1050	133		16,355	123	4	0	2	17,499	132	5	0	3	0.97	0.95	0.92
	1300	171	R5	19,319	113	4	0	2	20,795	122	5	0	3	0.93	0.90	0.88
	1500	198		21,221	107	5	0	3	22,828	115	3	0	3	0.93	0.90	0.88
60B	700	130	R2	16,471	127	3	0	3	18,193	140	3	0	4	0.98	0.97	0.96
	850	165		19,503	118	3	0	3	21,436	130	3	0	4	0.97	0.95	0.92
	1050	204	R2	23,034	113	3	0	4	24,940	122	3	0	4	0.97	0.95	0.92
	1300	254		27,088	107	3	0	4	29,357	116	3	0	5	0.93	0.90	0.88
	1500	291	R3	29,819	102	3	0	4	32,052	110	3	0	3	0.93	0.90	0.88
	700	130		16,702	128	3	0	3	17,714	136	3	0	3	0.98	0.97	0.96
	850	165	R3	19,809	120	3	0	3	21,351	129	3	0	4	0.97	0.95	0.92
	1050	204		23,400	115	3	0	3	25,520	125	3	0	4	0.97	0.95	0.92
	1300	254	R4	27,541	108	3	0	4	29,991	118	3	0	4	0.93	0.90	0.88
	1500	291		30,230	104	3	0	4	32,709	112	3	0	4	0.93	0.90	0.88
	700	130	R4	16,725	129	3	0	3	17,984	138	3	0	4	0.98	0.97	0.96
	850	165		19,831	120	3	0	4	21,446	130	3	0	4	0.97	0.95	0.92
	1050	204	R5	23,421	115	3	0	4	25,423	125	3	0	5	0.97	0.95	0.92
	1300	254		27,542	108	3	0	4	29,898	118	3	0	5	0.93	0.90	0.88
	1500	291	R5	30,221	104	3	0	5	32,527	112	4	0	2	0.93	0.90	0.88
	700	130		17,413	134	4	0	2	18,561	143	5	0	3	0.98	0.97	0.96
	850	165	R5	20,634	125	5	0	3	22,402	136	5	0	3	0.97	0.95	0.92
	1050	204		24,359	119	5	0	3	26,128	128	5	0	4	0.97	0.95	0.92
	1300	254	R5	28,578	113	5	0	3	30,964	122	5	0	4	0.93	0.90	0.88
	1500	291		31,214	107	5	0	4	33,922	117	3	0	4	0.93	0.90	0.88
80B	700	177	R2	22,056	125	3	0	4	23,037	130	3	0	4	0.98	0.97	0.96
	850	214		25,663	120	3	0	4	27,086	127	3	0	5	0.97	0.95	0.92
	1050	268	R3	30,443	114	3	0	5	31,920	119	4	0	5	0.97	0.95	0.92
	1250	330		34,512	105	4	0	5	36,826	112	4	0	5	0.93	0.90	0.88
	1500	388	R3	39,529	102	4	0	5	40,326	104	3	0	3	0.91	0.87	0.84
	700	177		21,936	124	3	0	3	23,934	135	3	0	4	0.98	0.97	0.96
	850	214	R4	25,512	119	3	0	4	26,879	126	3	0	4	0.97	0.95	0.92
	1050	268		30,302	113	3	0	4	32,416	121	4	0	4	0.97	0.95	0.92
	1200	330	R4	35,047	106	4	0	4	37,042	112	4	0	5	0.93	0.90	0.88
	1500	388		39,490	102	4	0	5	41,858	108	3	0	4	0.91	0.87	0.84
	700	177	R5	22,180	125	3	0	4	23,230	131	3	0	4	0.98	0.97	0.96
	850	214		25,842	121	3	0	4	27,263	127	3	0	5	0.97	0.95	0.92
	1050	268	R5	30,644	114	3	0	5	32,329	121	4	0	5	0.97	0.95	0.92
	1250	330		35,084	106	3	0	5	37,293	113	4	0	5	0.93	0.90	0.88
	1500	388	R5	39,816	103	4	0	5	41,611	107	5	0	3	0.91	0.87	0.84
	700	177		22,895	129	5	0	3	24,776	140	5	0	3	0.98	0.97	0.96
	850	214	R5	26,608	124	5	0	3	28,865	135	5	0	4	0.97	0.95	0.92
	1050	268		31,557	118	5	0	4	34,319	128	5	0	4	0.97	0.95	0.92
	1250	330	R5	36,635	111	5	0	4	39,552	120	5	0	4	0.93	0.90	0.88
	1500	388		41,534	107	5	0	4	44,747	115	5	0	4	0.91	0.87	0.84

Note: Individual fixture performance may vary. Specifications subject to change without notice.

ATB2 LLD Multiplier	15°C	20°C	25°C	30°C	35°C	40°C
	1.02	1.01	1	0.99	0.97	0.96

To calculate the LLD for a temperature other than 25°C, multiply the LLD @ 25°C (shown in the performance package table) by the LLD multiplier for the selected temperature.



AEL Headquarters, 3825 Columbus Road, Granville, OH 43023  
www.americanelectricalighting.com

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Warranty Five-year limited warranty. Complete warranty terms located at:

[www.acuitybrands.com/support/customer-support/terms-and-conditions](http://www.acuitybrands.com/support/customer-support/terms-and-conditions)

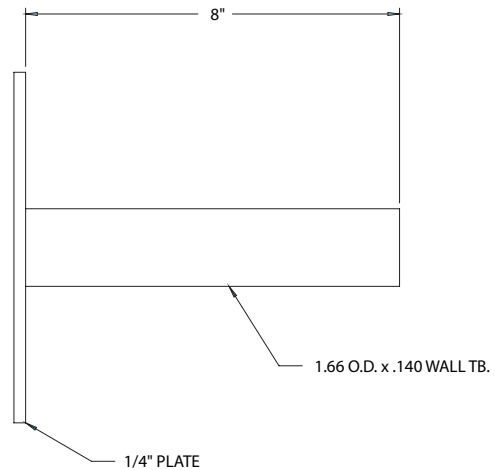
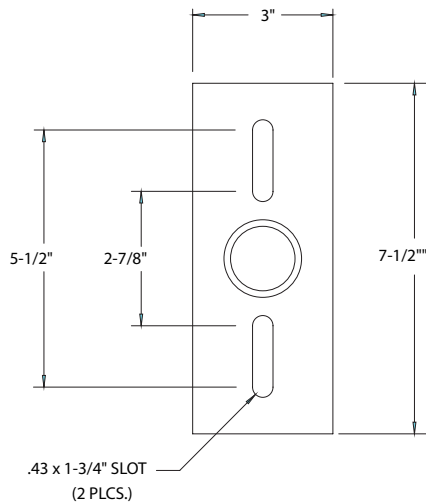
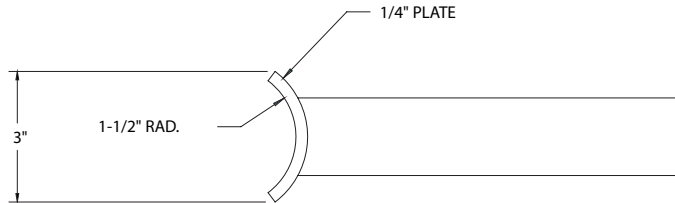
Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Please contact your sales representative for the latest product information.

# Autobahn Series ATB2 Roadway Lighting

## UMR POLE ADAPTOR

RECOMMENDED FOR USE WITH POLES OF 4" DIAMETER OR SMALLER



## UMS POLE ADAPTOR



AEL Headquarters, 3825 Columbus Road, Granville, OH 43023  
www.americanelectriclighting.com

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**Warranty** Five-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/customer-support/terms-and-conditions](http://www.acuitybrands.com/support/customer-support/terms-and-conditions)  
Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

**Please contact your sales representative for the latest product information.**

Catalog Number	
Notes	Type

# MGLEDM

## Mongoose Medium LED



The Mongoose Medium LED offset roadway and area lighting product provides significant energy and maintenance savings vs. HID luminaires. It offers the ultimate in application flexibility with a uniquely designed advanced optical system and attractive appearance. This combined with multiple lighting distributions, mounting options and the ability to tilt the fixture offers unequalled performance in a diverse set of applications ranging from interstates and parking lots.

