



**CITY OF FAIRHOPE
INVITATION TO BID**

SEALED BIDS will be received by the City of Fairhope of Baldwin County, Alabama, in the City of Fairhope's City Services and Public Utilities Building located at, 555 South Section St. Fairhope, Alabama, until 2:30 P.M. Tuesday, March 26, 2024, and then publicly opened thereafter, for furnishing all labor and materials, and performing all work required by the City of Fairhope and described as follows:

**Bid Number 24-037
Light Package for Greeno Road**

The City of Fairhope is requesting responses from qualified suppliers for the acquisition of lighting equipment and materials listed in the lighting package for Greeno Road. City reserves the right to award based on convenience of delivery date.

Bid documents will be posted on the City of Fairhope Website: www.FairhopeAL.gov or a copy may be obtained by e-mailing: Purchasing@FairhopeAL.gov. Specifications are on file and may be seen in the Purchasing Department of the City of Fairhope, Alabama, 555 S. Section Street. Prior to opening, Bid packages may be picked up at that location during normal operation, between 7:00 am and 4:00 pm local time.

Questions or comments pertaining to this bid must be presented in writing, sent as e-mail to the attention of the Purchasing Manager, Erin Wolfe, 555 South Section St., Fairhope, AL 36532, e-mail: Purchasing@FairhopeAL.gov, by Tuesday, March 19, 2024, at 11:00 A.M. or will be forever waived.

The City of Fairhope is an Equal Opportunity Employer and requires that all **BIDDERS** comply with the Equal Employment Opportunity laws and the provisions of the CONTRACT Documents in this regard. The **CITY** also encourages and supports the utilization of Minority Business Enterprises on this and all public bids.

All bids must be on blank bid forms provided in the Bid Documents. All bids, with their guarantee (when required), must be enclosed in a sealed, opaque envelope, clearly identified on the outside as a "**Sealed Bid**" with **Item Name, Bid Number, City of Fairhope's Name and Address and CONTRACTOR's Name and Address**. Each bid must be in a separate envelope. Bids made out in pencil will not be accepted. Failure to observe the instructions contained herein will constitute grounds for rejection of your bid. The **City** reserves the right to accept or reject all bids or any portion thereof, and to waive informalities and to furnish any item of material or work to change the amount of the CONTRACT, whichever is in the best interest of the City of Fairhope.

No bids will be considered unless the **CONTRACTOR**, whether resident or non-resident of Alabama, is properly qualified to submit a proposal for this type of work in accordance with all applicable laws of the State of Alabama. Where applicable, this shall include evidence of holding a current license from the State Licensing board for General BIDDERS, Montgomery, Alabama, as required by Chapter 8 of Title 34, of the Code of Alabama, 1975. In addition, the Awarded Vendor, if non-resident of the State, and if a corporation, shall show evidence of having qualified with the Secretary of State to do business in the State of Alabama. **CONTRACTOR** must have a current business license or purchase a business license with the City of Fairhope prior to work performed. No bids shall be withdrawn for the period of thirty (30) days subsequent to the opening of proposals without the consent of the City of Fairhope, Baldwin County, Alabama. Once completed, a tabulation of the responsive and responsible bids will be available for public viewing by visiting the following web address: www.FairhopeAL.gov.



**INVITATION TO BID
NO. 24-037
LIGHT PACKAGE FOR GREENO ROAD**

**CITY OF FAIRHOPE
SHERRY SULLIVAN, MAYOR**

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**ITEM I
INVITATION AND INSTRUCTIONS TO BIDDERS**

1.00 BID INVITATION

Notice is hereby given that the **City of Fairhope ("CITY")** will receive bids on the project described herein. Qualified **BIDDERS** are invited to bid on this CONTRACT.

1.01 BID NO.: 24-037
NAME: Light Package for Greeno Road

1.02 SUMMARY

The City of Fairhope is requesting responses from qualified suppliers for the acquisition of lighting equipment and materials listed in the lighting package for Greeno Road. City reserves the right to award based on convenience of delivery date.

1.03 BID DEADLINE

Bids will be received until **2:30 P.M. local time, Tuesday, March 26, 2024**, at the City Services and Public Utilities Building, 555 South Section St., Fairhope, Alabama, and publicly opened shortly thereafter.

1.04 AVAILABILITY OF DOCUMENTS

Bid Documents may be obtained on the City's website at www.FairhopeAL.gov/departments/purchasing/bids or at the City Services and Public Utilities Building, 555 South Section Street, Fairhope, Alabama. One set of Bid Documents can be obtained free of charge.

1.05 INQUIRIES

Questions or comments pertaining to this bid must be presented in writing, sent as e-mail to the attention of the Purchasing Manager, Erin Wolfe, 555 South Section St., Fairhope, AL 36532, e-mail: Purchasing@FairhopeAL.gov, by Tuesday, March 19, 2024, at 11:00 A.M. or will be forever waived.

1.06 SITE EXAMINATION

No Pre-Bid Meeting is scheduled.

The City of Fairhope will not furnish any labor, material, or supplies unless specifically stated in the CONTRACT Documents. **BIDDERS** must be properly licensed to perform the work as outlined in the Scope of Work. Awarded Vendor must have a current business license or purchase a business license with the City of Fairhope prior to bid being awarded.

Except for CONTRACTS funded in whole or in part by funds received from a federal agency, preference shall be given to resident **BIDDERS** on the same basis as the nonresident **BIDDERS** state awards CONTRACT to Alabama **BIDDERS** bidding under similar circumstances. Therefore, non-resident **BIDDERS** shall submit with their bid a written opinion of an attorney at law licensed to practice law in the non-resident **BIDDERS** state of domicile as to preferences granted by that state to entities doing business in that state when letting public contracts.

1.07 BID SECURITY

Bids shall be accompanied by a Bid Security equal to 5% (percent) of the bid price, but in no event more than \$10,000.00. Bid Security shall be in the form of a Bid Bond or a cashier's check payable to The City of Fairhope. No Bid Security is required on bids less than \$10,000.00.

1.08 PERFORMANCE ASSURANCE AND INSURANCE

Performance Bond and Labor & Material Bond are not applicable.

The accepted **BIDDER** shall also provide insurance as required in ITEM V.

1.09 DURATION OF OFFER

Bids may be withdrawn in written or telegraphic request received from **BIDDER** prior to the time fixed for opening. No bid shall be withdrawn for a period of thirty (30) days subsequent to the opening of bids without the consent of the City Council of the City of Fairhope.

1.10 EQUAL OPPORTUNITY

The City of Fairhope is an Equal Opportunity Employer and requires that all **BIDDERS** comply with the Equal Employment Opportunity laws and the provisions of the CONTRACT Documents in this regard. The City of Fairhope also encourages and supports the utilization of Minority Business Enterprises on this and all public bids.

1.11 BID SUBMISSION AND PREPARATION

Sealed Bids, signed, executed, and dated, will be received by the City of Fairhope as noted in section 1.03 above. Submit one copy of the executed offer on the Bid Form provided, signed, and with the required Bid Security. **The bid shall be enclosed in a sealed opaque envelope approximately 9x12 inches or larger, clearly identified on the outside as a SEALED BID with the BID NAME, BID NUMBER, CITY'S NAME AND ADDRESS, CONTRACTOR'S NAME AND ADDRESS.**

Forms furnished, or copies thereof, shall be used, and strict compliance with the requirements of the invitation, these instructions, and the instructions printed on the forms is necessary. Special care should be exercised in the preparation of bids. **BIDDERS** must make their own estimates of the facilities and difficulties attending the performance of the proposed CONTRACT, including local conditions, uncertainty of weather, and all other contingencies. All designations and prices shall be fully and clearly set forth. The proper space in the bid and guaranty forms shall be suitably filled in.

Fill in all blanks on the bid form with non-erasable ink or type. Erasers or other changes must be explained or noted over the signature of the **BIDDER**.

The Bid Form may have a Contingency Allowance listed. Add this amount to the Base Bid to derive the Total Bid. The Contingency Allowance covers unforeseen conditions and shall not be used by the **BIDDER** without the written authorization of the **CITY**. At the conclusion of the project, the unused portion of the Contingency Allowance shall revert to the **CITY**.

Each bid must give the full business address of the **BIDDER** and must be signed by him with his usual signature. Bids by partnerships must furnish the full names of all partners and must be signed with the partnership name by one of the members of the partnership, or by an authorized representative, followed by the signature and designation of the person signing. Bids by corporations must be signed with the legal name of the corporation followed by the name of the State of Incorporation and by the signature and designation of the president, secretary, or other person authorized to bind it in the matter. The name of each person shall also be typed or printed below the signature. A bid by a person who affixes to this signature the word "president," "secretary," "agent," or other designation without disclosing his principal, may be held to be the bid of the individual signing. When requested by the **CITY** satisfactory evidence of the authority of the officer signing in behalf of the corporation shall be furnished.

Each project will be bid separately unless otherwise expressly requested in the CONTRACT document. Combination bids, that is bids on separate projects lumped together as a single bid or on all or none basis, will not be accepted unless the CONTRACT document expressly requests or permits same.

1.12 BID INELIGIBILITY

Bids that contain irregularities of any kind may be declared unacceptable at the discretion of the **CITY**. The **CITY** may waive any irregularities and may reject any or all bids. Bids received after the deadline will be returned to the **BIDDER** unopened.

1.13 CONTRACT TIME

The **BIDDER** must provide the lead time for the materials listed in this bid. City reserves the right to award based on convenience of delivery date.

1.14 INQUIRIES/ADDENDA

All Addenda are part of the CONTRACT Documents. Include resultant costs in the Bid. Addenda will be issued by E-MAIL and posted on the City's website: www.FairhopeAL.gov. It is the responsibility of the **BIDDER** to verify that all Addenda have been received.

Questions or comments pertaining to this bid must be presented in writing, sent via email Purchasing@FairhopeAL.gov by Tuesday, March 19, 2024, at 11:00 A.M. or will be forever waived.

1.16 BID ACCEPTANCE

Bid with lowest Total Bid amount from a responsive and responsible **BIDDER** may be accepted if within the CONTRACT Budget. In the event that alternates are listed on the Bid Form, the lowest combination of Total Bid and Alternate Bids accepted by the **CITY** shall be the accepted bid. Alternates shall be awarded in the order in which they are listed on the Bid Form.

1.17 BIDDERS INTERESTED IN MORE THAN ONE BID

If more than one bid is offered by any one party, by or in a name of his clerk, partner, corporation in which he has a substantial interest, or in which he is an officer, or other person, all such bids may be rejected. A party who has quoted prices on materials to a **BIDDER** is not thereby disqualified from quoting prices to other **BIDDERS** or from submitting a bid directly for the materials or work. The **CITY** reserves the right to determine in its discretion whether the provisions of this clause have been violated by any **BIDDER**.

1.18 ERRORS IN BIDS

BIDDERS or their authorized agents are expected to examine the maps, drawings, specifications and all other instructions pertaining to the work, which will be open to their inspection. Failure to do so will be at the **BIDDER'S** own risk. In case of error, in the extension of prices, the unit price will govern.

1.19 CONTRACT AND BOND

The **BIDDER** to whom award is made must, when requested, enter into written CONTRACT on the standard form as set out herein, with satisfactory security in the amount required, within the period specified, or, if no period be specified, within 15 days after the required forms are presented to him for signature.

1.21 COLLUSION

If there is any reason for believing that collusion exists among the **BIDDERS** any or all bids may be rejected, and those participating in such collusion may be barred from submitting bids on the same or other work with the **CITY**.

1.22 SUBLETTING OR ASSIGNING OF CONTRACT

Limitations: The CONTRACTOR shall not sublet, assign, transfer, convey, sell, or otherwise dispose of any portion of the CONTRACT, his right, title or interest therein, or his power to execute such CONTRACT, to any person, firm or corporation without written consent of the **CITY**, and such written consent shall not be construed to relieve the **BIDDER** of any responsibility for the fulfillment of the CONTRACT. Unless otherwise stipulated in the proposal or special provisions, the **BIDDER** shall perform with his own organization, and with the assistance of workmen under his immediate superintendence and reported on his payroll, all CONTRACT work of a value not less than 50 percent of the total CONTRACT amount, except that any items designated in the CONTRACT as "Specialty Items" so performed by SUB-CONTRACT may be deducted from the total CONTRACT amount before computing the amount of work required to be performed by the **BIDDER** with his own organization.

SUB-CONTRACTOR'S Status:

A **SUB-CONTRACTOR** shall be recognized only in the capacity of an employee or agent of the **CONTRACTOR** and the **CONTRACTOR** will be responsible to the **CITY** for all of the **SUB-CONTRACTOR's** work, including failures or omissions; and his removal may be required by the Project Manager, as in the case of an employee.

1.23 **PROSECUTION OF WORK**

The **BIDDER** shall prosecute the work continuously and diligently in the order and manner set out in his schedule as approved by the **CITY**. He shall provide sufficient satisfactory materials, labor, and equipment to ensure that the work will be completed in a satisfactory manner within the time specified in the **CONTRACT**.

Should the **BIDDERS** fail to maintain a satisfactory rate of progress, the **CITY** may require that additional forces and/or equipment be placed on the work to bring the project up to schedule and maintain it at that level.

Should the **BIDDER** fail to furnish sufficient satisfactory equipment and/or labor for maintaining the quality and progress of the work at satisfactory level, the **CITY** may withhold all estimates that may become due until satisfactory quality and progress are maintained; or the **CONTRACT** may be annulled.

**ITEM II
SCOPE OF WORK**

**Bid No. 24-037
Light Package for Greeno Road**

The City of Fairhope is requesting responses from qualified suppliers for the acquisition of lighting equipment and materials listed in the lighting package for Greeno Road. City reserves the right to award based on convenience of delivery date.

These specifications shall be construed as minimum. All integral parts not specifically mentioned in the scope of these specifications that are necessary to provide a complete working product shall be furnished.

This bid is for materials only and will not include any labor or installation. Poles shall be delivered to 7471 Twin Beech Road, Fairhope, AL 36532. All other materials shall be delivered to 555 South Section Street, Fairhope, AL 36532.

Bidder shall give a unit price as indicated on the Bid Response Form. The price shall include all applicable charges, to include but not limited to delivery, etc.

The use of specific names and numbers in the specifications is not intended to restrict the bidder or any seller or manufacturer but is solely for the purpose of indicating the type, size and quality of equipment considered best adapted to City of Fairhope. If a Bidder opts to propose an equivalent brand, product, material or source outside these specifications, then a submittal will be required. The proposed equivalent material must be ALDOT approved. The City reserves the right to evaluate and refuse a proposed equivalent material.

Materials Needed:

1. **Poles:** **Hapco No. 109940-p41**
 33' MH Aluminum Lighting Pole
 Color: Fairhope Green
 Quantity: **70**

2. **Skirts:** **Hapco No. 87971-005-p41 Transpo Industries Pole-Safe® Skirt**
 Color: Fairhope Green
 Quantity: **70**

3. **Break Away Coupling Assembly:** **Hapco No. A85935 – Set of 4**
 Color: Fairhope Green
 Quantity: **30**

4. **Lights:** **Streetworks GAN Galleon – GAN SA4C 740 8 5WQ GN**
 Quantity: **140**

**ITEM III
BID RESPONSE FORM**

Date: ____ / ____ / _____

Bid No: 24-037 Light Package for Greeno Road

Bids Due: Tuesday, March 26, 2024, 2:30 P.M.

| | | Cost per Each | Total Cost |
|---|--|---------------|------------|
| 1 | Hapco No. 109940-p41 – Aluminum Lighting Pole. Quantity: 70 | \$ | \$ |
| 2 | Hapco No. 87971-005-p41 Transpo Industries Pole-Safe® Skirt. Quantity: 70 | \$ | \$ |
| 3 | Hapco No. A85935 Break Away Coupling Assembly. Set of 4. Quantity: 30 sets | \$ | \$ |
| 4 | Streetworks GAN Galleon – GAN SA4C 740 8 5WQ GN Lights. Quantity: 140 | \$ | \$ |
| | Total Sum Cost | \$ | |
| | Lead Time for Delivery | | |

Bid will include all labor, materials, equipment, shipping and postage, overhead, profit, bonds, insurance and all other costs necessary to provide the complete services outlined within this CONTRACT and scope of work.

Receipt of the following Addenda to these documents is hereby acknowledged by the undersigned (CONTRACTOR to complete below):

| | | | |
|--------------|-------------|--------------|-------------|
| ADDENDUM NO. | DATE ISSUED | ADDENDUM NO. | DATE ISSUED |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

Each bid must give the full business address of the CONTRACTOR and must be signed by him with his usual signature. Bids by partnerships must furnish the full names of all partners and must be signed with the partnership name by one of the members of the partnership, or by an authorized representative, followed by the signature and designation of the person signing. Bids by corporations must be signed with the legal name of the corporation followed by the name of the State of Incorporation and by the signature and designation of the president, secretary, or other person authorized to bind it in the matter. The name of each person shall also be typed or printed below the signature. A bid by a person who affixes to this signature the word “president,” “secretary,” “agent,” or other designation without disclosing his principal, may be held to be the bid of the individual signing. When requested by the City of Fairhope, Baldwin County, Alabama, satisfactory evidence of the authority of the officer signing in behalf of the corporation shall be furnished.

The undersigned agrees to furnish the goods/services as requested by you for the City of Fairhope, Baldwin County, Alabama in your invitation to bid, and certifies that they will meet or exceed the specifications called for. The undersigned has read all information pertaining to this bid and has resolved all questions. It is also understood and agreed that all prices quoted are F.O.B. described in the bid documents and specifications. The undersigned also affirms he/she has not been in any CONTRACT or collusion among BIDDERS or prospective BIDDERS in restraint of freedom of competition, by CONTRACT to bid at a fixed price or to refrain from bidding or otherwise.

Witness our hands and seals this _____ day of _____, 2024.

If Individual or Partnership

(Name of Individual or Partnership)

(Name of Partner Print)

(Name of Representative Authorized to sign Bids and CONTRACTs for the firm Print)

(Name of Partner Print)

Address _____

Phone Number () _____ Fax Number () _____

E-mail address _____ Alabama Contractor's License No. _____

Foreign Entity ID (if outside of Alabama) _____

If Corporation or LLC

Company _____

State of Incorporation _____

Company Representative _____
(Representative Authorized to sign Bids and CONTRACTs for the firm Print)

Company Representative _____
(Representative Authorized to sign Bids and CONTRACTs for the firm Signature)

Address _____

Phone Number () _____ Fax Number(____) _____

E-mail address _____ AL Contractor's License No. _____

Foreign Vendor Id _____

BID PROPOSAL NOTARIZATION:

STATE OF _____ }

COUNTY OF _____ }

I, the undersigned authority in and for said State and County, hereby certify that _____,
as _____ respectively, of _____, whose name is signed to
the foregoing document and who is known to me, acknowledged before me on this day, that, being informed of the contents
of the document they executed the same voluntarily on the day the same bears date.

Given under my hand and Notary Seal on this _____ day of _____, 2024.

NOTARY PUBLIC _____

MY COMMISSION EXPIRES ____/____/____

**ITEM IV
CONTRACTOR INFORMATION**

This Section must be printed, completed, and turned in with your bid response to

**Bid No. 24-037
Light Package for Greeno Road**

Business Organization

Name of CONTRACTOR (exactly as it appears on W-9):

Doing-Business-As Name of CONTRACTOR:

Principal Office Address:

LOCAL Telephone Number: _____ Toll- Free _____

LOCAL Fax Number: _____

Email address: _____

Website: _____

Form of Business Entity [check one ("X")]

Corporation _____

Partnership _____

Individual _____

Joint Venture _____

Other (describe): _____

Corporation Statement

If a corporation, answer the following:

Date of incorporation: _____

Location of incorporation: _____

The corporation is held: Publicly _____

Privately _____

Partnership Statement

If a partnership, answer the following:

Date of organization: _____

Location of organization: _____

The partnership is: General _____

Limited _____

Joint Venture Statement

If a Joint Venture, answer the following:

Date of organization: _____

Location of organization: _____

JV CONTRACT recorded? Yes _____ No _____

Contact: _____ Email _____

Phone _____ Fax _____

END OF CONTRACTOR INFORMATION SECTION

**ITEM V
INSURANCE**

3.0 INSURANCE REQUIREMENTS

Awarded **CONTRACTOR**, at its sole expense, shall obtain and maintain in full force the following insurance to protect the **CONTRACTOR** and the City of Fairhope at limits and coverages specified herein. The City of Fairhope will be listed as an additional insured under the **CONTRACTOR'S** general liability insurance and automobile liability insurance policies, and all other applicable policies and certificates of insurance. These limits and coverages specified are the minimum to be maintained and are not intended to represent the correct insurance needed to fully and adequately protect the awarded **CONTRACTOR**.

3.01 All insurance will be provided by insurers by admitted carriers in the State of Alabama, shall have a minimum A.M. Best rating of A-VII and must be acceptable to the City. Self-insured plans and/or group funds not having an A.M. Best rating must be submitted to the City for prior approval.

3.02 **NO WORK IS TO BE PERFORMED UNTIL PROOF OF COMPLIANCE WITH THE INSURANCE REQUIREMENTS HAS BEEN RECEIVED BY THE CITY.**

3.03 **Worker’s Compensation and Employers Liability**

Part One: Statutory Benefits as required by the State of Alabama
 Part Two: Employers Liability \$100,000 Each Accident
 \$100,000 Each Employee
 \$500,000 Policy Limit

3.04 **U.S. Longshoreman & Harbor workers Act (USL&H)**

Required if CONTRACT involves work near a navigable Waterway that may be subject to the USL&H law.

3.05 **Maritime Endorsement (Jones Act)**

Endorsement required if CONTRACT involves the use of a Vessel. Or include coverage for “Master or Members or Crew” under “Protection and Indemnity” coverage (P&I), unless crew is covered under Workers Compensation.

| | |
|---------------------------|---------------------------|
| Bodily injury by accident | \$1,000,000 Each Accident |
| Bodily injury by disease | \$1,000,000 Aggregate |

3.06 **Commercial General Liability**

Coverage on an Occurrence form with a combined single limit of (Bodily Injury and Property Damage combined as follows:

| | |
|--|-------------|
| Each Occurrence | \$1,000,000 |
| Personal and Advertising Injury | \$1,000,000 |
| Products/Completed Operation Aggregate | \$2,000,000 |
| General Aggregate | \$2,000,000 |

Coverage to include:
 Premises and operations
 Personal Injury and Advertising Injury
 Products/Completed Operations
 Independent BIDDERS
 Blanket Contractual Liability
 Explosion, Collapse and Underground hazards
 Broad Form Property Damage
 Railroad Protective Liability Insurance if work involves construction, demolition or maintenance operations on or within 50 feet of a railroad.

3.07 **Automobile Liability**

Covering all Owned, Non-Owned, and Hired vehicles with a limit of no less than \$1,000,000 combined single limit of Bodily Injury and property damage per occurrence.

3.08 **Certificate of Insurance**

A Certificate of Insurance evidencing the above minimum requirements must be provided to and accepted by the City PRIOR to commencement of any work on the CONTRACT. Each policy shall be endorsed to provide ten (10) days written notice of cancellation to the CITY

Such insurance as is afforded by the above policies covers the operations undertaken by the insured with respect to the construction of the project above designated. The insurance afforded by the above designated policies, specimen copies of which have been filed with the **CITY**, and to each of which is attached for following endorsement.

The insurer agrees with the insured as follows:

1. That it will furnish to said City of Fairhope a certificate of insurance in triplicate on a form approved for such purpose by said **CITY**, setting forth the pertinent information regarding the policy to which this endorsement is attached, for each project of said **CITY** to which the policy applies.
2. That it will attach to each said certificate of insurance executed copies of any endorsement other than this endorsement which are attached to said policy at the time said policy is issued, provided only that said endorsements affect the coverage of said policy in respect of operations involved in the construction of the projects of said **CITY** to which the policy applies.
3. That it will mail to the City Council of the City of Fairhope three executed copies of each endorsement subsequently issued to become a part of said policy provided only that endorsement affects the coverages of said policy in respect of operations involved in the construction of the project of said **CITY** which the policy applies, and provided further that such endorsement shall not be effective unless such notice is given to the **CITY** at the same time that notice thereof is given to the insured.
4. That it will mail to the City Council of the **CITY** of Fairhope at least ten days before the effective date thereof notice of cancellation of said policy, provided no cancellation shall be effective unless such notice is given to the **CITY**.

END OF INSURANCE REQUIREMENTS

ITEM VI



City of Fairhope
CONTRACT

This **CONTRACT** is made this _____ day of _____, 202___, by and between the City of Fairhope (hereinafter referred to as the "**OWNER**") and _____ (hereinafter referred to as the "**CONTRACTOR**"), for

Bid Number/Name

The **OWNER** and the **CONTRACTOR** agree as set forth below:

1. The **CONTRACT** consists of all the items contained within this **CONTRACT**, The Proposal Package, Proposal, Scope of Work and Specifications, drawings (if applicable), Addenda, Amendments, and City of Fairhope Standard Terms and Conditions, which are attached hereto and made a part hereof, as if fully contained herein; for the performance of all work and the furnishing of all labor and materials required for completion of the **WORK**.
2. The **CONTRACTOR** shall perform all the **WORK** described herein.
3. The **WORK** to be performed under this **CONTRACT** shall be commenced upon execution of this **CONTRACT** within number (DAYS) days of the date specified in the *Notice to Proceed* (NTP) to be issued to the **CONTRACTOR** by the **OWNER**, or its authorized representative. The work shall be completed, subject to authorized adjustments, within (DAYS) consecutive calendar days from and after the commencement date stipulated in said *Notice to Proceed*. Liquidated damages for non-completion of the work within this time limit will be assessed at the rate of (DOLLARS) per working day.
4. The **OWNER** shall pay the **CONTRACTOR** in current funds for the performance of the **WORK**, the **CONTRACT SUM** of _____ DOLLARS (\$ _____). This represents a **LUMP SUM** payment for performance of the **WORK**, which payment shall be issued after the Contract is fully performed and the **OWNER** has inspected the **WORK**.
5. **General Conditions**
 - a. **Indemnity:** The **CONTRACTOR** hereby agrees to indemnify and save harmless the **OWNER**, its officers, agent, and employees, from and against any and all liabilities, claims, demands, damages, fines, fees, expenses, penalties, suits, proceedings, actions and cost of actions, including reasonable attorneys' fees for trial and on appeal, of any kind and nature, arising or growing out of, or in any way connected with the performance of this **CONTRACT**, to the extent caused by a negligent act or omission of the **CONTRACTOR**, their agents, servants, employees, **SUB-CONTRACTORS**, or others associated with the **CONTRACTOR**. The **CONTRACTOR** shall be responsible for damage to any elevator equipment excluded from this agreement, or damage or injury caused by any equipment excluded from this agreement, to the extent that the damage or injury is caused by a negligent act or omission of the **CONTRACTOR**.
 - b. **Notification and Accident Reports:** In the event of accidents of any kind, the **CONTRACTOR** shall notify the **OWNER** immediately and furnish, without delay, copies of all such accident reports to the **OWNER**. If in the performance of their Work, the **CONTRACTOR** fails to immediately report an accident to the **OWNER**, of which the **CONTRACTOR** has knowledge of and which results in a fine

levied against the **OWNER** then the **CONTRACTOR** shall be responsible for all fines levied against the **OWNER**.

6. Termination of Agreement

- a. Termination for Default: Performance of Work under this Agreement may be terminated by the **OWNER**, in whole or in part, in writing, whenever the **OWNER** determines that the **CONTRACTOR** has failed to meet the requirements of this Agreement.
 - i. The Owner has a right to terminate for default if the contractor fails to make delivery of material or does not perform the work, or if the Contractor fails to perform the Work within the time specified in the Agreement, or if the Contractor fails to perform any other provision of the Agreement.
 - ii. Failure on the part of the Contractor to deliver or perform the Work within the time specified, or within a reasonable time as determined by the Owner, or failure on the part of the Contractor to make replacements of rejected articles, or Work when so requested, immediately or as directed by the Owner, shall constitute authority for the Owner to purchase in the open market, articles or Work of comparable grade to replace the articles or Work rejected, not delivered or completed. On all such purchases, the Contractor shall reimburse the Owner within a reasonable time specified by the Owner for any expense incurred in excess of Agreement prices.
 - iii. Such purchases shall be deducted from the Agreement sum. If public necessity demands it, the Owner reserves the right to utilize services or use and/or consume articles delivered, which are standard in quality, subject to an adjustment of price to be determined by the Owner.
- b. Termination for Convenience: The **OWNER** has the absolute right to terminate the Agreement upon "Award of Contract" another **CONTRACTOR**, to perform work referenced herein. In such event, payment of the monthly contract fee shall cease on the date of cancellation of the **CONTRACT** by the **OWNER**.

7. Warranty

- a. The **CONTRACTOR** warrants that the Work including equipment and materials provided shall conform to the professional standards of care and practice in effect at the time the Work is performed, be of the highest quality, and be free from all faults, defects, or errors. If the **CONTRACTOR** is notified in writing of a fault, deficiency or error in the Work, the **CONTRACTOR** shall at the **OWNER**'s option, either re-perform such portions of the Work to correct such fault, defect, or error, at no additional cost to the **OWNER**, or refund to the **OWNER** the charge paid by the **OWNER**, which is attributable to such portions of the faulty, defective or erroneous Work, including costs for re-performance or Work provided by other **CONTRACTORS**. All equipment and materials provided by the **CONTRACTOR** shall be merchantable and for the purpose intended and meet all industry quality standards.