### Mechanical

- Rugged grade A360 diecast aluminum (<1% copper)
- Tool-less access with stainless steel latches
- Terminal block in arm
- Rigorous 5-stage pretreatment polyester topcoat to ensure maximum durability that achieves a scribe creepage rating of 8 after 5,000 hours of salt spray
- Removable "power tray" facilitates maintenance
- Corrosion resistant stainless-steel latches ensure secure closure over the long fixture life
- Horizontal mast arms or vertical tenon (VH) and universal mounting to round and square poles (UN) options
- Universal mount mates to all major manufacturer's hole patterns
- All Mountings are 3G vibration rated per ANSI C136.31
- Adjustable fixture tilt from 0-45 degrees provides flexibility to optimize lighting performance

### Electrical

- Standard surge protection is 20kV/10kA "Extreme Level" per ANSI C136.2
- LED light engines are rated > 100,000 at 25°C, L70
- Electronic driver has an expected life of > 100,000 hours at 25°C
- Rated for -40°C / (-40°F) minimum ambient
- Programmable electronic driver with 0-10V control leads
- Driver voltage options: 120-277V 50/60 Hz and 347 50/60 Hz and 480V 50/60 Hz

### Optical

- Performance is comparable to 150-400 watt HPS or 175-1,000 watt MH
- IP66 rated borosilicate glass optics ensure longevity and minimize dirt depreciation

- IP66 rated optics
- Molded Silicone optics: Area (Type 5) (AR), Forward Throw (FT), Medium Roadway (MR), Narrow Roadway (NR) and Wide Roadway (WR)
- Borosilicate glass refractor optics: Area (AG), Forward Throw (FG), Medium Roadway (MG), Narrow Roadway (NG) and Wide Roadway (WG)
- 3000K, 4000K and 5000K CCT, 70 CRI
- Optional Uplight Skirt (US) when used with refractor ensures zero upright above 90°
- House side shield (HSS), light trespass shield and option available
- Wire guard kit option available

### Controls

- 7 pin NEMA photocontrol receptacle
- Premium solid-state locking-style photocontrol (PCSS) – 10 year rated life
- Extreme long life solid state locking-style photocontrol (PCLL) – 20 year rated life
- Field adjustable output
- nLight Air motion and daylight sensor
- Programmable motion and daylight sensor

### Certification & Standards

- CSA Certified to US and Canadian standards
- Suitable for operation in an ambient temperature up to 40°C / 104°F for standard product
- Designlights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

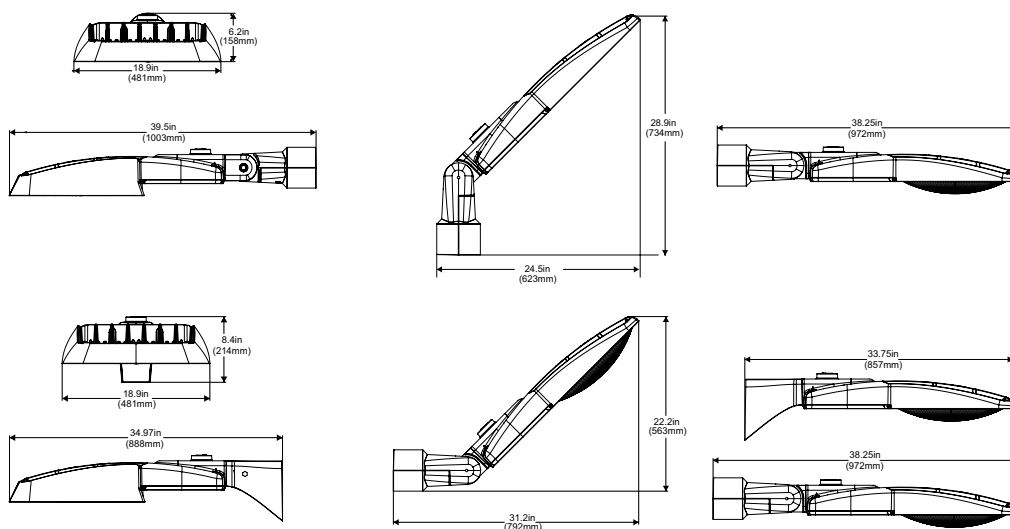
### Warranty

5-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/support/customer-support/terms-and-conditions](http://www.acuitybrands.com/support/customer-support/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C



## DIMENSIONAL DATA



Mounting/Optic	Tilt	Weight	EPA
VH	0°	35 lbs.	1.64 sq. ft.
VH with Refractor & US		44 lbs.	
VH	45°	35 lbs.	2.85 sq. ft.
VH with Refractor & US		44 lbs.	
UN	0°	31 lbs.	1.64 sq. ft.
UN with Refractor & US		38 lbs.	

**ORDERING INFORMATION**

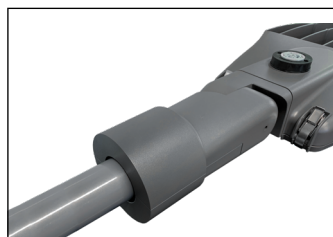
**Example:** MGLEDM P2 40K MVOLT FT UN GRSD

Series	LED performance package	Color temperature	Voltage	Optics
MGLEDM Mongoose Medium	P1 15,400 Lumens P2 19,000 Lumens P3 22,400 Lumens P4 25,800 Lumens P5 28,900 Lumens P6 31,900 Lumens P7 35,100 Lumens P8 38,000 Lumens	30K 3,000 K CCT 40K 4,000 K CCT 50K 5,000 K CCT	MVOLT Auto-sensing voltage (120 thru 277) 347 347 Volt 480 480 Volt	AG Area with Refractor AR Area FG Forward Throw with Refractor FT Forward Throw MG Medium Roadway with Refractor MR Medium Roadway NG Narrow Roadway with Refractor NR Narrow Roadway WG Wide Roadway with Refractor WR Wide Roadway

Mounting	Super Durable Paint	Options
VH Vertical Tenon/ Horizontal Arm UN Universal (Rd. & Sq)	GRSD Vitraccoat Gray GHSD Vitraccoat Graphite BKSD Vitraccoat Black GNSD Vitraccoat Green WHSD Vitraccoat White BZSD Vitraccoat Bronze	<u>Adjustable/Programmable Options</u> AO Field Adjustable Output  <u>Control Options</u> PCLL DTL Extreme Long Life Twistlock Photocontrol for Solid State (20 year rated life) PCSS DSS Premium Twistlock Photocontrol for Solid State (10 year rated life) POC2 Programmable occ. and daylight sensor, for mounting applications up to 20' POC4 Programmable occ. and daylight sensor, for mounting applications between 20' & 40' RSDGR nLight Air Occ. and daylight sensor

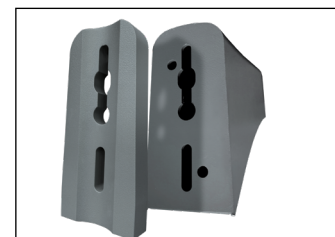
<b>Accessories: Order as separate catalog number.</b>	
<u>Wire Guard Kit</u>	
MGLEDM WG	Mongoose Medium Wire Guard Kit
<u>Light Trespass Shield</u>	
MGLEDM LTS	Mongoose Medium Light Trespass Shield
<u>Uplight Skirt</u>	
MGLEDM US GRSD	Mongoose Medium Uplight Skirt, Vitraccoat Gray
MGLEDM US GHSD	Mongoose Medium Uplight Skirt, Vitraccoat Graphite
MGLEDM US BKSD	Mongoose Medium Uplight Skirt, Vitraccoat Black
MGLEDM US GNSD	Mongoose Medium Uplight Skirt, Vitraccoat Green
MGLEDM US WHSD	Mongoose Medium Uplight Skirt, Vitraccoat White
MGLEDM US BZSD	Mongoose Medium Uplight Skirt, Vitraccoat Bronze
<u>House Side Shield</u>	
MGLEDM HSS	Mongoose Medium House Side Shield

**MOUNTING OPTIONS**



**Vertical Tenon/Horizontal Arm Mount – VH**

Attaches to 2" vertical tenon or horizontal mast arm (2 3/8" O.D.)



**Universal Mount – UN**

Attaches to square or 3" minimum round pole

**OPTIONS MATRIX**

Mounting	SELECTED OPTION (start here)								
	AO	PR7	PCLL	PCSS	POC2	POC4	RSDGR	SH	
Controls	AO		Y	Y	Y	N	N	N	Y
	PR7	Y		Y	Y	N	N	N	Y
	PCLL	Y	Y		N	N	N	N	N
	PCSS	Y	Y	N		N	N	N	N
	POC2	N	N	N	N		N	N	N
	POC4	N	N	N	N	N		N	N
	RSDGR	N	N	N	N	N	N		N
Voltage	SH	Y	Y	N	N	N	N	N	
	MVOLT	Y	Y	Y	Y	Y	Y	Y	Y
	347	Y	Y	Y	N	Y	Y	Y	Y
Performance Packages	480	Y	Y	Y	N	Y	Y	Y	Y
	P1	Y	Y	Y	Y	Y	Y	Y	Y
	P2	Y	Y	Y	Y	Y	Y	Y	Y
	P3	Y	Y	Y	Y	Y	Y	Y	Y
	P4	Y	Y	Y	Y	Y	Y	Y	Y
	P5	Y	Y	Y	Y	Y	Y	Y	Y
	P6	Y	Y	Y	Y	Y	Y	Y	Y
	P7	Y	Y	Y	Y	Y	Y	Y	Y
P8	Y	Y	Y	Y	Y	Y	Y	Y	

Y = Valid Option Combination  
 N = Combination Not available

**LUMEN AMBIENT TEMPERATURE (LAT) MULTIPLIERS**

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Temperature		Ambient Temperature (°C) Lumen Multiplier							
°C	°F	P1	P2	P3	P4	P5	P6	P7	P8
0	32	1.03	1.03	1.03	1.03	1.04	1.04	1.04	1.05
5	41	1.02	1.02	1.03	1.03	1.03	1.03	1.03	1.04
10	50	1.02	1.02	1.02	1.02	1.02	1.02	1.03	1.03
15	59	1.01	1.01	1.01	1.01	1.02	1.02	1.02	1.02
20	68	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01
25	77	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

PERFORMANCE DATA

Performance Package	Distribution	Input Watts	30K (3000K CCT, 70 CRI)					40K (4000K CCT, 70 CRI)					50K (5000K CCT, 70 CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50k Hours	75k Hours	100k Hours
P1	AG	105	15,680	149	4	2	2	16,129	154	4	2	2	16,329	156	4	2	2	0.97	0.97	0.96
	AR		16,915	161	4	0	2	17,400	166	4	0	2	17,616	168	4	0	2			
	FG		14,519	138	2	3	3	14,935	142	2	3	3	15,120	144	3	3	3			
	FT		15,763	150	2	0	3	16,215	154	2	0	3	16,416	156	2	0	3			
	MG		15,064	143	2	2	2	15,496	148	2	2	2	15,687	149	3	2	2			
	MR		16,193	154	2	0	2	16,657	159	3	0	3	16,863	161	3	0	3			
	NG		15,292	146	3	2	2	15,731	150	3	2	2	15,925	152	3	2	2			
	NR		16,326	155	3	0	2	16,794	160	3	0	2	17,002	162	3	0	2			
	WG		14,577	139	3	2	3	14,994	143	3	2	3	15,180	145	3	2	3			
	WR		15,746	150	3	0	3	16,198	154	3	0	3	16,398	156	3	0	3			
P2	AG	126	19,225	153	4	2	2	19,776	157	4	2	2	20,021	159	4	3	2	0.97	0.97	0.96
	AR		20,740	165	4	0	2	21,335	169	4	0	2	21,599	171	4	0	2			
	FG		17,802	141	3	3	3	18,313	145	3	3	4	18,539	147	3	3	4			
	FT		19,328	153	3	0	4	19,882	158	3	0	4	20,128	160	3	0	4			
	MG		18,470	147	3	2	3	19,000	151	3	2	3	19,235	153	3	2	3			
	MR		19,854	158	3	0	3	20,423	162	3	0	3	20,676	164	3	0	3			
	NG		18,750	149	3	2	2	19,288	153	3	2	2	19,527	155	3	2	3			
	NR		20,018	159	3	0	2	20,592	163	3	0	2	20,847	165	3	0	2			
	WG		17,873	142	3	3	3	18,385	146	3	3	3	18,613	148	3	3	3			
	WR		19,307	153	3	0	3	19,860	158	3	0	3	20,106	160	3	0	3			
P3	AG	155	22,726	147	4	3	2	23,377	151	4	3	2	23,667	153	4	3	2	0.97	0.96	0.96
	AR		24,517	158	4	0	2	25,219	163	5	0	3	25,532	165	5	0	3			
	FG		21,044	136	3	3	4	21,647	140	3	3	4	21,915	141	3	3	4			
	FT		22,847	147	3	0	4	23,502	152	3	0	4	23,793	154	3	0	4			
	MG		21,833	141	3	3	3	22,459	145	3	3	3	22,737	147	3	3	3			
	MR		23,469	151	3	0	3	24,142	156	3	0	3	24,441	158	3	0	3			
	NG		22,164	143	3	2	3	22,799	147	3	2	3	23,082	149	3	2	3			
	NR		23,663	153	3	0	3	24,341	157	3	0	3	24,643	159	3	0	3			
	WG		21,127	136	3	3	3	21,732	140	3	3	3	22,001	142	3	3	3			
	WR		22,822	147	3	0	3	23,476	151	3	0	3	23,767	153	3	0	3			
P4	AG	180	26,107	145	4	3	2	26,855	149	4	3	2	27,188	151	4	3	2	0.97	0.96	0.95
	AR		28,164	156	5	0	3	28,972	161	5	0	3	29,330	163	5	0	3			
	FG		24,175	134	3	3	4	24,868	138	3	3	4	25,176	140	3	3	4			
	FT		26,246	146	3	0	5	26,998	150	3	0	5	27,333	152	3	0	5			
	MG		25,082	139	3	3	3	25,800	143	3	3	3	26,120	145	3	3	3			
	MR		26,961	150	3	0	3	27,734	154	3	0	3	28,077	156	3	0	3			
	NG		25,462	141	3	3	3	26,192	146	3	3	3	26,516	147	3	3	3			
	NR		27,184	151	3	0	3	27,963	155	3	0	3	28,309	157	3	0	3			
	WG		24,270	135	3	3	3	24,966	139	3	3	3	25,275	140	3	3	3			
	WR		26,218	146	3	0	3	26,969	150	3	0	3	27,303	152	3	0	3			



PERFORMANCE DATA (continued)