8. Time of Completion

The **OWNER** and **CONTRACTOR** understand and agree that time is of the essence in the performance of this Agreement. The **CONTRACTOR** or **OWNER**, respectively, shall not be liable for any loss or damage, resulting from any delay or failure to perform its contractual obligations within the time specified, due to acts of God, actions or regulations by any governmental entity or representative, strikes, fire, water damage, loss of power, loss of funding or any other causes, contingencies, or circumstances not subject to the **OWNER** or **CONTRACTOR**'S control, respectively, whether of a similar or dissimilar nature, which prevent or hinder the performance of the **OWNER**'S or **CONTRACTOR**'S contractual obligations, respectively. Any such causes of delay, even though existing on the date of the **CONTRACT**, or on the day

of the start of Work, shall extend the time of the OWNER'S or CONTRACTOR'S performance respectively, by the length of the delays occasioned thereby, including delays reasonably incident to the resumption of normal Work schedules.

However, under such circumstances as described herein, the OWNER may, at their discretion, cancel this CONTRACT for their own convenience.

9. Insurance Requirements

See **ATTACHMENT B**

10. Acceptance of Work

The OWNER will be deemed to have accepted the Work after the OWNER agrees the Work is completed. In the event Work furnished under the CONTRACT is found to be defective or does not conform to the intent of the CONTRACT, the CONTRACTOR shall, within ten (10) days from receipt of notice from the OWNER, correct the deficiencies. Failure on the part of the CONTRACTOR to properly correct the deficiencies within the time period allowed will constitute the OWNER'S right to cancel the CONTRACT immediately, upon written notice to the CONTRACTOR.

11. Correction of Work

The CONTRACTOR shall promptly correct all Work rejected by the OWNER as faulty, defective or failing to conform to the CONTRACT, whether observed before or after completion of the Work. The CONTRACTOR shall bear all costs of correcting such rejected Work.

12. Right to Audit

The CONTRACTOR shall maintain documentation of all work performed. The CONTRACTOR shall make any and all documentation available to the OWNER at all reasonable times, for inspections and audit by the OWNER, during the entire term of the CONTRACT, and for a period of three (3) years after the expiration of this CONTRACT.

13. CONTRACT Rights and Remedies

The CONTRACTOR shall maintain documentation of all work performed. The CONTRACTOR shall make any and all documentation available to the OWNER at all reasonable times, for inspections and audit by the OWNER, during the entire term of the CONTRACT, and for a period of three (3) years after the expiration of this CONTRACT.

14. Time is of the Essence

The Owner and CONTRACTOR agree that time is of the essence in the performance of Work called for under this CONTRACT. The CONTRACTOR agrees that all work will be accomplished regularly, diligently and uninterrupted at such a rate of progress as will ensure full completion thereof within reasonable time periods.

15. Safety Measures

The CONTRACTOR shall take all necessary precautions for the safety of the OWNER'S and CONTRACTOR'S employees at the Work site, and shall erect and properly maintain at all times, all necessary safeguards for the protection of the workmen and the public. The CONTRACTOR shall post signs warning against hazards in and around the Work site.

16. Extra Work and Associated Costs

- a. Changes in the Work: The OWNER, without invalidating the CONTRACT, may order changes in the Work within the general scope of this CONTRACT, consisting of additions, deletions, or other revision, the CONTRACT price and time for execution of the Work being adjusted accordingly.
- b. All such changes in the Work shall be authorized by a written Amendment to the CONTRACT or a separate Change Order and shall be executed under the applicable conditions of the CONTRACT.

17. Familiarity with the Work

The CONTRACTOR, by executing this CONTRACT, acknowledges full understanding of the extent and character of the Work required and the conditions surrounding the performance thereof. The OWNER will not be responsible for any alleged misunderstanding of conditions surrounding the performance thereof. It is understood that execution of the CONTRACT by the CONTRACTOR serves as his stated commitment to fulfill all requirements and conditions referred to in this CONTRACT.

18. Scope of Work

See **ATTACHMENT B**

19. Contractor Liability

Nothing in this CONTRACT shall be construed to mean that the CONTRACTOR assumes any liability for damages or otherwise, on account of accidents to persons or property, except those resulting from negligence on the part of the CONTRACTOR or its agents, servants, employees, and subcontractors.

20. Miscellaneous Provisions

- a. The CONTRACTOR shall not employ SUB-CONTRACTORS without the express written permission of the OWNER.
- b. The CONTRACTOR shall not assign the CONTRACT or sublet it as a whole without the express written permission of the OWNER. The OWNER may assign the CONTRACT, or sublet it as a whole, without the consent of the CONTRACTOR.
- c. No waiver, alteration, consent, or modification of any of the provisions of the CONTRACT shall be binding unless in writing and signed by the OWNER and CONTRACTOR.
- d. The CONTRACTOR is to procure all permits, licenses, and certificates, or any approvals of plans or specifications as may be required by Federal, State, Local Laws, ordinances, rules, and regulations, for the proper execution and completion of Work covered under this CONTRACT.
- e. The CONTRACTOR shall at all times keep the Work area free from accumulation of waste materials or rubbish caused by his operations, and promptly remove any such materials to an area designated by the OWNER or remove to a waste site as directed by the OWNER. If the CONTRACTOR fails to clean up the Work site, the OWNER will complete the task and charge the CONTRACTOR for such services.
- f. This CONTRACT is considered a non-exclusive Agreement between the parties.
- g. This CONTRACT is deemed to be under and shall be governed by and construed according to the laws of the State of Alabama.
- h. Any litigation arising out of the CONTRACT shall be heard in the Courts of Baldwin County, Alabama.

- i. This CONTRACT contains all terms and conditions agreed upon by the OWNER and CONTRACTOR. No other agreement, oral or otherwise, regarding the subject matter of this CONTRACT shall be deemed to exist or to bind either party hereto.
- j. This CONTRACT shall not be construed against the party or parties preparing it. It shall be construed as if all the parties and each of them jointly prepared this CONTRACT, and any uncertainty or ambiguity shall not be interpreted against one or more parties.

Section 41-16-5, Code of Alabama 1975, requires that public contracts over \$15,000 include the following language:

**By signing this Contract, _____ represents and agrees

 COMPANY NAME
 that it is not currently engaged in, nor will it engage in, any boycott of a person or entity based in or doing
 business with a jurisdiction with which the State of Alabama can enjoy open trade**

IN WITNESS WHEREFORE, the parties hereto have executed this **CONTRACT** as of the day and year first above written.

THE CITY OF FAIRHOPE, ALABAMA

Sherry Sullivan, Mayor

ATTEST: _____
Lisa A. Hanks, MMC, City Clerk

NOTARY FOR OWNER (CITY OF FAIRHOPE)

STATE OF ALABAMA _____ }
 COUNTY OF BALDWIN _____ }

I, the undersigned authority in and for said State and County, hereby certify that SHERRY SULLIVAN, Mayor of the City of Fairhope whose name is signed to the foregoing document and who is known to me, acknowledged before me on this day, that, being informed of the contents of the document she executed the same voluntarily on the date the same bears date.

Given under my hand and Notary Seal on this _____ day of _____, 202__.

NOTARY PUBLIC _____

MY COMMISSION EXPIRES _____

IF INDIVIDUAL OR PARTNERSHIP

Individual or Partnership

Print Name of Partner

Print Name of Representative Authorized to Sign
Contracts for the firm

Print Name of Partner

Signature of Representative Authorized to Sign
Contracts for the firm

Print Name of Partner

Address

Address

City, State, Zip Code

Phone Number

Fax Number

Primary E-mail Address

AL General Contractor License No. (Attach Copy)

AL General Contractor License Major Categories

AL General Contractor Specialties

AL Foreign Corporation Entity ID (Required of Out of State Vendors)

IF CORPORATION OR LLC

Company

State of Incorporation

Company Representative

Print Name of Representative Authorized to Sign
Contracts for the firm

Signature of Representative Authorized to Sign
Contracts for the firm

Address

Address

City, State, Zip Code

Phone Number

Fax Number

Primary E-mail Address

AL General Contractor License No. (Attach Copy)

AL General Contractor License Major Categories

AL General Contractor Specialties

AL Foreign Corporation Entity ID (Required of Out of State Vendors)

NOTARY FOR INDIVIDUAL, PARTNERSHIP, CORPORATION, OR LLC

STATE OF _____ }
COUNTY OF _____ }

I, the undersigned authority in and for said State and County, hereby certify that _____ As
Name

_____ respectively of _____
Title Company Name

Whose name is signed in the foregoing document and who is known to me, acknowledged before me on this day, being informed of the contents of the document they executed the same voluntarily on the day the same bears date.

Given under my hand and Notary Seal on this _____ day of _____, 202__.

NOTARY PUBLIC _____

MY COMMISSION EXPIRES _____



ITEM VII

CITY OF FAIRHOPE

STANDARD TERMS AND CONDITIONS

1. ACCEPTANCE OF AGREEMENT

This Agreement contains all terms and conditions agreed upon by the Owner and Winning bidder. No other agreement, oral or otherwise, regarding the subject matter of this Agreement shall be deemed to exist or to bind either party hereto. The Winning Bidder shall not employ Subcontractors without the express written permission of the Owner. No waiver, alteration, consent or modification of any of the provisions of the Agreement shall be binding unless in writing and signed by the Owner and Contractor. This Agreement shall not be construed against the party or parties preparing it. It shall be construed as if all the parties and each of them jointly prepared this Agreement, and any uncertainty or ambiguity shall not be interpreted against one or more parties.

2. ACCEPTANCE OF WORK

The City of Fairhope will be deemed to have accepted the Work after the City of Fairhope agrees the Work is completed by signature on delivery or service tickets. In the event Work furnished under the Contract / Agreement / Purchase Order is found to be defective or does not conform to the intent of the Contract / Agreement / Purchase Order, the awarded vendor shall, after receipt of notice from the City of Fairhope, correct the deficiencies. Failure on the part of the awarded vendor to properly correct the deficiencies within the time period allowed will constitute the City of Fairhope's right to cancel the Contract / Agreement / Purchase Order immediately, upon written notice to the awarded vendor.

3. ADDENDA

All Addenda are part of the Contract Documents. Include resultant costs in the Bid. Addenda will be issued by email to all Bidders on record and posted to the City of Fairhope website www.FairhopeAL.gov. It is the responsibility of the bidder to verify that all addenda have been received, and to include all signed addenda in the bid submission

4. ADDITIONAL ORDERS

Unless it is specifically stated to the contrary in the bid response, the City of Fairhope reserves the option to place additional orders against a contract awarded as a result of this solicitation at the same terms and conditions; to extend the renewal date until a new bid is in place, if it is mutually agreeable.

5. APPLICABLE LAW

This Agreement is deemed to be under and shall be governed by and construed according to the laws of the State of Alabama. Any litigation arising out of the Agreement shall be heard in the Courts of Baldwin County, Alabama.

6. ASSIGNMENT

The awarded vendor shall not assign the Contract / Agreement / Purchase Order or sublet it as a whole without the express written permission of the City of Fairhope. The awarded vendor shall not assign any payment due them hereunder, without the express written permission of City of Fairhope. The City of Fairhope may assign the Contract / Agreement / Purchase Order, or sublet it as a whole, without the consent of the awarded vendor.

7. ASSURANCE OF NON-CONVICTION OF BRIBERY

The bidder hereby declares and affirms that, to its best knowledge, none of its officers, directors, or partners and none of its employees directly involved in obtaining contracts has been convicted of bribery, attempted bribery, or conspiracy to bribe under the laws of any state or Federal government.

8. AWARD CONSIDERATION

The following factors will be considered in determining the lowest **responsible** bidder: Overall quality, Conformity with specifications both general and specific, Purposes for which materials or services are required, Delivery dates and time required for delivery, Unit acquisition cost, financial ability to meet the contract, previous performance, facilities and equipment, availability of repair parts, experience, delivery promise, terms of payments, compatibility as required, other costs, and other objective and accountable factors which are reasonable.

9. AWARD OR REJECTION OF BIDS

The Bid will be awarded to the lowest responsible bidder complying with conditions of the invitation for bids, provided his bid is reasonable and it is in the interest of the City of Fairhope to accept it. The bidder to whom the award is made will be notified at the earliest possible date. The City of Fairhope, however, reserves the right to reject any and all bids and to waive any informality in bids received whenever such rejection or waiver is in the interest to the City of Fairhope.

10. BACK ORDERS

If it is necessary to back order any items, the vendor must notify the Purchasing Department and advise as to the expected shipping or delivery date. If this date is not acceptable, the City of Fairhope may seek remedies for default.

11. BID AND PERFORMANCE SECURITY

If bid security is required, a bid bond or cashier's check in the amount indicated on the bid cover must accompany the bid and be made payable to The City of Fairhope of Baldwin County, AL. Corporate or certified checks are not acceptable. Bonds must be in a form satisfactory to the City and underwritten by a company licensed to issue bonds in the State of Alabama. If bid security fails to accompany the bid, it shall be deemed unresponsive, unless the Purchasing Manager deems the failure to be non-substantial. All checks will be returned to the bidders after the contract has been approved. If a performance bond is required, the successful bidder will be notified after the awarding of the contract.

12. BRAND NAMES

Reference to brand names and numbers is descriptive, but not restrictive, unless otherwise specified. Bids on equivalent items meeting the standards of quality thereby indicated will be considered, providing the bid clearly describes the article offered and indicates how it differs from the referenced brands. Descriptive literature or manufacturers specifications plus any supplemental information necessary for comparison purposes should be submitted with the bid or the bid on that item may be rejected. Reference to literature submitted with a previous bid or on file with the Division of Purchasing will not satisfy this requirement. The burden is on the bidder to demonstrate that the item bid is equivalent to the item specified in the ITB. Bids without sufficient documentation to fully support equality, may be considered non-responsive. Reference by the City of Fairhope in the ITB to available existing specifications shall be sufficient to make the terms of such specifications binding on the bidder. Unless the bidder specifies otherwise in its bid, it is understood the bidder is offering a referenced brand item as specified in the ITB or is bidding as specified when no brand is referenced. Failure to examine drawings, specifications and instructions will be at the bidder's risk.

13. BUSINESS LICENSE

The vendor selected to enter into a Contract / Agreement with the City of Fairhope must be licensed to do business in the City of Fairhope prior to commencement of any work under the contract. Delivery of goods or services to the City of Fairhope by Purchase Order have detailed and varied Business License requirements. In all instances that require a business license. Awarded vendor will provide proof of possessing a current City of Fairhope Business License. Prospective bidders will not be required to possess a City of Fairhope Business License prior to award.

14. CANCELLATION OF / CONTRACT / AGREEMENT / PURCHASE ORDER / LEASE

A purchase order can be canceled in whole or in part when awarded vendor fails to deliver or perform as specified. Cancellation of a purchase order can only be made by a written purchase order change (POC) from the City of Fairhope. A term contract, lease or agreement can be canceled by the City of Fairhope, for justifiable cause, or convenience, by written notice.

15. CERTIFICATION PURSUANT TO ACT NO. 2006-557

Alabama law (section 41-4-116, code of Alabama 1975) provides that every bid submitted and contract executed shall contain a certification that the vendor, contractor, and all of its affiliates that make sales for delivery into Alabama or leases for use in Alabama are registered, collecting, and remitting Alabama state and local sales, use, and/or lease tax on all taxable sales and leases into Alabama. By submitting this bid, the bidder is hereby certifying that they are in full compliance with act no. 2006-557, they are not barred from bidding or entering into a contract pursuant to 41-4-116, and acknowledges that the awarding authority may declare the contract void if the certification is false. All corporations must register to do business in Alabama with the Office of the Secretary of State. Their address is:

Office of the Secretary of State

P.O. Box 5616

Montgomery, AL 36103

(334) 242-5324

Fax: (334) 240-3138

<http://www.sos.state.al.us/index.aspx>

The Foreign Corporation form is online at <http://www.sos.state.al.us/downloads/dl1.cfm>.