Performance Package	Distribution	Input Watts	30K (3000K CCT, 70 CRI)					40K (4000K CCT, 70 CRI)					50K (5000K CCT, 70 CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50k Hours	75k Hours	100k Hours
P5	AG	206	29,340	142	4	3	2	30,181	147	5	3	3	30,555	148	5	3	3	0.96	0.96	0.95
	AR		31,653	154	5	0	3	32,560	158	5	0	3	32,963	160	5	0	3			
	FG		27,169	132	3	3	5	27,947	136	3	3	5	28,294	137	3	3	5			
	FT		29,497	143	3	0	5	30,342	147	3	0	5	30,718	149	3	0	5			
	MG		28,188	137	3	3	3	28,996	141	3	3	3	29,355	143	3	3	3			
	MR		30,300	147	3	0	3	31,169	151	3	0	3	31,555	153	3	0	3			
	NG		28,615	139	4	3	3	29,436	143	4	3	3	29,800	145	4	3	3			
	NR		30,550	148	4	0	3	31,426	153	4	0	3	31,815	154	4	0	3			
	WG		27,276	132	3	3	3	28,058	136	3	3	3	28,405	138	3	3	3			
	WR		29,465	143	3	0	3	30,309	147	3	0	3	30,685	149	3	0	3			
P6	AG	230	32,375	141	5	3	3	33,303	145	5	3	3	33,715	147	5	3	3	0.96	0.95	0.94
	AR		34,926	152	5	0	3	35,927	156	5	0	3	36,372	158	5	0	3			
	FG		29,978	130	3	3	5	30,838	134	3	3	5	31,220	136	3	3	5			
	FT		32,547	142	3	0	5	33,480	146	3	0	5	33,894	147	3	0	5			
	MG		31,103	135	3	3	3	31,995	139	3	3	3	32,391	141	3	3	3			
	MR		33,434	145	3	0	4	34,392	150	3	0	4	34,818	151	3	0	4			
	NG		31,575	137	4	3	3	32,480	141	4	3	3	32,882	143	4	3	3			
	NR		33,710	147	4	0	3	34,676	151	4	0	3	35,105	153	4	0	3			
	WG		30,097	131	4	3	4	30,960	135	4	3	4	31,343	136	4	3	4			
	WR		32,512	141	3	0	4	33,444	145	3	0	4	33,858	147	4	0	4			
P7	AG	255	35,515	139	5	3	3	36,533	143	5	3	3	36,986	145	5	3	3	0.96	0.95	0.93
	AR		38,314	150	5	0	4	39,412	155	5	0	4	39,900	156	5	0	4			
	FG		32,886	129	3	3	5	33,829	133	4	3	5	34,248	134	4	3	5			
	FT		35,704	140	3	0	5	36,728	144	4	0	5	37,183	146	4	0	5			
	MG		34,120	134	3	3	3	35,098	138	3	3	3	35,533	139	4	3	3			
	MR		36,677	144	3	0	4	37,728	148	3	0	4	38,195	150	3	0	4			
	NG		34,638	136	4	3	3	35,630	140	4	3	3	36,072	141	4	3	3			
	NR		36,980	145	4	0	3	38,040	149	4	0	3	38,511	151	4	0	3			
	WG		33,017	129	4	3	4	33,963	133	4	3	4	34,383	135	4	3	4			
	WR		35,666	140	4	0	4	36,688	144	4	0	4	37,142	146	4	0	4			
P8	AG	280	38,510	138	5	3	3	39,614	141	5	3	3	40,104	143	5	3	3	0.95	0.93	0.92
	AR		41,545	148	5	0	4	42,735	153	5	0	4	43,265	155	5	0	4			
	FG		35,659	127	4	3	5	36,681	131	4	3	5	37,136	133	4	3	5			
	FT		38,715	138	4	0	5	39,824	142	4	0	5	40,318	144	4	0	5			
	MG		36,997	132	4	3	3	38,058	136	4	3	3	38,529	138	4	3	3			
	MR		39,770	142	4	0	4	40,909	146	4	0	4	41,416	148	4	0	4			
	NG		37,558	134	4	3	3	38,635	138	4	3	3	39,113	140	4	3	3			
	NR		40,098	143	4	0	3	41,247	147	4	0	3	41,758	149	4	0	3			
	WG		35,800	128	4	3	4	36,827	132	4	3	4	37,283	133	4	3	4			
	WR		38,673	138	4	0	4	39,782	142	4	0	4	40,274	144	4	0	4			

PERFORMANCE DATA — SKIRT OPTION

Performance Package	Distribution	Input Watts	30K (3000K CCT, 70 CRI)					40K (4000K CCT, 70 CRI)					50K (5000K CCT, 70 CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50k Hours	75k Hours	100k Hours
P1	AG	105	14,813	141	3	0	2	15,237	145	3	0	2	15,426	147	3	0	2	0.97	0.97	0.96
	AR		16,041	153	4	0	2	16,500	157	4	0	2	16,705	159	4	0	2			
	FG		13,647	130	3	0	2	14,038	134	3	0	2	14,212	135	3	0	2			
	FT		14,662	140	2	0	2	15,082	144	2	0	2	15,269	145	2	0	2			
	MG		14,623	139	2	0	2	15,042	143	3	0	2	15,228	145	3	0	2			
	MR		15,485	147	2	0	2	15,928	152	2	0	2	16,126	154	2	0	2			
	NG		14,965	143	3	0	2	15,394	147	3	0	2	15,585	148	3	0	2			
	NR		15,868	151	3	0	2	16,323	155	3	0	2	16,525	157	3	0	2			
	WG		13,943	133	3	0	2	14,343	137	3	0	2	14,521	138	3	0	2			
	WR		14,571	139	3	0	2	14,989	143	3	0	2	15,174	145	3	0	2			
P2	AG	126	18,162	144	4	0	2	18,683	148	4	0	2	18,914	150	4	0	2	0.97	0.97	0.96
	AR		19,668	156	4	0	2	20,232	161	4	0	2	20,482	163	4	0	2			
	FG		16,733	133	3	0	2	17,212	137	3	0	2	17,426	138	3	0	2			
	FT		17,978	143	3	0	3	18,493	147	3	0	3	18,722	149	3	0	3			
	MG		17,929	142	3	0	2	18,443	146	3	0	2	18,672	148	3	0	2			
	MR		18,986	151	3	0	2	19,530	155	3	0	3	19,772	157	3	0	3			
	NG		18,349	146	3	0	2	18,875	150	3	0	2	19,109	152	3	0	2			
	NR		19,456	154	3	0	2	20,014	159	3	0	2	20,262	161	3	0	2			
	WG		17,097	136	3	0	3	17,587	140	3	0	3	17,804	141	3	0	3			
	WR		17,866	142	3	0	2	18,378	146	3	0	3	18,606	148	3	0	3			
P3	AG	155	21,469	139	4	0	2	22,084	142	4	0	2	22,358	144	4	0	2	0.97	0.96	0.96
	AR		23,249	150	4	0	2	23,915	154	4	0	2	24,211	156	4	0	2			
	FG		19,779	128	3	0	2	20,346	131	3	0	3	20,598	133	3	0	3			
	FT		21,251	137	3	0	3	21,860	141	3	0	3	22,131	143	3	0	3			
	MG		21,194	137	3	0	3	21,801	141	3	0	3	22,071	142	3	0	3			
	MR		22,443	145	3	0	3	23,086	149	3	0	3	23,372	151	3	0	3			
	NG		21,690	140	3	0	2	22,312	144	3	0	2	22,588	146	3	0	2			
	NR		22,999	148	3	0	2	23,658	153	3	0	2	23,951	155	3	0	2			
	WG		20,209	130	3	0	3	20,788	134	3	0	3	21,046	136	3	0	3			
	WR		21,119	136	3	0	3	21,724	140	3	0	3	21,993	142	3	0	3			
P4	AG	180	24,663	137	4	0	2	25,370	141	4	0	2	25,685	143	4	0	2	0.97	0.96	0.95
	AR		26,708	148	4	0	2	27,474	153	4	0	2	27,814	155	4	0	2			
	FG		22,722	126	3	0	3	23,374	130	3	0	3	23,663	131	3	0	3			
	FT		24,413	136	3	0	3	25,113	140	3	0	3	25,424	141	3	0	3			
	MG		24,347	135	3	0	3	25,045	139	3	0	3	25,355	141	3	0	3			
	MR		25,782	143	3	0	3	26,521	147	3	0	3	26,850	149	3	0	3			
	NG		24,917	138	3	0	2	25,631	142	3	0	2	25,949	144	4	0	2			
	NR		26,421	147	3	0	2	27,178	151	3	0	2	27,515	153	3	0	2			
	WG		23,216	129	3	0	3	23,882	133	3	0	3	24,177	134	3	0	3			
	WR		24,261	135	3	0	3	24,957	139	3	0	3	25,266	140	3	0	3			

PERFORMANCE DATA — UPLIGHT SKIRT OPTION (continued)

Performance Package	Distribution	Input Watts	30K (3000K CCT, 70 CRI)					40K (4000K CCT, 70 CRI)					50K (5000K CCT, 70 CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50k Hours	75k Hours	100k Hours
P5	AG	206	27,718	135	4	0	2	28,513	138	4	0	2	28,866	140	4	0	2	0.96	0.96	0.95
	AR		30,016	146	5	0	3	30,876	150	5	0	3	31,259	152	5	0	3			
	FG		25,536	124	3	0	3	26,268	128	3	0	3	26,594	129	3	0	3			
	FT		27,437	133	3	0	4	28,223	137	3	0	4	28,572	139	3	0	4			
	MG		27,362	133	3	0	3	28,147	137	3	0	3	28,495	138	3	0	3			
	MR		28,975	141	3	0	3	29,806	145	3	0	3	30,175	146	3	0	3			
	NG		28,003	136	4	0	2	28,806	140	4	0	2	29,163	142	4	0	2			
	NR		29,693	144	4	0	2	30,544	148	4	0	2	30,922	150	4	0	2			
	WG		26,091	127	3	0	3	26,839	130	3	0	3	27,172	132	3	0	3			
	WR		27,266	132	3	0	3	28,048	136	3	0	3	28,395	138	3	0	3			
P6	AG	230	30,585	133	5	0	2	31,461	137	5	0	2	31,851	138	5	0	2	0.96	0.95	0.94
	AR		33,120	144	5	0	3	34,069	148	5	0	3	34,491	150	5	0	3			
	FG		28,177	123	3	0	3	28,985	126	3	0	3	29,344	128	3	0	3			
	FT		30,274	132	3	0	4	31,142	135	3	0	4	31,527	137	3	0	4			
	MG		30,192	131	3	0	3	31,058	135	3	0	3	31,442	137	3	0	3			
	MR		31,972	139	3	0	3	32,888	143	3	0	3	33,296	145	3	0	3			
	NG		30,899	134	4	0	2	31,785	138	4	0	2	32,178	140	4	0	2			
	NR		32,764	142	4	0	2	33,703	147	4	0	3	34,120	148	4	0	3			
	WG		28,790	125	4	0	3	29,615	129	4	0	3	29,982	130	4	0	3			
	WR		30,086	131	3	0	3	30,948	135	3	0	3	31,331	136	4	0	3			
P7	AG	255	33,551	132	5	0	3	34,513	135	5	0	3	34,941	137	5	0	3	0.96	0.95	0.93
	AR		36,333	142	5	0	3	37,374	147	5	0	3	37,837	148	5	0	3			
	FG		30,911	121	4	0	4	31,797	125	4	0	4	32,190	126	4	0	4			
	FT		33,211	130	4	0	4	34,163	134	4	0	4	34,586	136	4	0	4			
	MG		33,121	130	4	0	3	34,070	134	4	0	3	34,492	135	4	0	3			
	MR		35,073	138	3	0	3	36,079	141	4	0	3	36,526	143	4	0	3			
	NG		33,897	133	4	0	2	34,868	137	4	0	3	35,300	138	4	0	3			
	NR		35,942	141	4	0	3	36,972	145	4	0	3	37,430	147	4	0	3			
	WG		31,582	124	4	0	3	32,488	127	4	0	3	32,890	129	4	0	3			
	WR		33,004	129	4	0	3	33,950	133	4	0	3	34,371	135	4	0	3			
P8	AG	280	36,380	130	5	0	3	37,423	134	5	0	3	37,887	135	5	0	3	0.95	0.93	0.92
	AR		39,396	141	5	0	3	40,526	145	5	0	3	41,027	147	5	0	3			
	FG		33,517	120	4	0	4	34,478	123	4	0	4	34,905	125	4	0	4			
	FT		36,011	129	4	0	4	37,043	132	4	0	4	37,502	134	4	0	4			
	MG		35,914	128	4	0	3	36,943	132	4	0	3	37,401	134	4	0	3			
	MR		38,031	136	4	0	4	39,121	140	4	0	4	39,605	141	4	0	4			
	NG		36,755	131	4	0	3	37,808	135	4	0	3	38,276	137	4	0	3			
	NR		38,972	139	4	0	3	40,089	143	4	0	3	40,586	145	4	0	3			
	WG		34,245	122	4	0	3	35,227	126	4	0	3	35,663	127	4	0	3			
	WR		35,787	128	4	0	4	36,813	131	4	0	4	37,269	133	4	0	4			

PERFORMANCE DATA — HOUSE SIDE SHIELD OPTION

Performance Package	Distribution	Input Watts	30K (3000K CCT, 70 CRI)					40K (4000K CCT, 70 CRI)					50K (5000K CCT, 70 CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50k Hours	75k Hours	100k Hours
P1	AG	105	6,999	67	1	2	2	7,199	69	1	2	2	7,288	69	1	2	2	0.97	0.97	0.96
	AR		9,980	95	1	2	2	10,266	98	1	2	2	10,393	99	1	2	2			
	FG		9,965	95	1	2	3	10,251	98	1	2	3	10,378	99	1	2	3			
	FT		11,584	110	1	2	3	11,916	113	1	2	3	12,064	115	1	2	3			
	MG		11,335	108	1	2	2	11,660	111	1	2	2	11,804	112	1	2	2			
	MR		12,900	123	1	2	2	13,270	126	1	2	2	13,435	128	1	2	2			
	NG		13,205	126	1	2	2	13,584	129	1	2	2	13,752	131	1	2	2			
	NR		13,221	126	1	2	2	13,599	130	1	2	2	13,768	131	1	2	2			
	WG		10,624	101	1	2	2	10,928	104	1	2	2	11,064	105	1	2	2			
	WR		12,269	117	2	2	3	12,621	120	2	2	3	12,777	122	2	2	3			
P2	AG	126	8,581	68	1	2	2	8,827	70	1	2	2	8,937	71	1	2	2	0.97	0.97	0.96
	AR		12,237	97	1	2	2	12,588	100	1	2	2	12,743	101	1	2	2			
	FG		12,219	97	1	3	3	12,569	100	1	3	3	12,725	101	1	3	3			
	FT		14,204	113	1	2	3	14,611	116	1	3	3	14,792	117	1	3	3			
	MG		13,898	110	1	2	2	14,297	113	1	2	2	14,474	115	1	2	2			
	MR		15,818	126	2	2	2	16,271	129	2	2	2	16,473	131	2	2	2			
	NG		16,191	129	1	2	3	16,655	132	1	2	3	16,861	134	1	2	3			
	NR		16,210	129	1	2	3	16,675	132	1	2	3	16,881	134	1	2	3			
	WG		13,026	103	1	2	3	13,400	106	2	2	3	13,566	108	2	2	3			
	WR		15,043	119	2	2	3	15,475	123	2	2	3	15,666	124	2	2	3			
P3	AG	155	10,144	65	1	2	2	10,434	67	1	2	2	10,564	68	1	2	2	0.97	0.96	0.96
	AR		14,465	93	1	2	3	14,879	96	1	2	3	15,064	97	1	2	3			
	FG		14,443	93	1	3	3	14,857	96	1	3	3	15,041	97	1	3	3			
	FT		16,790	108	1	3	3	17,271	111	1	3	3	17,485	113	1	3	3			
	MG		16,429	106	2	2	2	16,900	109	2	2	3	17,109	110	2	2	3			
	MR		18,698	121	2	2	3	19,233	124	2	2	3	19,472	126	2	2	3			
	NG		19,139	123	2	2	3	19,688	127	2	3	3	19,931	129	2	3	3			
	NR		19,161	124	1	2	3	19,711	127	1	2	3	19,955	129	1	2	3			
	WG		15,398	99	2	2	3	15,839	102	2	3	3	16,035	103	2	3	3			
	WR		17,782	115	2	2	3	18,292	118	2	2	3	18,518	119	2	2	3			
P4	AG	180	11,653	65	1	2	2	11,987	67	1	2	2	12,135	67	1	2	2	0.97	0.96	0.95
	AR		16,617	92	1	2	3	17,093	95	1	2	3	17,305	96	1	2	3			
	FG		16,592	92	1	3	3	17,068	95	1	3	3	17,279	96	1	3	3			
	FT		19,288	107	1	3	4	19,841	110	1	3	4	20,086	112	1	3	4			
	MG		18,873	105	2	3	3	19,414	108	2	3	3	19,655	109	2	3	3			
	MR		21,480	119	2	2	3	22,095	123	2	2	3	22,369	124	2	2	3			
	NG		21,987	122	2	3	3	22,617	126	2	3	3	22,897	127	2	3	3			
	NR		22,012	122	2	2	3	22,643	126	2	2	3	22,924	127	2	2	3			
	WG		17,689	98	2	3	3	18,196	101	2	3	3	18,421	102	2	3	3			
	WR		20,428	113	2	2	3	21,014	117	2	2	3	21,274	118	2	2	3			