16. COST OF REMEDYING DEFECTS

All defects, indirect and consequential costs of correcting, removing, or replacing any or all of the defective materials or equipment will be charged against the awarded vendor.

17. DELIVERY OF BID

Bids must be received in the Purchasing Office by the date and time specified on the bid cover. All bids will be accepted until the time and date stated on the bid cover. No bids will be accepted that extend past the time and date on the bid cover. The time of receipt shall be determined by the time clock stamp in the Purchasing Department. Bids submitted by U.S. Mail must be received by the City of Fairhope of Baldwin County, Alabama, in the City of Fairhope offices, 555 South Section St., Fairhope, Al., unless otherwise specified.

18. DELIVERY

The number of calendar days required for delivery after receipt of a purchase order shall be stated in the RFQ / ITB / RFP and /or Purchase Orders. When no time is stated in the document, the time shall be fourteen (14) calendar days after receipt of order. If a shipment is not made within the time period specified, the Purchase Order may be canceled.

19. ENVIRONMENTAL REQUIREMENTS

All products will be clearly labeled for their intended use. Each delivery of product or materials will include a Material Safety Data Sheet (MSDS) for all materials that require an MSDS. All manufacturers/distributors of hazardous substances, including any of the items listed on this bid/quote/ contract and subsequent award must include completed material safety data sheet (MSDS) for each hazardous material. Additionally, each container of hazardous materials must be appropriately labeled with:

- a) The identity of the hazardous material,
- b) Appropriate hazard warnings, and manufacturer, importer, or other responsible party.

20. EQUIPMENT DEMONSTRATION

The City of Fairhope may require equipment/ product materials or service techniques to be demonstrated at a time, date, and location to be specified by the City of Fairhope.

21. EQUIPMENT ELECTRICAL CERTIFICATION

All electrical equipment purchased shall conform to, and be identified in, the applicable standard(s), or otherwise be certified as applicable, as of the bid opening date and time, by Underwriters Laboratories, Inc., or other recognized laboratory facility. Bidder must provide satisfactory documentation with returned bid that all such equipment meets the applicable product standard or has otherwise been certified as outlined above. Unless indicated in the bid document, the above certification shall apply to the equipment itself, not the individual components of that equipment.

22. ERRORS IN BID

Bidders are assumed to be informed regarding conditions, requirements, and specifications prior to submitting bids. Failure to do so will be at the bidder's risk. Bids already submitted may be withdrawn without penalty prior to bid opening. Errors discovered after the bid opening may not be corrected.

23. FORCE MAJEURE

Neither the City nor the awarded vendor shall be deemed in breach of any contract / Purchase Order or Agreement which may result from this proposal submission if it is prevented from performing any of the obligations hereunder by reason of Acts of God, acts of the public enemy, acts of superior governmental authority, strikes or labor disputes, floods, riots, rebellion, sabotage, or any similar other unforeseeable causes beyond its control and not due to its fault or negligence. Each party shall notify the other immediately in writing of the cause of such after the beginning period thereof. The awarded vendor may request cancellation and the City of Fairhope may grant the request if performance is prevented by any of the above referenced causes, or other unavoidable circumstances not attributable to the fault or negligence of the vendor. The burden of proof for such relief rests with the vendor. All correspondence pertaining to cancellation of a purchase order or term contract must be addressed to the City of Fairhope Purchasing Manager.

24. HAZARDOUS AND TOXIC SUBSTANCES

Bidder must comply with all applicable Federal, State, County and City laws, ordinances and regulations relating to hazardous and toxic substances, including such laws, ordinances and regulations pertaining to information hazardous and toxic substances, and as amended from time to time. Bidder shall provide the City of Fairhope with a "Material Safety Data Sheet" for all goods that carry one.

25. INDEMNITY

Indemnity: The awarded vendor hereby agrees to indemnify and save harmless the City of Fairhope, its officers, agent, and employees, from and against any and all liabilities, claims, demands, damages, fines, fees, expenses, penalties, suits, proceedings, actions and cost of actions, including reasonable attorney fees for trial and on appeal, of any kind and nature, arising or growing out of, or in any way connected with the performance of this Contract / Agreement / Purchase Order, to the extent caused by a negligent act or omission of the awarded vendor, their agents, servants, employees, Subcontractors, or others associated with the awarded vendor. The awarded vendor shall be responsible for damage to any equipment excluded from this agreement, or damage or injury caused by any equipment excluded from this agreement, only to the extent that the damage or injury is caused by a negligent act or omission of the awarded vendor or caused by failure of the awarded vendor's supplied product to perform as specified.

26. INSPECTION

All materials, workmanship, equipment, and supplies are subject to inspection and test at any source or time. Final inspection, acceptance or rejection will be made at delivery destination. Goods that do not meet specifications will be rejected unless substitutions have been approved by the City of Fairhope. Failure to inspect or to reject upon receipt, however, does not relieve the awarded vendor of liability. When subsequent tests, after receipt, are conducted and when such tests reveal a failure to meet specifications, the City of Fairhope will reject the goods and the awarded vendor shall immediately supply goods meeting specifications or the City of Fairhope may seek damages including but not limited to the testing expense, regardless of whether a part of or all of the goods have been consumed through the testing process. Rejected goods shall be removed by the awarded vendor promptly after rejection, at his expense. If not removed in fourteen (14) calendar days, they may be disposed of at the discretion of the City of Fairhope. Disposal costs will be the awarded vendor's responsibility.

27. INSPECTION OF PREMISES

At reasonable times, the City may inspect those areas of the awarded vendor's place of business that are related to the performance of a Contract / Agreement / Purchase Order. If the City makes such an inspection, the awarded vendor must provide reasonable assistance. The City of Fairhope reserves the right on demand and without notice all the vendor's files associated with a subsequent Contract / Agreement / Purchase Order where payments are based on the awarded vendor's record of time, salaries, materials, or actual expenses. This same clause will apply to any subcontractors assigned to the Contract / Agreement / Purchase Order.

28. INSURANCE

If a Contract / Agreement / Purchase Order results from this RFQ / ITB / RFP, or other form of solicitation, the awarded vendor shall maintain such insurance as will indemnify and hold harmless the City of Fairhope from Workmen's Compensation and Public Liability claims from property damage and personal injury, including death, which may arise from the awarded vendor's operations under this Contract / Agreement / Purchase Order, or by anyone directly or indirectly employed by him/her.

29. INVITATION TO BID

Any provisions made in the RFQ / ITB / RFP, or other form of solicitation, supersedes any provisions outlined here in the General Terms and Conditions.

30. INVOICING, DELIVERY, PACKAGING

Invoices shall be prepared only after ordered materials have been delivered. All invoices must show the purchase order number. Unless otherwise specified in writing, vendors shall not ship any material without an authorized Purchase Order from the City of Fairhope Purchasing Department. All packages delivered must show the purchase order number. The awarded vendor will be required to furnish all materials, equipment and/or service called for at the bid price quoted. In the event the awarded vendor fails to deliver within a reasonable period of time, as determined by the City of Fairhope, the right is reserved to cancel the award and subsequent purchase order and purchase from the next lowest responsible bidder the items needed. The original awarded vendor will be back charged the difference between the original contract price and the price the City of Fairhope has to pay as a result of the failure to perform by the original awarded vendor. All bids will remain firm for acceptance for 60 days from the date of bid opening. Prices shall be net F.O.B., Prepaid and Allow, City of Fairhope chosen site, Baldwin County, AL. The title and risk of loss of the goods will not pass to the City of Fairhope until receipt and acceptance takes place at the F.O.B. point.

31. LABELING

Individual shipping cartons shall be labeled with the name "City of Fairhope", Purchase Order Number, and where applicable, Contract Number, date of manufacture, batch number, storage requirements, conditions, and recommended shelf life. Bidders are encouraged to offer product packaging with recycled content.

32. LOSS OR DAMAGE IN TRANSIT

Delivery by a vendor to a common carrier does not constitute delivery to the City of Fairhope. Any claim for loss or damage incurred during delivery shall be between the vendor and the carrier. The City of Fairhope accepts title only after satisfactory receipt at the delivery point. The City of Fairhope shall note all visible damages on the freight bill and may refuse the damaged goods. The vendor shall make immediate replacement of the damaged merchandise or be subject to damages for breach of contract. If damage is to a small portion of a total shipment and the City of Fairhope will not be inconvenienced because of the shortage, the vendor may be permitted by the Purchasing Manager to deduct the amount of damage or loss from its invoice, in lieu of replacement. Risk of loss during delivery is borne by the vendor until the goods have been accepted by the City of Fairhope, unless otherwise specified in the RFQ / ITB / RFP or other form of solicitation.

33. MANDATORY SITE VISIT

If the RFQ / ITB / RFP or other form of solicitation requires a mandatory site visit, bidders must inspect the site where installation or service is to take place to obtain a full understanding of scope of work outlined therein. Date of site visit will be determined by the City of Fairhope.

34. MONITORING OF SERVICES

Performance of services will be monitored by the requisitioning department and/or the Purchasing Department, and evaluation reports may be filed with the Purchasing Department. Performance not meeting specifications will result in cancellation of Contract / Agreement / Purchase Order and may result in vendor being removed from the vendor list.

35. NONCONFORMING MERCHANDISE

When merchandise received from the lowest responsible bidder is not in accordance with the purchase order, it will be returned to the bidder, at bidder's expense.

36. NON-DISCRIMINATION

The City of Fairhope is an Equal Opportunity Employer and requires that all contractors comply with the Equal Employment Opportunity laws and the provisions of the Contract / Agreement / Purchase Order documents in this regard. The City also encourages and supports the utilization of Minority Business Enterprises on this and all public bids.

37. NON-EXCLUSIVE

Unless otherwise specified, this Contract / Agreement / Purchase Order is considered a non-exclusive Contract / Agreement / Purchase Order between the parties.

38. NOTIFICATION AND ACCIDENT REPORTS

In the event of accidents of any kind, in the performance of a Contract / Agreement / Purchase Order, the awarded vendor shall notify the City of Fairhope immediately and furnish, without delay, copies of all such accident reports to the City of Fairhope. If in the performance of their Work, the awarded vendor fails to immediately report an accident to the City of Fairhope, of which the awarded vendor has knowledge of and which results in a fine levied against the City of Fairhope then the awarded vendor shall be responsible for all fines levied against the City of Fairhope.

39. PACKAGING

All goods must be packaged in new packing containers. Packing that meets the requirements of common carriers is acceptable, unless otherwise required. A packing slip or invoice must accompany all shipments and must reference the purchase order number. Unless otherwise specified, goods are to be packaged in cartons meeting federal specifications and shipped on non-returnable pallets.

40. PATENTS

Awarded Vendor guarantees that the sale and / or use of goods will not infringe upon any U.S. or foreign patent. Awarded vendor will at his / her own expense, indemnify, protect and save harmless the City of Fairhope, on any patent claims arising from the purchase of goods or services.

41. PAYMENT

Invoices -- Upon completion of service and delivery of materials specified in the applicable Contract / Agreement / Purchase Order, awarded vendor will submit an invoice and signed delivery ticket to:

City of Fairhope
Accounts Payable Department
P.O. Box 429
Fairhope, Al. 36533

All invoices must reference appropriate Purchase Order Numbers Payment of Invoice: All invoices received by the City of Fairhope are payable within thirty (30) days from the date of receipt by the City of Fairhope, provided they are approved by the City of Fairhope.

42. PAYMENT WITHHELD

Payment may be withheld until all items have been delivered and all requirements of the Contract / Agreement / Purchase Order have been fulfilled

43. PRODUCT TESTING

Vendor shall incur all cost involved in obtaining an Independent Laboratory Test if the City deems necessary during the term of the Contract / Agreement / Purchase Order. The City of Fairhope reserves the right to request a demonstration of any and all items bid before making the award.

44. PERMITS LICENSES AND CERTIFICATES

The awarded vendor is to procure all permits, licenses, and certificates, or any approvals of plans or specifications as may be required by Federal, State, Local Laws, ordinances, rules, and regulations, for the proper execution and completion of Work covered under the Contract / Agreement / Purchase Order.

45. PREPARATION OF BID

All bids / proposals shall be typewritten or in ink on the form(s) prepared by the City of Fairhope. Bids / proposals prepared in pencil will not be accepted. All bids / proposals must be signed by officials of the corporation or company duly authorized to sign bids / proposals. Any bid / proposal submitted without being signed will automatically be rejected. All corrections or erasures shall be initialed and dated by the person authorized to sign quotations /bids / proposals. If there are discrepancies between unit prices quoted and extensions, the unit price will prevail.

46. QUESTIONS / CONTACT

Commencing with the issuance of the RFQ / ITB / RFP, or other form of solicitation, no vendor or anyone acting on a vendor's behalf, shall make direct or indirect contact with City personnel or undertake any activities or take any action to otherwise promote its quotation / bid / proposal to the City or its personnel. All communications shall be made to the contact identified in the quotation / bid / proposal documents. Violation of this requirement may, at the City's sole and absolute discretion, be grounds for disqualifying a vendor from further consideration.

47. RECEIPT BY CITY OF FAIRHOPE

If not otherwise stated in the order, the City of Fairhope will be said to have received goods when they have been delivered, unloaded, and placed on the agency's dock or if there is no dock, inside an accessible building, and signed for by an authorized City employee. Shipments will be checked against the receiving copy of the Purchase Order. If the purchase order requires grading certificates, USDA Stamps, or any proof of quality, such proof must accompany the shipment.

48. REJECTION OF BIDS

The City of Fairhope reserves the right to accept or reject any or all bids in whole or in part for any reason, to waive technicalities or informalities, or to advertise for new proposals, if, in the judgment of the awarding authority, the best interest of the City of Fairhope will be promoted thereby. Bidders may be disqualified and rejection of proposals may be recommended for any of (but not limited to) the following causes: Failure to use the bid forms furnished by the City of Fairhope, Lack of signature by an authorized representative on the bid form, Failure to properly complete the bid form and vendor compliance, Evidence of collusion among bidders, Unauthorized alteration of the bid form.

49. RIGHT TO AUDIT

The awarded vendor shall maintain documentation of all work performed. The awarded vendor shall make any and all documentation available to the City of Fairhope at all reasonable times, for inspections and audit by the City of Fairhope for a period of Three (3) years after expiration of the Contract / Agreement / Purchase Order.

50. SAMPLES

Bidders will not be required to furnish samples at the time of bid opening, unless specifically called for. The City of Fairhope reserves the right to request samples after bid opening to assist in the evaluation of proposals submitted.