PERFORMANCE DATA — HOUSE SIDE SHIELD OPTION (continued)

Performance Package	Distribution	Input Watts	30K (3000K CCT, 70 CRI)					40K (4000K CCT, 70 CRI)					50K (5000K CCT, 70 CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50k Hours	75k Hours	100k Hours
P5	AG	206	13,096	64	1	2	2	13,472	65	1	2	2	13,638	66	1	2	2	0.96	0.96	0.95
	AR		18,675	91	1	3	3	19,210	93	1	3	3	19,448	94	1	3	3			
	FG		18,647	91	1	3	4	19,182	93	1	3	4	19,419	94	1	3	4			
	FT		21,677	105	1	3	4	22,298	108	1	3	4	22,574	110	1	3	4			
	MG		21,211	103	2	3	3	21,819	106	2	3	3	22,089	107	2	3	3			
	MR		24,140	117	2	2	3	24,832	121	2	2	3	25,139	122	2	2	3			
	NG		24,710	120	2	3	3	25,418	123	2	3	3	25,733	125	2	3	3			
	NR		24,739	120	2	3	3	25,448	124	2	3	3	25,763	125	2	3	3			
	WG		19,880	97	2	3	3	20,450	99	2	3	3	20,703	101	2	3	3			
	WR		22,958	111	2	2	3	23,616	115	2	2	3	23,909	116	3	2	3			
P6	AG	230	14,451	63	1	3	3	14,865	65	1	3	3	15,049	65	1	3	3	0.96	0.95	0.94
	AR		20,606	90	1	3	3	21,197	92	1	3	3	21,459	93	1	3	4			
	FG		20,576	89	1	3	4	21,165	92	1	3	4	21,428	93	1	3	4			
	FT		23,918	104	1	3	4	24,604	107	1	3	4	24,909	108	1	3	4			
	MG		23,404	102	2	3	3	24,075	105	2	3	3	24,373	106	2	3	3			
	MR		26,636	116	2	2	3	27,400	119	2	2	3	27,739	121	2	2	4			
	NG		27,265	119	2	3	3	28,047	122	2	3	3	28,394	123	2	3	3			
	NR		27,297	119	2	3	3	28,079	122	2	3	3	28,427	124	2	3	3			
	WG		21,936	95	2	3	3	22,564	98	2	3	3	22,844	99	2	3	3			
	WR		25,332	110	3	2	3	26,058	113	3	2	3	26,381	115	3	2	4			
P7	AG	255	15,852	62	1	3	3	16,307	64	1	3	3	16,509	65	1	3	3	0.96	0.95	0.93
	AR		22,605	89	1	3	4	23,253	91	1	3	4	23,541	92	1	3	4			
	FG		22,572	89	2	3	4	23,219	91	2	3	4	23,506	92	2	3	4			
	FT		26,239	103	1	3	4	26,991	106	1	3	4	27,325	107	2	3	4			
	MG		25,675	101	2	3	3	26,411	104	2	3	3	26,738	105	2	3	3			
	MR		29,220	115	2	3	4	30,058	118	3	3	4	30,430	119	3	3	4			
	NG		29,910	117	2	3	3	30,767	121	2	3	3	31,148	122	2	3	3			
	NR		29,945	117	2	3	3	30,803	121	2	3	3	31,185	122	2	3	3			
	WG		24,063	94	2	3	3	24,753	97	2	3	3	25,060	98	2	3	3			
	WR		27,790	109	3	3	4	28,586	112	3	3	4	28,940	113	3	3	4			
P8	AG	280	17,189	61	1	3	3	17,682	63	1	3	3	17,901	64	1	3	3	0.95	0.93	0.92
	AR		24,511	88	1	3	4	25,214	90	1	3	4	25,526	91	1	3	4			
	FG		24,475	87	2	3	4	25,176	90	2	3	4	25,488	91	2	3	4			
	FT		28,451	102	2	3	4	29,266	105	2	3	4	29,629	106	2	3	4			
	MG		27,840	99	2	3	3	28,638	102	2	3	3	28,992	104	2	3	3			
	MR		31,684	113	3	3	4	32,592	116	3	3	4	32,996	118	3	3	4			
	NG		32,432	116	2	3	3	33,362	119	2	3	4	33,775	121	2	3	4			
	NR		32,470	116	2	3	3	33,401	119	2	3	3	33,814	121	2	3	3			
	WG		26,092	93	2	3	3	26,840	96	3	3	4	27,173	97	3	3	4			
	WR		30,133	108	3	3	4	30,996	111	3	3	4	31,380	112	3	3	4			

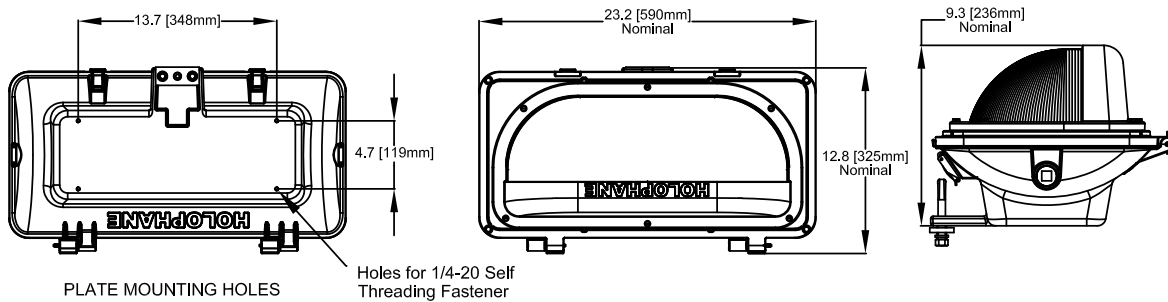
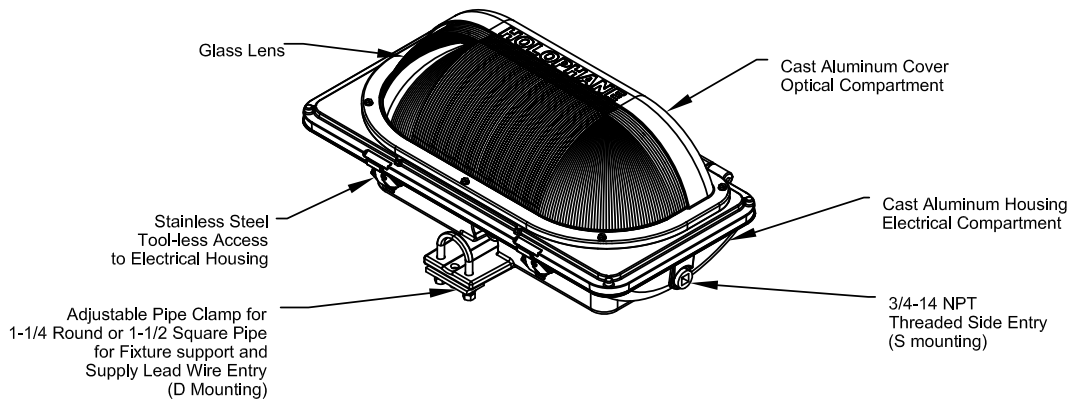
PERFORMANCE DATA — UPLIGHT SKIRT + HOUSE SIDE SHIELD OPTION