51. SAFETY MEASURES

The awarded vendor shall take all necessary precautions for the safety of the City of Fairhope's and awarded vendor's employees at the Work site, and shall erect and properly maintain at all times, all necessary safeguards for the protection of the workmen and the public. The awarded vendor shall post signs warning against hazards in and around the Work site.

52. SET-UP AND INSTALLATION

Unless otherwise specified, bid / quotation to include cost of all uncrating, disposal of shipping materials, set-up, testing and initial instruction to agency personnel.

53. SPILL CLEAN UP

The awarded vendor shall be responsible for spillage caused by their negligence, which occurs during transit or unloading operations. The awarded vendor shall immediately report and clean up any spillage. Upon failure to do so, the awarded vendor shall remain responsible for all actual related costs.

54. SUBSTITUTIONS

Substitutions on a purchase order shall require the approval of the Originating Buyer. The City of Fairhope reserves the right to reject at destination and hold at the vendor's risk and expense any goods supplied by the vendor which do not conform to the specification or description embodied in the order or are inferior in any respect to the good specified. Any good bought by sample which is inferior in quality to the sample submitted by vendor will be rejected. Any goods delivered that do not meet specifications may be returned to the vendor at its expense. When a good is returned, the vendor must make immediate replacement with acceptable merchandise, or the City of Fairhope may seek remedies for default.

55. TABULATION

Bid results are posted on The City of Fairhope's web site: www.FairhopeAL.gov. The awarded vendor will be sent a written notification.

56. TAXES

Prices quoted shall be delivered prices, exclusive of all federal or state excise, sales, and manufacturer's taxes. The City will assume no transportation or handling charges other than specified in the RFQ, ITB, RFP or other form of solicitation. The City is tax exempt by law – Code of Alabama 1975.

57. TERMINATION FOR CONVENIENCE

Any Contract / Agreement / Purchase Order may be terminated for convenience by the City of Fairhope, in whole or in part, by written notification to the awarded vendor.

58. TERMINATION FOR DEFAULT

Performance of Work under the Contract / Agreement / Purchase Order Agreement may be terminated by the City of Fairhope, in whole or in part, in writing, whenever the City of Fairhope determines that the awarded vendor has failed to meet the requirements of the Contract / Agreement / Purchase Order.

59. TERMINATION FOR NON-APPROPRIATION

Termination for Non-appropriation – The continuation of any financial obligation beyond the current fiscal year is subject to and contingent upon sufficient funds being appropriated, budgeted, and otherwise made available by the local source, State Legislature and/or federal sources. The City of Fairhope may terminate any financial obligation, and awarded vendor waives any and all claim(s) for damages, effective immediately upon receipt of written notice (or any date specified therein) if for any reason the City of Fairhope's funding from local, State and/or federal sources is not appropriated, withdrawn or limited.

60. TIME IS OF THE ESSENCE

The City of Fairhope and awarded vendor agree that time is of the essence in the performance of work called for under this Contract / Agreement / Purchase Order. The awarded vendor agrees that all work will be accomplished regularly, diligently, and uninterrupted at such a rate of progress as will ensure full completion thereof within reasonable time periods.

61. TITLE

All titles, fees, as well as other charges, are to be paid by awarded vendor. Awarded vendor is to furnish prepaid certificate of title in the name of the City of Fairhope, Title shall change upon acceptance of delivery at the City of Fairhope approved delivery location.

62. VENDOR LIST

A vendor may be removed from the City of Fairhope's Bidders List if a vendor fails to respond to three (3) consecutive ITB's. A properly submitted "No Bid" is considered as a response and the vendor will receive credit for the response.

63. WARRANTY

The awarded vendor expressly warrants that all articles, materials, and work offered shall conform to each and every specification, drawing, sample, or other description which is furnished to or adopted by the City of Fairhope, and that it will be fit and sufficient for the purpose intended, merchantable, of good material and workmanship, and free from defects. The awarded vendor further warrants all items for a period of one year, unless otherwise stated, from the date of acceptance of the items delivered and installed or work completed. All repairs, replacements, or adjustments during the warranty period will be at the awarded vendor's sole expense. Awarded vendor will provide written warranty for all parts and labor for a period of (1) one year commencing from date of written acceptance of delivery by City of Fairhope. Awarded vendor will provide written copies of all other applicable warranties, such as, Manufacturer's warranty. Those warranties, if any, will be in addition to the awarded vendor's warranty, and the terms of which will not be altered by the awarded vendor's warranty.

64. IMMIGRATION LAW

The Contractor agrees that it shall comply with all of the requirements of the **Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No 2011-535**, Alabama Code (1975) Section 31-13-1, et. Seq., (also known as the Alabama Immigration Act) see Section 31-13-9, and the provisions of said Act, including all penalties for violation thereof, are incorporated herein.

ITEM VIII

ALABAMA IMMIGRATION ACT CONTRACT REQUIREMENTS

1.0 Background

The **Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No 2011-535, as amended by Act No 2012-491, Code of Alabama (1975) Section 31-13-1 through Section 31-13-30** (also known as and hereinafter referred to as “the Alabama Immigration Act”) is applicable to CONTRACTs with the City of Fairhope, Alabama. All business entities entering into CONTRACTs with the City of Fairhope, Alabama will comply with the Alabama Immigration Act.

2.0 Definitions

ALIEN. Any person who is not a citizen or national of the United States, as described in 8 U.S.C. § 1101, et seq., and any amendments thereto.

BUSINESS ENTITY. Any person or group of persons employing one or more persons performing or engaging in any activity, enterprise, profession, or occupation for gain, benefit, advantage, or livelihood, whether for profit or not for profit. Business entity shall include but not be limited to the following:

- a. Self-employed individuals, business entities filling articles of incorporation, partnerships, limited partnerships, limited liability companies, foreign corporations, foreign limited partnerships, foreign liability companies authorized to transact business in this state, business trusts, and any business entity that registers with the Secretary of State.
- b. Any business entity that possesses a business license, permit, certificate, approval, registration, charter, or similar form of authorization issued by the state, any business entity that is exempt by law from obtaining such a business license, an any business entity that is operating unlawfully without a business license.

CONTRACTOR. A person, employer, or business entity that enters into a CONTRACT to perform any service or work or to provide a certain product in exchange for valuable consideration. This definition shall include, but not be limited to, a general CONTRACTOR, SUB-CONTRACTOR, independent CONTRACTOR, CONTRACT employee, project manager, or a recruiting or staffing entity.

EMPLOYEE. Any person directed, allowed, or permitted to perform labor or service of any kind by an employer. The employees of an independent CONTRACTOR working for a business entity shall not be regarded as the employees of the business entity, for the purposes of this chapter. This term does not include any inmate in the legal custody of the state, a county, or a municipality.

EMPLOYER. Any person, firm, corporation, partnership, joint stock association, agent, manager, representative, foreman, or other person having control or custody of any employment, place of employment, or of any employee, including any person or entity employing any person for hire within the State of Alabama, including a public employer. This term shall not include the occupant of a household contracting with another person to perform casual domestic labor within the household.

E-VERIFY. The electronic verification of federal employment authorization program of the Illegal Immigration Reform and Immigrant Responsibility Act of 1996, P.L. 104-208, Division c, Section 403 (a); 8 U.S.C. §1324(a) and operated by the United States Department of Homeland Security, or its successor program.

STATE-FUNDED ENTITY. Any governmental entity of the state or a political subdivision thereof or any other entity that receives any monies from the state or a political subdivision thereof; provided, however, an entity that merely provides a service or a product to any governmental entity of the state or a political subdivision thereof, and receives compensation for the same, shall not be considered a state-funded entity.

SUB-CONTRACTOR. A person, business entity, or employer who is awarded a portion of an existing CONTRACT by a CONTRACTOR, regardless of its tier.

UNAUTHORIZED ALIEN. An alien who is not authorized to work in the United States as defined in 8 U.S.C. § 1324a (h) (3) .

3.0 Mandatory Clause

All CONTRACTS or CONTRACTS to which the state, a political subdivision, or state-funded entity are a party shall include the following clause:

"By signing this CONTRACT, the CONTRACTING parties affirm, for the duration of the CONTRACT, that they will not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the state of Alabama. Furthermore, a CONTRACTING party found to be in violation of this provision shall be deemed in breach of the CONTRACT and shall be responsible for all damages resulting therefrom."

For purposes of this section, "CONTRACT" shall mean a CONTRACT awarded by the state, any political subdivision thereof, or any state-funded entity that was competitively bid or would, if entered into by the state or an agency thereof, be required to be submitted to the CONTRACT Review Permanent Legislative Oversight Committee.

4.0 CONTRACTS Involving Business Entity, or Employer

As a condition for the award of any CONTRACT, grant, or incentive by the state, any political subdivision thereof, or any state-funded entity to a business entity or employer that employs one or more employees, the business entity or employer shall not knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama.

As a condition for the award of any CONTRACT, grant, or incentive by the state, any political subdivision thereof, or any state-funded entity to a business entity or employer that employs one or more employees within the state of Alabama, **the business entity or employer shall provide documentation establishing that the business entity or employer is enrolled in the E-Verify program.** During the performance of the CONTRACT, the business entity or employer shall participate in the E-Verify program and shall verify every employee that is required to be verified according to the applicable federal rules and regulations.

5.0 CONTRACTS Involving Subcontracting

Any SUB-CONTRACTOR on a project paid for by CONTRACT, grant, or incentive by the state, any political subdivision thereof, or any state-funded entity shall not knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama and shall also enroll in the E-Verify program prior to performing any work on the project. Furthermore, during the performance of the CONTRACT, the SUB-CONTRACTOR shall participate in the E-Verify program and shall verify every employee that is required to be verified according to the applicable federal rules and regulations. This subsection shall only apply to SUB-BIDDERS performing work on a project subject to the provisions of this section and not to collateral persons or business entities hired by the SUB -CONTRACTOR.

6.0 Proof of E-Verify documentation will be in the form of a copy of the signed Memorandum Of Understanding (MOU) generated upon completion of the E-Verify program.

END OF ALABAMA IMMIGRATION ACT CONTRACT REQUIREMENTS

ITEM IX

INVITATION SUMMARY

**Bid No. 24-037
Light Package for Greeno Road**

| | |
|---|--|
| Bid Name: | Bid No. 24-037 Light Package for Greeno Road |
| Issue Date: | March 15, 2024 |
| Certificate of Insurance Requirements: | See Item V |
| Deadline for Questions Date: | Tuesday, March 19, 2024, 11:00 A.M. |
| Bid Due Date: | Tuesday, March 26, 2024, 2:40 P.M. |
| City Internet Site: | www.FairhopeAL.gov |
| SEALED Bid Response Copies to submit: | One (1) Original Paper Copy |
| Purchasing Department Contact for questions: | Purchasing@FairhopeAL.gov (251) 928-8003 |

END OF INVITATION SUMMARY

ITEM X
BID BOND INFORMATION

Bids shall be accompanied by a Bid Security equal to 5% (percent) of the bid price, but in no event more than \$10,000.00. Bid Security shall be in the form of a Bid Bond or a cashier's check payable to The City of Fairhope. All bonds and/or cashier's check will be made payable to the City of Fairhope for an amount not less than five (5) percent of the City's or its engineers or architects estimated cost of the Project or of the total bid in the proposal, but in no event more than \$10,000.00.

Return of Bid Bonds: All bid bonds, except those of the three lowest bona fide bidders, will be returned immediately after bids have been checked, tabulated and the relation of the bids established. The bid bonds of the three lowest bidders may be retained and if so, will be returned as soon as the contract bonds and the contract documents of the successful bidder have been approved and properly executed.

In the event it is necessary to defer a contract award for longer than fifteen (15) days, after opening of bids, then all bid bonds, except that of the potential successful bidders will be returned.

Award of the contract will be made within the time specified after the opening of bids. In the event no award is made within such time, all bids may be rejected, and all bonds returned.

Provided; however, the potentially successful bidder may enter into a written agreement with the City for an extension of time for consideration of its bid, in which case, the bidder's bond shall remain in full force and effect, or the City may permit said bidder to substitute a satisfactory surety for the cashier's check if submitted as a guaranty to the bid bond.

Forfeiture of Bid Bonds: Should the successful bidder or bidders to whom a contract is awarded fail to execute a contract(s) and furnish acceptable contract securities and evidence of insurance, as required, within thirty (30) days after the prescribed forms have been presented to him/her, the City may retain from the proposal guaranty, if it is a cashier's check or recovered from the principal or the sureties, if the guaranty is a bid bond, the difference between the amount of the contract as awarded, and the amount of the proposals of the new lowest bidder. If no other bids are received, the full amount of the proposal guaranty may be so retained and recovered as liquidated damages for such default. Any sum so retained or recovered shall be the property of the awarding authority.

END OF BID BOND INFORMATION

ITEM X
BID BOND

The PRINCIPAL (Bidder's name and address)

The OWNER
City of Fairhope
P.O. Drawer 429
Fairhope, Al 36533

The PROJECT for which the Principal's Bid is submitted: (Project name as it appears in the Bid Documents)

PROJECT NO.
PROJECT NAME:

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned Principal and Surety, jointly and severally, hereby bind ourselves, our heirs, executors, administrators, successors, and assigns to the OWNER in the PENAL SUM of five percent (5%) of the amount of the Principal's bid, but in no event more than TEN THOUSAND DOLLARS (\$10,000.00).

THE CONDITION OF THIS OBLIGATION is that the Principal has submitted to the OWNER the attached bid, which is incorporated herein by reference, for the Project identified above.

NOW, THEREFORE, if, within the terms of the Bid Document, the OWNER accepts the Principal's bid and the Principal thereafter either:

- (a) executes and delivers a Construction Contract with the required Performance and Payment Bonds (each in the for contained in the Bid Documents and properly completed in accordance with the bid) and delivers evidence of insurance as prescribed in the Bid Documents, or fails to execute and deliver such Construction Contract with such Bonds and evidence of insurance, but pays the OWNER the difference, not to exceed the Penal Sum of this Bond, between the amount of the Principal's Bid and the larger amount for which the OWNER may award a Construction Contract for the same Work to another Bidder, then, this obligation shall be null and void, otherwise it shall remain in full force and effect.

The Surety, for value received, hereby stipulates and agrees that the obligation of the Surety under this Bond shall not in any manner be impaired or affected by any extension of the time within which the OWNER may accept the Principal's bid, and the Surety does hereby waive notice of any such extension.

SIGNED AND SEALED this _____ day of _____, 202_____.

(Principal (Company))
By _____

Print Name and Title

SURETY
ATTEST

By _____
Surety Company

Print Name and Title

CORPORATION

Name of Corporation, Partnership, or Joint Venture

Business Mailing Address: _____

email _____ phone _____

BY: _____
(Signature of Officer Authorized to sign Bids
and Contracts for the Firm)

(Position or Title)

(General Contractor's License Number)
vendors)

Foreign Corporation Entity Id (Required of out-of-state-

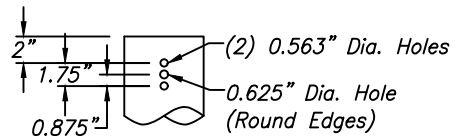
Attest:

(Secretary)

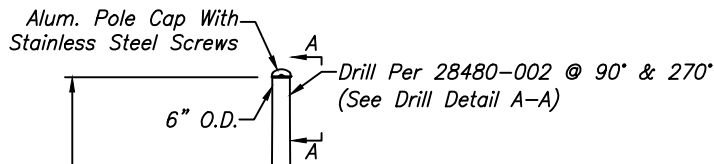
(Name of State under the laws of which incorporated)

(Name of Surety)

BY: _____
(Attorney in Fact)



Detail A-A
(Ref: 28480-002)



Notes:

- 1) Shaft Heat Treated To -T6 Temper After Welding.
- 2) Pole Designed To Meet AASHTO, 2001 Edition (Excluding Breakaway) For A 140 mph Wind Velocity And 25 Yr Design Life, When Supporting A Maximum Twin Luminaire Size Of 0.96 ft² E.P.A. (ea.) & 33 lbs. (ea.)

33'-0"

Internal Damper
(Factory Installed)

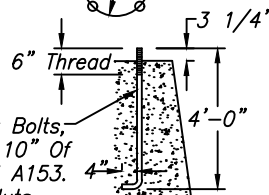
Tapered Alum. Tube
.156" Wall Alloy 6063-T6

10" O.D.
Frame Tapped 1/2"-13NC For Grounding
5" x 9" Reinforced Handhole Assembly With Frame, Cover (27760) And Stainless Steel Screws Installed Per A32773

1'-6"
14" Sq.
Cast Alum. Base Flange Alloy 356-T6 With Bolt Covers And Stainless Steel Screws

14" to 15" Dia.
Bolt Circle

1 1/2" ± 1/8"
Projection When Using Couplings



- (4) 1"-8NC Galv. Stl. Anchor Bolts, AASHTO M314-90 Grade 55, 10" Of Threaded End Galv. Per ASTM A153.
- (4) 1"-8NC Galv. Stl. Hex. Nuts
- (4) 1" Galv. Stl. Lockwashers
- (4) 1" Galv. Stl. Flatwashers

REF: 107912 & 32733

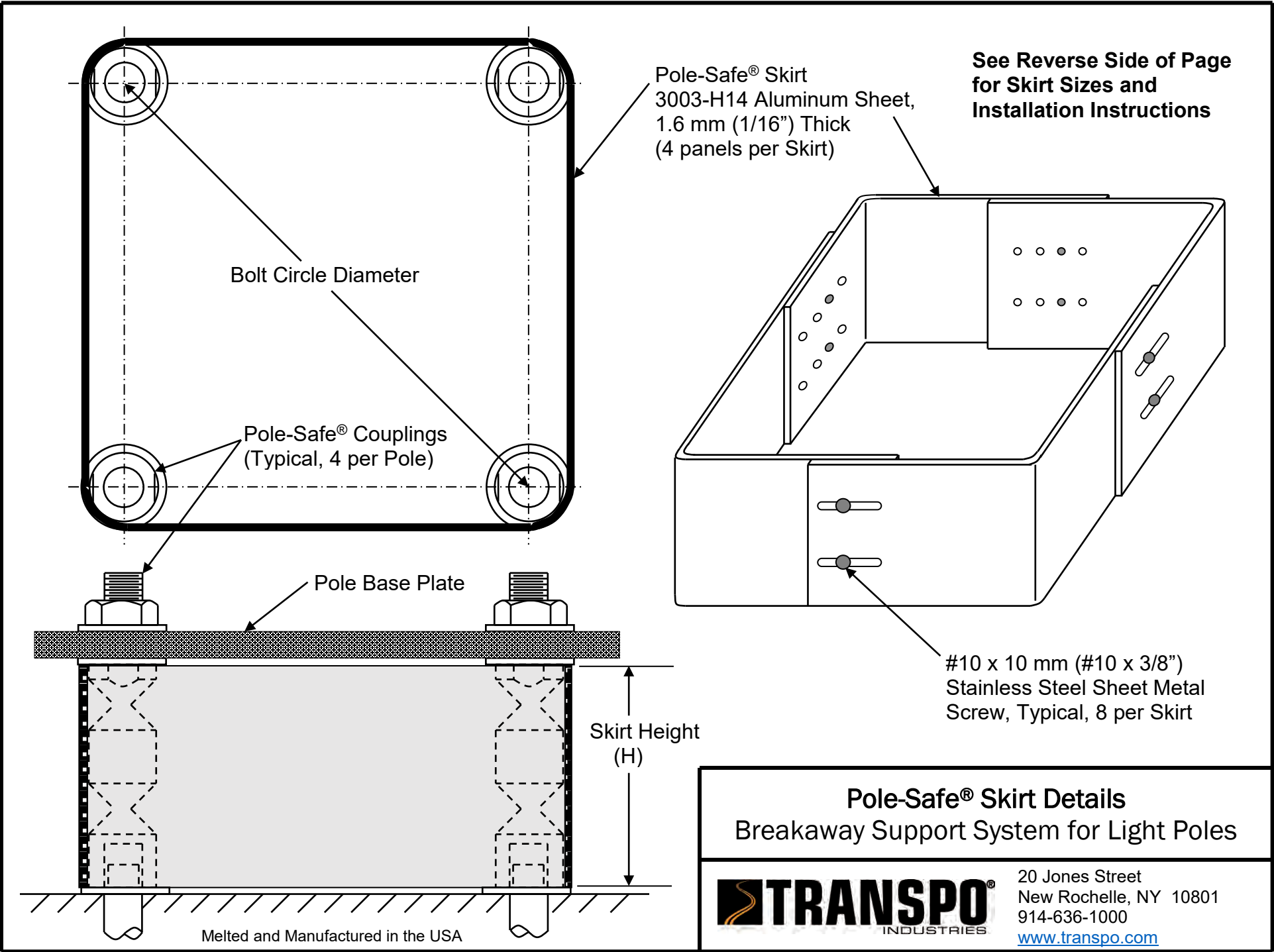
B109940

WARNING: DO NOT INSTALL LIGHTING POLES WITHOUT LUMINAIRES

| NO. | REVISIONS | DATE |
|-----|-----------|------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

hapco
Abingdon, Va.

| | |
|----------------------------|-----------------|
| TITLE 33' MH Lighting Pole | |
| CUSTOMER Fairhope, AL | |
| SCALE 42 | DATE 12/07/2022 |
| BY TNB | DWG. NO. |
| CHK'D | B109940 |



See Reverse Side of Page
for Skirt Sizes and
Installation Instructions

Pole-Safe® Skirt
3003-H14 Aluminum Sheet,
1.6 mm (1/16") Thick
(4 panels per Skirt)

Bolt Circle Diameter

Pole-Safe® Couplings
(Typical, 4 per Pole)

Pole Base Plate

Skirt Height
(H)

#10 x 10 mm (#10 x 3/8")
Stainless Steel Sheet Metal
Screw, Typical, 8 per Skirt

Melted and Manufactured in the USA

Pole-Safe® Skirt Details
Breakaway Support System for Light Poles

TRANSPO
INDUSTRIES

20 Jones Street
New Rochelle, NY 10801
914-636-1000
www.transpo.com

TRANSCO INDUSTRIES COUPLING SKIRTS (4 PC)

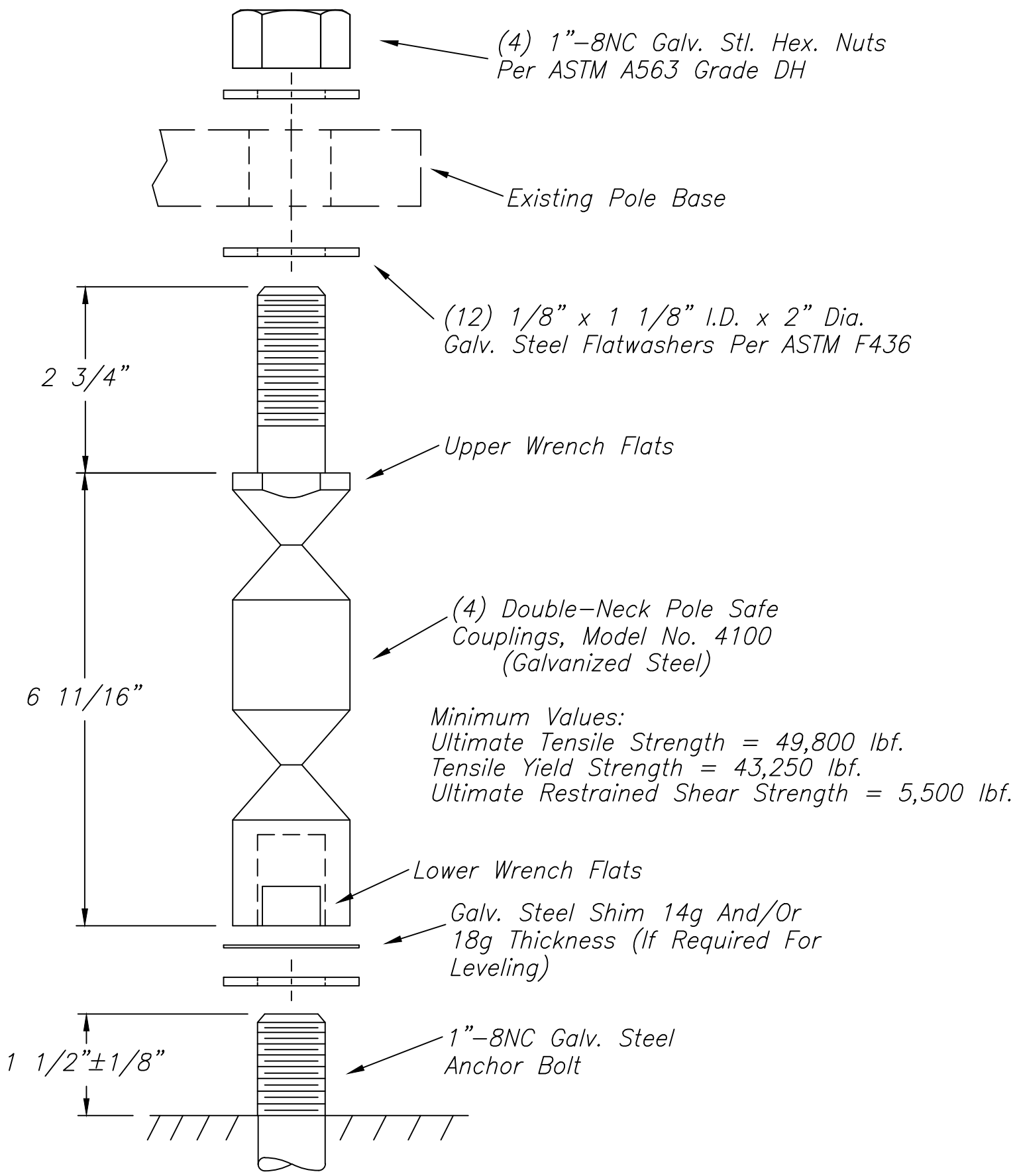
APPLICATION DATA

| HAPCO No. | TRANSCO No. | TRANSCO COUPLING No. | BOLT CIRCLE DIA. | SKIRT HEIGHT |
|-----------|-------------|----------------------|------------------|--------------|
| 87971-001 | SPMKDN-1 | 5062/5075 | 10" To 15" | 4 1/4" |
| 87971-002 | SPMKDN-2 | 5100 | | 5" |
| 87971-003 | SPMKDN-3 | 5125 | | 5 1/4" |
| 87971-004 | SPMKDN-4 | 4050/4062/4075 | | 5 3/4" |
| 87971-005 | SPMKDN-5 | 4100/4125 | ↓ | 6 5/8" |
| 87971-006 | SPMKDN-1L | 5062/5075 | 15" To 20" | 4 1/4" |
| 87971-007 | SPMKDN-2L | 5100 | | 5" |
| 87971-008 | SPMKDN-3L | 5125 | | 5 1/4" |
| 87971-009 | SPMKDN-4L | 4062-4075 | | 5 3/4" |
| 87971-010 | SPMKDN-5L | 4100/4125 | ↓ | 6 5/8" |

NO. REVISIONS DATE

hapco
Abingdon, Va.

TITLE: TRANSCO SKIRT DATA
 CUSTOMER:
 SCALE: 1
 DATE: 3/06/2006
 BY: LW
 DWG. NO.: 87971
 CHK'D:



| NO. | REVISIONS | DATE |
|-----|-------------------------------------|------|
| 1 | Revised Units In Loading Note (BAD) | 5.19 |
| | | |
| | | |
| | | |
| | | |

hapco
Abingdon, Va.

| | |
|--------------------------------------|-----------------|
| TITLE BREAKAWAY COUPLING ASSEMBLY | |
| CUSTOMER | |
| SCALE 2 | DATE 11/10/2004 |
| BY LW | DWG. NO. |
| CHK'D | A85935 |

| | | | | | |
|-------------|--|-----------|--|------|--|
| Project | | Catalog # | | Type | |
| Prepared by | | Notes | | Date | |



Streetworks

GAN Galleon

Area / Roadway Luminaire

Product Features



Product Certifications



Interactive Menu

- Ordering Information [page 2](#)
- Mounting Details [page 3](#)
- Optical Distributions [page 4](#)
- Product Specifications [page 4](#)
- Energy and Performance Data [page 4](#)
- Control Options [page 9](#)

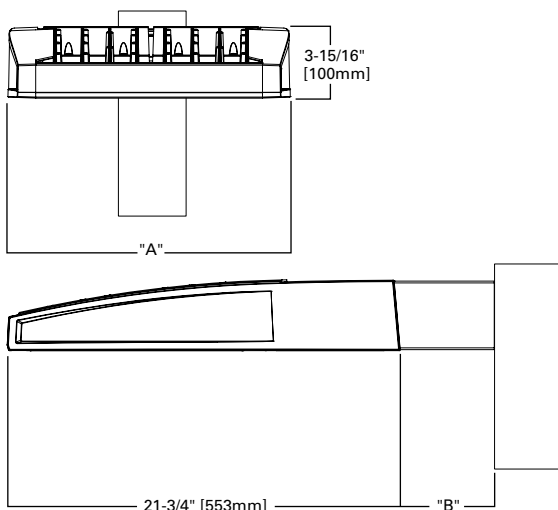
Quick Facts

- Lumen packages range from 4,200 - 80,800 (34W - 640W)
- Efficacy up to 156 lumens per watt
- Options to meet Buy American and other domestic preference requirements

Connected Systems

- WaveLinx
- Enlighted

Dimensional Details



| Number of Light Squares | "A" Width | "B" Standard Arm Length | "B" Extended Arm Length ¹ | "B" Quick Mount Arm Length | "B" Quick Mount Extended Arm Length |
|-------------------------|-----------|-------------------------|--------------------------------------|----------------------------|-------------------------------------|
| 1-4 | 15-1/2" | 7" | 10" | 10-5/8" | 16-9/16" |
| 5-6 | 21-5/8" | 7" | 10" | 10-5/8" | 16-9/16" |
| 7-8 | 27-5/8" | 7" | 13" | 10-5/8" | -- |
| 9-10 | 33-3/4" | 7" | 16" | -- | -- |

NOTES:
For arm selection requirements and additional line art, see Mounting Details section.