Performance Package	Distribution	Input Watts	30K (3000K CCT, 70 CRI)					40K (4000K CCT, 70 CRI)					50K (5000K CCT, 70 CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50k Hours	75k Hours	100k Hours
P1	AG	105	8,036	77	1	0	2	8,266	79	1	0	2	8,368	80	1	0	2	0.97	0.97	0.96
	AR		9,275	88	1	0	2	9,541	91	1	0	2	9,659	92	1	0	2			
	FG		8,948	85	1	0	2	9,204	88	1	0	2	9,318	89	1	0	2			
	FT		10,422	99	1	0	2	10,720	102	1	0	2	10,853	103	1	0	2			
	MG		10,580	101	1	0	2	10,884	104	1	0	2	11,018	105	1	0	2			
	MR		12,257	117	1	0	2	12,609	120	1	0	2	12,765	122	1	0	2			
	NG		11,030	105	1	0	2	11,347	108	1	0	2	11,487	109	1	0	2			
	NR		12,554	120	1	0	2	12,914	123	1	0	2	13,074	125	1	0	2			
	WG		9,525	91	1	0	2	9,798	93	1	0	2	9,919	94	1	0	2			
	WR		10,983	105	1	0	2	11,298	108	1	0	2	11,438	109	1	0	2			
P2	AG	126	9,853	78	1	0	2	10,135	80	1	0	2	10,261	81	1	0	2	0.97	0.97	0.96
	AR		11,373	90	1	0	2	11,699	93	1	0	2	11,844	94	1	0	2			
	FG		10,971	87	1	0	2	11,286	90	1	0	2	11,425	91	1	0	2			
	FT		12,778	101	1	0	2	13,145	104	1	0	2	13,307	106	1	0	2			
	MG		12,973	103	1	0	2	13,345	106	1	0	2	13,510	107	1	0	2			
	MR		15,029	119	1	0	2	15,460	123	1	0	2	15,651	124	1	0	2			
	NG		13,525	107	1	0	2	13,912	110	1	0	2	14,085	112	1	0	2			
	NR		15,393	122	1	0	2	15,835	126	1	0	2	16,031	127	1	0	2			
	WG		11,678	93	1	0	2	12,013	95	1	0	2	12,162	97	1	0	2			
	WR		13,467	107	2	0	2	13,853	110	2	0	2	14,024	111	2	0	2			
P3	AG	155	11,647	75	1	0	2	11,981	77	1	0	2	12,129	78	1	0	2	0.97	0.96	0.96
	AR		13,444	87	1	0	2	13,829	89	1	0	2	14,000	90	1	0	2			
	FG		12,969	84	1	0	2	13,340	86	1	0	2	13,506	87	1	0	2			
	FT		15,105	97	1	0	3	15,538	100	1	0	3	15,730	101	1	0	3			
	MG		15,335	99	1	0	2	15,774	102	1	0	2	15,970	103	2	0	2			
	MR		17,765	115	2	0	2	18,275	118	2	0	2	18,501	119	2	0	2			
	NG		15,987	103	1	0	2	16,445	106	1	0	2	16,649	107	1	0	2			
	NR		18,196	117	1	0	2	18,718	121	1	0	2	18,949	122	1	0	2			
	WG		13,805	89	2	0	2	14,200	92	2	0	2	14,376	93	2	0	2			
	WR		15,918	103	2	0	2	16,375	106	2	0	2	16,577	107	2	0	2			
P4	AG	180	13,380	74	1	0	2	13,452	75	1	0	2	13,934	77	1	0	2	0.97	0.96	0.95
	AR		15,444	86	1	0	3	15,457	86	1	0	3	16,083	89	1	0	3			
	FG		14,898	83	1	0	2	15,253	85	1	0	2	15,515	86	1	0	2			
	FT		17,352	96	1	0	3	17,705	98	1	0	3	18,071	100	1	0	3			
	MG		17,617	98	2	0	2	17,937	100	2	0	2	18,346	102	2	0	2			
	MR		20,409	113	2	0	3	20,784	115	2	0	3	21,254	118	2	0	3			
	NG		18,366	102	2	0	2	18,649	104	2	0	2	19,126	106	2	0	2			
	NR		20,903	116	2	0	2	21,201	118	2	0	2	21,769	121	2	0	2			
	WG		15,859	88	2	0	2	16,313	91	2	0	2	16,515	92	2	0	2			
	WR		18,287	102	2	0	2	18,617	103	2	0	2	19,044	106	2	0	2			

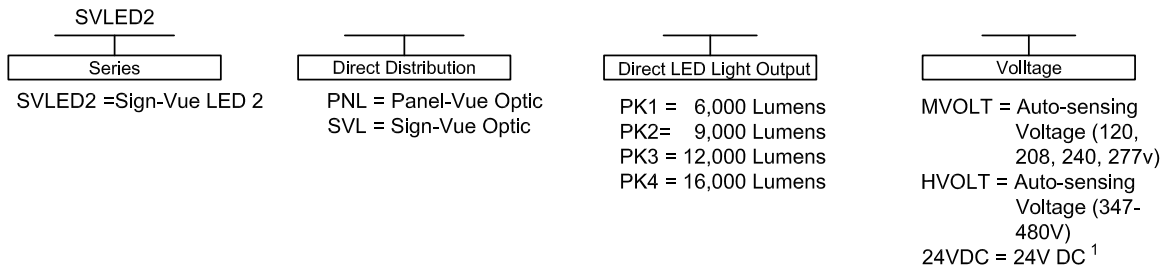
PERFORMANCE DATA — UPLIGHT SKIRT + HOUSE SIDE SHIELD OPTION (continued)