NOTES:
1. Visit <https://www.designlights.org/search/> to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

SAMPLE NUMBER: **GAN-SA4C-740-U-T4FT-GM**

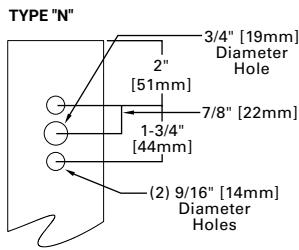
| Product Family ^{1,2} | Light Engine | | Color Temperature | Voltage | Distribution | Mounting | Finish |
|--|--|---|--|---|--|--|--|
| | Configuration | Drive Current | | | | | |
| GAN =Galleon BAA-GAN =Galleon Buy Act Compliant ³⁴ TAA-GAN =Galleon Trade Agreements Act Compliant ³⁴ | SA1 =1 Square SA2 =2 Squares SA3 =3 Squares SA4 =4 Squares SA5 =5 Squares ⁴ SA6 =6 Squares ⁵ SA7 =7 Squares ⁵ SA8 =8 Squares ⁵ SA9 =9 Squares ⁶ SA0 =10 Squares ⁶ | A =600mA B =800mA C =1000mA D =1200mA ¹⁶ | 722 =70CRI, 2200K 727 =70CRI, 2700K 730 =70CRI, 3000K 735 =70CRI, 3500K 740 =70CRI, 4000K 750 =70CRI, 5000K 760 =70CRI, 6000K 827 =80CRI, 2700K 830 =80CRI, 3000K AMB =Amber, 590nm ^{14, 16} | U =120-277V 1=120V 2=208V 3=240V 4=277V 8=480V ^{7, 8} 9=347V ⁷ | T2 =Type II T2R =Type II Roadway T3 =Type III T3R =Type III Roadway T4FT =Type IV Forward Throw T4W =Type IV Wide 5NQ =Type V Narrow 5MQ =Type V Square Medium 5WQ =Type V Square Wide SL2 =Type II w/Spill Control SL3 =Type III w/Spill Control SL4 =Type IV w/Spill Control SLL =90° Spill Light Eliminator Left SLR =90° Spill Light Eliminator Right RW =Rectangular Wide Type I AFL =Automotive Frontline | [Blank] =Arm for Round or Square Pole EA =Extended Arm ⁹ MA =Mast Arm Adapter ¹⁰ WM =Wall Mount QM =Quick Mount Arm (Standard Length) ¹¹ QML =Quick Mount Arm (Standard Length, Large) ³⁵ QMEA =Quick Mount Arm (Extended Length) ¹² | AP =Grey BZ =Bronze BK =Black DP =Dark Platinum GM =Graphite Metallic WH =White |
| Options (Add as Suffix) | | Controls and Systems Options (Add as Suffix) | | | Accessories (Order Separately) ³⁵ | | |
| DIM =External 0-10V Dimming Leads ^{19, 20} F =Single Fuse (120, 277 or 347V Specify Voltage) FF =Double Fuse (208, 240 or 480V Specify Voltage) 20K =20KV UL 1449 fused surge protective device 2L =Two Circuits ^{17, 18} 3 =Three-Position Terminal Block HA =50°C High Ambient HSS =Installed House Side Shield ²⁸ GRSBK =Glare Reducing Shield, Black ²³ GRSWH =Glare Reducing Shield, White ²³ LCF =Light Square Trim Painted to Match Housing ²⁷ MT =Installed Mesh Top TH =Tool-less Door Hardware CC =Coastal Construction finish ³ L90 =Optics Rotated 90° Left R90 =Optics Rotated 90° Right CE =CE Marking ²⁹ AHD145 =After Hours Dim, 5 Hours ²² AHD245 =After Hours Dim, 6 Hours ²² AHD255 =After Hours Dim, 7 Hours ²² AHD355 =After Hours Dim, 8 Hours ²² DALI =DALI Drivers | | BPC =Button Type Photocontrol PR =NEMA 3-PIN Photocontrol Receptacle PR7 =NEMA 7-PIN Photocontrol Receptacle ²¹ MS-L08 =Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height ²⁴ MS-L20 =Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height ²⁴ MS-L40W =Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height ²⁴ MS/X-L08 =Bi-Level Motion Sensor, Maximum 8' Mounting Height ^{24, 25} MS/X-L20 =Bi-Level Motion Sensor, 9' - 20' Mounting Height ^{24, 25} MS/X-L40W =Bi-Level Motion Sensor, 21' - 40' Mounting Height ^{24, 25} MS/DIM-L20 =Motion Sensor for Dimming Operation, 9' - 20' Mounting Height ²⁴ MS/DIM-L40W =Motion Sensor for Dimming Operation, 21' - 40' Mounting Height ²⁴ ZW =WaveLinX-enabled 4-PIN Twistlock Receptacle ZD =SR Driver-enabled 4-PIN Twistlock Receptacle ZW-WOBXX =WaveLinX Lite, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting ^{13,32} ZW-WOFOX =WaveLinX Lite, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting ^{13,32} ZD-WOBXX =WaveLinX Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting ^{13,32} ZD-WOFOX =WaveLinX Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting ^{13,32} ZW-SWPD4XX =WaveLinX Pro, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting ^{13,32,33} ZW-SWPD5XX =WaveLinX Pro, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting ^{13,32,33} ZD-SWPD4XX =WaveLinX Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting ^{13,32,33} ZD-SWPD5XX =WaveLinX Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting ^{13,32,33} LWR-LW =Enlightened Sensor, 8'-16' Mounting Height ²⁶ LWR-LN =Enlightened Sensor, 16'-40' Mounting Height ²⁶ DIM10-L08 =Synapse Occupancy Sensor (<8' Mounting) ¹⁹ DIM10-L20 =Synapse Occupancy Sensor (9'-20' Mounting) ¹⁹ DIM10-L40 =Synapse Occupancy Sensor (21'-40' Mounting) ¹⁹ | | | OA/RA1016 =NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027 =NEMA Photocontrol - 480V OA/RA1201 =NEMA Photocontrol - 347V OA/RA1013 =Photocontrol Shorting Cap OA/RA1014 =120V Photocontrol MA1252 =10kV Surge Module Replacement MA1036-XX =Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX =2@180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX =3@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX =4@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX =2@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX =3@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX =2@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX =Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX =2@180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX =3@120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX =4@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX =2@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX =3@90° Tenon Adapter for 3-1/2" O.D. Tenon FSIR-100 =Wireless Configuration Tool for Occupancy Sensor ²⁴ GAN-MT1 =Field Installed Mesh Top for 1-4 Light Squares GAN-MT2 =Field Installed Mesh Top for 5-6 Light Squares GAN-MT3 =Field Installed Mesh Top for 7-8 Light Squares GAN-MT4 =Field Installed Mesh Top for 9-10 Light Squares GAN-QM =Quick Mount Arm Kit ¹¹ GAN-QMEA =Quick Mount Extended Arm Kit ¹² LS/HSS =Field Installed House Side Shield ^{28, 30} LS/GRSBK-2PK =Glare Reducing Shield, Black ^{23, 30} LS/GRSWH-2PK =Glare Reducing Shield, White ^{23, 30} LS/PFS =Perimeter Shield, Black ¹⁵ WOLC-7P-10A =WaveLinX Outdoor Control Module ^{19, 31} WOB-XX =WaveLinX Lite Sensor, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting ^{13,32} WOF-XX =WaveLinX Lite Sensor, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting ^{13,32} SWPD4-XX =WaveLinX Sensor, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting ^{13,32,33} SWPD5-XX =WaveLinX Sensor, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting ^{13,32,33} | | |
| NOTES: 1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WPS13001EN for additional support information. 2. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 3. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. Not available with TH option. 4. Not compatible with MS/4-LXX or MS/1-LXX sensors. 5. Not compatible with extended quick mount arm (QMEA). 6. Not compatible with standard quick mount arm (QM) or extended quick mount arm (QMEA). 7. Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A. 8. 480V must utilize Wye system only. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems.) 9. May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table. 10. Factory installed. 11. Maximum 8 light squares. 12. Maximum 6 light squares. 13. Requires ZW or ZD receptacle. 14. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose drive current A; supplied at 500mA drive current only. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option. 15. Set of 4 pcs. One set required per Light Square. 16. Not available with HA option. 17. 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in SA2 through SA4 requires a larger housing, normally used for SA5 or SA6. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table. 18. Not available with Enlightened wireless sensors. 19. Cannot be used with other control options. 20. Low voltage control lead brought out 18" outside fixture. 21. Not available if any "MS" sensor is selected. Motion sensor has an integral photocell. 22. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information. 23. Not for use with T4FT, T4W or SL4 optics. See IES files for details. 24. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information. 25. Replace X with number of Light Squares operating in low output mode. 26. Enlightened wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1 and LWP-PoE in appropriate quantities. 27. Not available with house side shield (HSS). 28. Not for use with 5NQ, 5MQ, 5WQ or RW optics. A black trim plate is used when HSS is selected. 29. CE is not available with the LWR, MS, MS/X, MS/DIM, BPC, PR or PR7 options. Available in 120-277V only. 30. One required for each Light Square. 31. Requires PR7. 32. Replace XX with sensor color (WH, BZ or BK.) 33. WAC Gateway required to enable field-configurability. Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. 34. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 35. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. | | | | | | | |

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

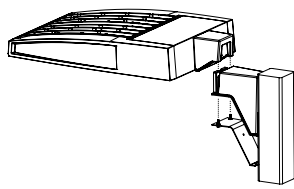
| Product Family | Camera Type | Data Backhaul |
|---|---|--|
| L =LumenSafe Technology  | D =Standard Dome Camera H =Hi-Res Dome Camera Z =Remote PTZ Camera | C =Cellular, No SIM A =Cellular, AT&T V =Cellular, Verizon S =Cellular, Sprint R =Cellular, Rogers W =Wi-Fi Networking w/ Omni-Directional Antenna E =Ethernet Networking |

Mounting Details

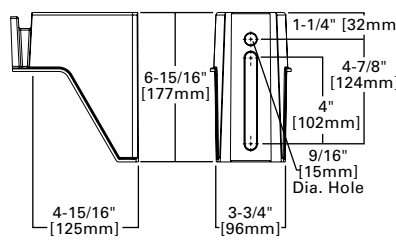
Standard Arm (Drilling Pattern)



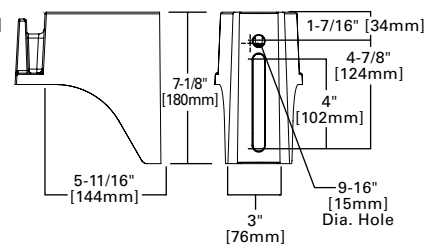
Quick Mount Arm (Includes fixture adapter)



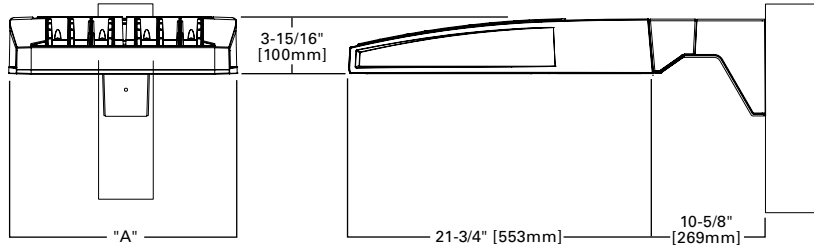
QM and QMEA Pole Mount



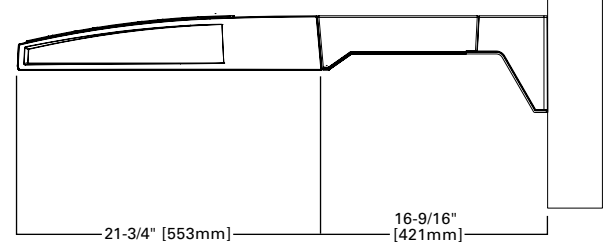
QML Pole Mount



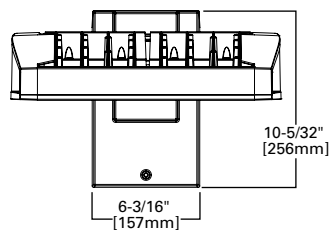
QM Quick Mount Arm (Standard)



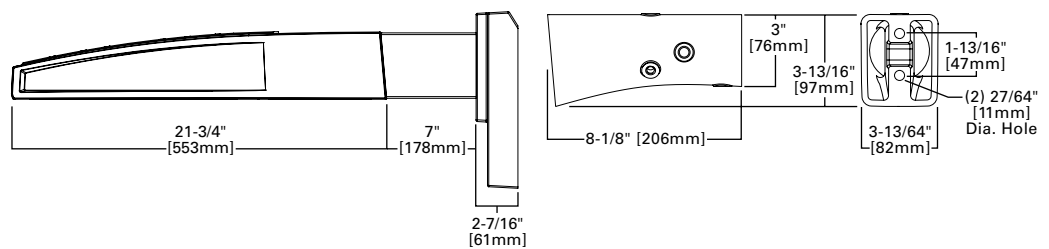
QMEA Quick Mount Arm (Extended)



Standard Wall Mount

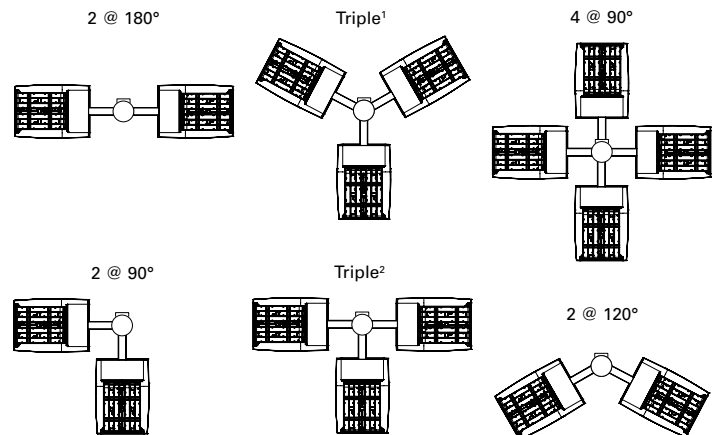


Mast Arm Mount



Arm Mounting Requirements

| Number of Light Squares | Standard Arm @ 90° Apart | Standard Arm @ 120° Apart | Quick Mount Arm @ 90° Apart | Quick Mount Arm @ 120° Apart |
|-------------------------|--------------------------|---------------------------|-----------------------------|------------------------------|
| 1 | Standard | Standard | QM Extended | Quick Mount |
| 2 | Standard | Standard | QM Extended | Quick Mount |
| 3 | Standard | Standard | QM Extended | Quick Mount |
| 4 | Standard | Standard | QM Extended | Quick Mount |
| 5 | Extended | Standard | QM Extended | Quick Mount |
| 6 | Extended | Standard | QM Extended | Quick Mount |
| 7 | Extended | Extended | -- | Quick Mount |
| 8 | Extended | Extended | -- | Quick Mount |
| 9 | Extended | Extended | -- | -- |
| 10 | Extended | Extended | -- | -- |