Performance Package	Distribution	Input Watts	30K (3000K CCT, 70 CRI)					40K (4000K CCT, 70 CRI)					50K (5000K CCT, 70 CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50k Hours	75k Hours	100k Hours
P5	AG	206	15,037	73	1	0	2	15,468	75	1	0	2	15,659	76	1	0	2	0.96	0.96	0.95
	AR		17,356	84	1	0	3	17,854	87	1	0	3	18,075	88	1	0	3			
	FG		16,743	81	2	0	3	17,223	84	2	0	3	17,437	85	2	0	3			
	FT		19,501	95	1	0	3	20,060	97	2	0	3	20,309	99	2	0	3			
	MG		19,798	96	2	0	2	20,366	99	2	0	2	20,618	100	2	0	2			
	MR		22,936	111	2	0	3	23,594	115	2	0	3	23,886	116	2	0	3			
	NG		20,641	100	2	0	2	21,232	103	2	0	2	21,495	104	2	0	2			
	NR		23,492	114	2	0	2	24,166	117	2	0	2	24,465	119	2	0	2			
	WG		17,823	87	2	0	2	18,333	89	2	0	2	18,561	90	2	0	2			
	WR		20,552	100	2	0	2	21,141	103	2	0	3	21,403	104	2	0	3			
P6	AG	230	16,592	72	1	0	2	17,067	74	1	0	2	17,279	75	1	0	2	0.96	0.95	0.94
	AR		19,151	83	1	0	3	19,700	86	1	0	3	19,944	87	1	0	3			
	FG		18,475	80	2	0	3	19,005	83	2	0	3	19,240	84	2	0	3			
	FT		21,518	94	2	0	4	22,135	96	2	0	4	22,409	97	2	0	4			
	MG		21,846	95	2	0	2	22,472	98	2	0	2	22,750	99	2	0	2			
	MR		25,308	110	2	0	3	26,034	113	2	0	3	26,356	115	2	0	3			
	NG		22,775	99	2	0	2	23,428	102	2	0	2	23,718	103	2	0	2			
	NR		25,922	113	2	0	2	26,665	116	2	0	3	26,995	117	2	0	3			
	WG		19,666	86	2	0	2	20,229	88	2	0	2	20,480	89	2	0	2			
	WR		22,677	99	2	0	3	23,327	101	2	0	3	23,616	103	2	0	3			
P7	AG	255	18,201	71	1	0	3	18,723	73	2	0	3	18,955	74	2	0	3	0.96	0.95	0.93
	AR		21,009	82	1	0	3	21,611	85	1	0	3	21,879	86	1	0	3			
	FG		20,267	79	2	0	3	20,848	82	2	0	3	21,106	83	2	0	3			
	FT		23,606	93	2	0	4	24,282	95	2	0	4	24,583	96	2	0	4			
	MG		23,965	94	2	0	3	24,652	97	2	0	3	24,957	98	2	0	3			
	MR		27,763	109	2	0	3	28,559	112	2	0	3	28,913	113	2	0	3			
	NG		24,984	98	2	0	2	25,701	101	2	0	2	26,019	102	2	0	2			
	NR		28,436	112	2	0	3	29,251	115	2	0	3	29,614	116	2	0	3			
	WG		21,573	85	2	0	2	22,192	87	2	0	2	22,467	88	2	0	2			
	WR		24,877	98	2	0	3	25,590	100	2	0	3	25,907	102	2	0	3			
P8	AG	280	19,736	70	2	0	3	20,302	73	2	0	3	20,553	73	2	0	3	0.95	0.93	0.92
	AR		22,781	81	2	0	3	23,434	84	2	0	4	23,724	85	2	0	4			
	FG		21,976	78	2	0	3	22,606	81	2	0	3	22,886	82	2	0	3			
	FT		25,596	91	2	0	4	26,330	94	2	0	4	26,656	95	2	0	4			
	MG		25,986	93	2	0	3	26,730	95	2	0	3	27,062	97	2	0	3			
	MR		30,104	108	2	0	3	30,967	111	2	0	4	31,351	112	3	0	4			
	NG		27,091	97	2	0	2	27,868	100	2	0	2	28,213	101	2	0	2			
	NR		30,834	110	2	0	3	31,718	113	2	0	3	32,111	115	2	0	3			
	WG		23,393	84	2	0	2	24,063	86	2	0	3	24,361	87	2	0	3			
	WR		26,975	96	3	0	3	27,748	99	3	0	3	28,091	100	3	0	3			

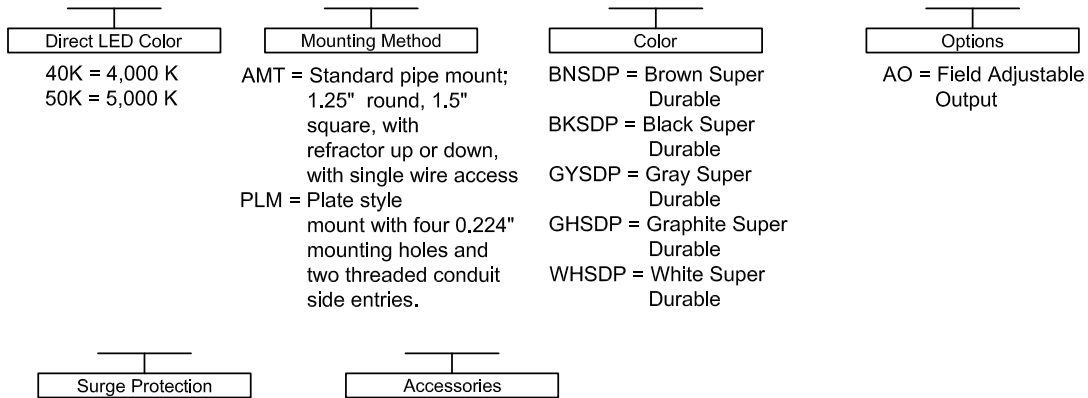
MVOLT/ HVOLT Max Weight: 26.1 lbs (11.8 Kg)  
 Max EPA = .67 ft<sup>2</sup> (.06 m<sup>2</sup>)  
 CSA Certified to U.S. and Canadian Standards  
 Ambient Rating: 40°C  
 Wet Location



Customer Preferred: (Most Frequently Ordered Catalog Numbers)  
 SVLED2 PNL PK3 MVOLT 50K AMT GYSD



**ORDERING INFORMATION:**



Surge Protection

IL = SPD Fail off with <sup>2</sup> indicator light for MVOLT only

Accessories

SVLEDF1FUS10 = Single Fuse Kit  
 SVLEDF2FUS10 = Double Fuse Kit  
 SVLEDTAB - Tenon Adapter for 1.5" NPS Pipe, Brown  
 SVLEDTAG - Tenon Adapter for 1.5" NPS Pipe, Gray  
 SVLEDTAH - Tenon Adapter for 1.5" NPS Pipe, Graphite  
 SVLEDTAW - Tenon Adapter for 1.5" NPS Pipe, White

Notes:

- PK1 only.
- Optional SPD

# Sign-Vue<sup>®</sup> LED II

Infrastructure  
 Speciality



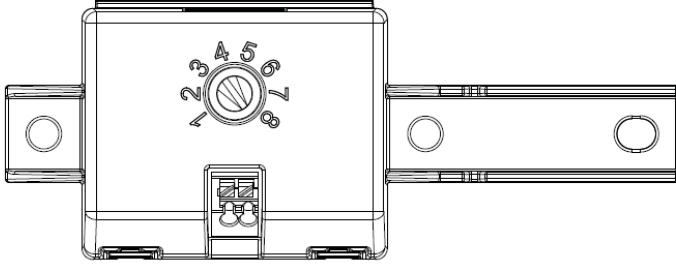
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ORDER #:	
TYPE:	
DRAWN:	BGW
DATE:	1-4-18
DWG #:	LUM_SVLED2_DOT





The Field Adjustable Output (AO) module



Configuration	FAO Position	Lumens %	Wattage %
PK1, PK2, PK3, PK4 - PNL,SVL	8	100%	100%
	7	100%	100%
	6	99%	99%
	5	87%	90%
	4	74%	79%
	3	61%	68%
	2	49%	56%
	1	36%	42%

Operating Characteristics

Direct Distribution	LED Light Output	5000 K CCT			LLD @ 25C		
		Lumens	Input Watts	LPW	50K Hours	75K Hours	100K Hours
PNL	PK1	6,033	54	112	89	84	80
PNL	PK2	9,644	82	118	89	84	80
PNL	PK3	12,730	108	118	89	84	80
PNL	PK4	16,500	147	112	89	84	80
SVL	PK1	6,126	54	113	89	84	80
SVL	PK2	9,818	82	120	89	84	80
SVL	PK3	12,980	108	120	89	84	80
SVL	PK4	16,880	147	115	89	84	80

24 VDC Units											
Optics	Output	Number of LED's	Drive Current	CCT	Delivered Lumens	Input Operating Amps			24 VDC		L70@ 25°C
						21 VDC	24 VDC	27 VDC	Input Watts	LPW	
SVL	PK1	14	1050mA	5000K	6126	2.82	2.54	2.22	55 W	111	>100,000 hrs
PNL	PK1	14	1050mA	5000K	6033	2.82	2.54	2.22	55 W	110	>100,000 hrs

LED Driver life 100,000 hours at 25C for PK1, PK2, PK3, PK4.

Sign-Vue® LED II

Infrastructure  
Specialty

**HOLOPHANE®**  
LEADER IN LIGHTING SOLUTIONS  
An Acuity Brands Company

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ORDER #:  
TYPE:  
DRAWN: BGW  
DATE: 1-4-18  
DWG #: LUM\_SVLED2\_DOT