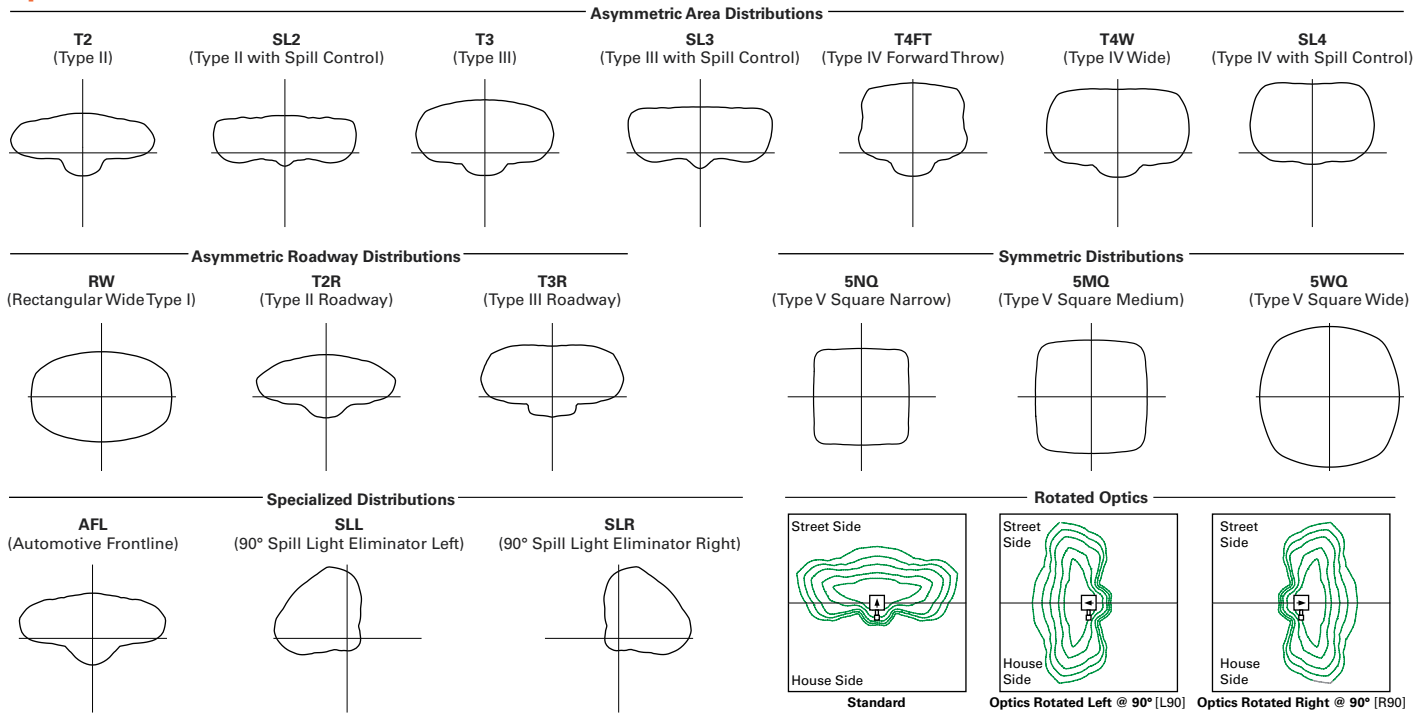


NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. 2 Round poles are 3 @ 90°.

Fixture Weights and EPAs

| Number of Light Squares | Weight with Standard and Extended Arm (lbs.) | EPA with Standard and Extended Arm (Sq. Ft.) | Weight with QM Arm (lbs.) | EPA with QM Arm (Sq. Ft.) | Weight with QML (lbs.) | EPA with QML (Sq. Ft.) | Weight with QMEA (lbs.) | EPA with QMEA (Sq. Ft.) |
|-------------------------|--|--|---------------------------|---------------------------|------------------------|------------------------|-------------------------|-------------------------|
| 1-4 | 33 | 0.96 | 35 | 1.11 | -- | -- | 38 | 1.11 |
| 5-6 | 44 | 1.00 | 46 | 1.11 | -- | -- | 49 | 1.11 |
| 7-8 | 54 | 1.07 | 56 | 1.11 | 58 | 1.11 | -- | -- |
| 9-10 | 63 | 1.12 | -- | -- | 67 | 1.11 | -- | -- |

Optical Distributions



Product Specifications

Construction

- Extruded aluminum driver enclosure
- Heavy-wall, die-cast aluminum end caps
- Die-cast aluminum heat sinks
- Patent pending interlocking housing and heat sink

Optics

- Patented, high-efficiency injection-molded AccuLED Optics technology
- 16 optical distributions
- 3 shielding options including HSS, GRS and PFS
- IDA Certified (3000K CCT and warmer only)

Electrical

- LED drivers are mounted to removable tray

assembly for ease of maintenance

- Standard with 0-10V dimming
- Standard with Cooper Lighting Solutions proprietary circuit module designed to withstand 10kV of transient line surge
- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration.

Mounting

- Standard extruded arm includes internal bolt guides and round pole adapter
- Extended arms (EA and QMEA) may be required in 90° or 120° pole mount configurations, see arm mounting requirements table

- Mast arm (MA) factory installed
- Wall mount (WM) option available
- Quick mount arm (QM and QMEA) includes pole adapter and factory installed fixture mount for fast installation to square or round poles

Finish

- Super housing durable TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Heat sink is powder coated black
- RAL and custom color matches available.
- Coastal Construction (CC) option available

Warranty

- Five year warranty

Energy and Performance Data

Lumen Maintenance (TM-21)

| Drive Current | Ambient Temperature | 25,000 hours* | 50,000 hours* | 60,000 hours* | 100,000 hours** | Theoretical L70 hours** |
|---------------|---------------------|---------------|---------------|---------------|-----------------|-------------------------|
| Up to 1A | 25°C | 99.4% | 99.0% | 98.9% | 98.3% | > 2.4M |
| | 40°C | 98.7% | 98.3% | 98.1% | 97.4% | > 1.9M |
| | 50°C | 98.2% | 97.2% | 96.8% | 95.2% | > 851,000 |
| 1.2A | 25°C | 99.4% | 99.0% | 98.9% | 98.3% | > 2.4M |
| | 40°C | 98.5% | 97.9% | 97.7% | 96.7% | > 1.3M |

* Supported by IES TM-21 standards

** Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, explaining proper use of IES TM-21 and LM-80.

Lumen Multiplier

| Ambient Temperature | Lumen Multiplier |
|---------------------|------------------|
| 0°C | 1.02 |
| 10°C | 1.01 |
| 25°C | 1.00 |
| 40°C | 0.99 |
| 50°C | 0.97 |



View GAN IES files

Nominal Power Lumens (1.2A)

 Supplemental Performance Guide**

| Number of Light Squares | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---------------------------------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Nominal Power (Watts) | | 67 | 129 | 191 | 258 | 320 | 382 | 448 | 511 | 575 | 640 |
| Input Current @ 120V (A) | | 0.58 | 1.16 | 1.78 | 2.31 | 2.94 | 3.56 | 4.09 | 4.71 | 5.34 | 5.87 |
| Input Current @ 208V (A) | | 0.33 | 0.63 | 0.93 | 1.27 | 1.57 | 1.87 | 2.22 | 2.52 | 2.8 | 3.14 |
| Input Current @ 240V (A) | | 0.29 | 0.55 | 0.80 | 1.10 | 1.35 | 1.61 | 1.93 | 2.18 | 2.41 | 2.71 |
| Input Current @ 277V (A) | | 0.25 | 0.48 | 0.70 | 0.96 | 1.18 | 1.39 | 1.69 | 1.90 | 2.09 | 2.36 |
| Input Current @ 347V (A) | | 0.20 | 0.39 | 0.57 | 0.78 | 0.96 | 1.15 | 1.36 | 1.54 | 1.72 | 1.92 |
| Input Current @ 480V (A) | | 0.15 | 0.30 | 0.43 | 0.60 | 0.73 | 0.85 | 1.03 | 1.16 | 1.28 | 1.45 |
| Optics | | | | | | | | | | | |
| T2 | 4000K Lumens | 7,972 | 15,580 | 23,245 | 30,714 | 38,056 | 45,541 | 53,857 | 61,024 | 68,072 | 75,366 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 119 | 121 | 122 | 119 | 119 | 119 | 120 | 119 | 118 | 118 |
| T2R | 4000K Lumens | 8,462 | 16,539 | 24,680 | 32,609 | 40,401 | 48,348 | 57,176 | 64,783 | 72,266 | 80,010 |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 126 | 128 | 129 | 126 | 126 | 127 | 128 | 127 | 126 | 125 |
| T3 | 4000K Lumens | 8,125 | 15,879 | 23,693 | 31,307 | 38,787 | 46,417 | 54,893 | 62,197 | 69,381 | 76,818 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 121 | 123 | 124 | 121 | 121 | 122 | 123 | 122 | 121 | 120 |
| T3R | 4000K Lumens | 8,306 | 16,232 | 24,220 | 32,001 | 39,651 | 47,447 | 56,114 | 63,580 | 70,924 | 78,523 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 124 | 126 | 127 | 124 | 124 | 124 | 125 | 124 | 123 | 123 |
| T4FT | 4000K Lumens | 8,173 | 15,970 | 23,831 | 31,488 | 39,014 | 46,686 | 55,212 | 62,558 | 69,783 | 77,261 |
| | BUG Rating | B1-U0-G3 | B2-U0-G3 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 122 | 124 | 125 | 122 | 122 | 122 | 123 | 122 | 121 | 121 |
| T4W | 4000K Lumens | 8,067 | 15,764 | 23,522 | 31,080 | 38,510 | 46,082 | 54,499 | 61,751 | 68,881 | 76,263 |
| | BUG Rating | B2-U0-G2 | B3-U0-G3 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B5-U0-G5 |
| | Lumens per Watt | 120 | 122 | 123 | 120 | 120 | 121 | 122 | 121 | 120 | 119 |
| SL2 | 4000K Lumens | 7,958 | 15,552 | 23,206 | 30,662 | 37,989 | 45,462 | 53,763 | 60,920 | 67,952 | 75,235 |
| | BUG Rating | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 119 | 121 | 121 | 119 | 119 | 119 | 120 | 119 | 118 | 118 |
| SL3 | 4000K Lumens | 8,124 | 15,877 | 23,690 | 31,302 | 38,784 | 46,410 | 54,885 | 62,189 | 69,372 | 76,805 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 121 | 123 | 124 | 121 | 121 | 121 | 123 | 122 | 121 | 120 |
| SL4 | 4000K Lumens | 7,719 | 15,085 | 22,510 | 29,741 | 36,850 | 44,097 | 52,148 | 59,089 | 65,913 | 72,977 |
| | BUG Rating | B1-U0-G3 | B2-U0-G4 | B2-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 115 | 117 | 118 | 115 | 115 | 115 | 116 | 116 | 115 | 114 |
| 5NQ | 4000K Lumens | 8,380 | 16,375 | 24,436 | 32,287 | 40,003 | 47,870 | 56,610 | 64,144 | 71,552 | 79,221 |
| | BUG Rating | B3-U0-G1 | B3-U0-G2 | B4-U0-G2 | B5-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 |
| | Lumens per Watt | 125 | 127 | 128 | 125 | 125 | 125 | 126 | 126 | 124 | 124 |
| 5MQ | 4000K Lumens | 8,534 | 16,676 | 24,885 | 32,881 | 40,739 | 48,752 | 57,653 | 65,326 | 72,868 | 80,679 |
| | BUG Rating | B3-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 |
| | Lumens per Watt | 127 | 129 | 130 | 127 | 127 | 128 | 129 | 128 | 127 | 126 |
| 5WQ | 4000K Lumens | 8,556 | 16,723 | 24,951 | 32,968 | 40,847 | 48,881 | 57,808 | 65,499 | 73,063 | 80,894 |
| | BUG Rating | B3-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 |
| | Lumens per Watt | 128 | 130 | 131 | 128 | 128 | 128 | 129 | 128 | 127 | 126 |
| SLL/SLR | 4000K Lumens | 7,140 | 13,951 | 20,817 | 27,506 | 34,081 | 40,783 | 48,231 | 54,649 | 60,959 | 67,492 |
| | BUG Rating | B1-U0-G3 | B2-U0-G3 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 107 | 108 | 109 | 107 | 107 | 107 | 108 | 107 | 106 | 105 |
| RW | 4000K Lumens | 8,304 | 16,228 | 24,215 | 31,994 | 39,641 | 47,437 | 56,100 | 63,566 | 70,907 | 78,504 |
| | BUG Rating | B3-U0-G1 | B4-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 | B5-U0-G5 | B5-U0-G5 |
| | Lumens per Watt | 124 | 126 | 127 | 124 | 124 | 124 | 125 | 124 | 123 | 123 |
| AFL | 4000K Lumens | 8,335 | 16,287 | 24,302 | 32,110 | 39,784 | 47,610 | 56,303 | 63,796 | 71,163 | 78,790 |
| | BUG Rating | B1-U0-G1 | B2-U0-G2 | B3-U0-G2 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B4-U0-G4 | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 |
| | Lumens per Watt | 124 | 126 | 127 | 124 | 124 | 125 | 126 | 125 | 124 | 123 |

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

Nominal Power Lumens (1A)

 Supplemental Performance Guide**

| Number of Light Squares | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---------------------------------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Nominal Power (Watts) | | 59 | 113 | 166 | 225 | 279 | 333 | 391 | 445 | 501 | 558 |
| Input Current @ 120V (A) | | 0.51 | 1.02 | 1.53 | 2.03 | 2.55 | 3.06 | 3.56 | 4.08 | 4.60 | 5.07 |
| Input Current @ 208V (A) | | 0.29 | 0.56 | 0.82 | 1.11 | 1.37 | 1.64 | 1.93 | 2.19 | 2.46 | 2.75 |
| Input Current @ 240V (A) | | 0.26 | 0.48 | 0.71 | 0.96 | 1.19 | 0.41 | 1.67 | 1.89 | 2.12 | 2.39 |
| Input Current @ 277V (A) | | 0.23 | 0.42 | 0.61 | 0.83 | 1.03 | 1.23 | 1.45 | 1.65 | 1.84 | 2.09 |
| Input Current @ 347V (A) | | 0.17 | 0.32 | 0.50 | 0.64 | 0.82 | 1.00 | 1.14 | 1.32 | 1.50 | 1.68 |
| Input Current @ 480V (A) | | 0.14 | 0.24 | 0.37 | 0.48 | 0.61 | 0.75 | 0.91 | 0.99 | 1.12 | 1.28 |
| Optics | | | | | | | | | | | |
| T2 | 4000K Lumens | 7,267 | 14,201 | 21,190 | 28,000 | 34,692 | 41,515 | 49,096 | 55,627 | 62,053 | 68,703 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 123 | 126 | 128 | 124 | 124 | 125 | 126 | 125 | 124 | 123 |
| T2R | 4000K Lumens | 7,715 | 15,077 | 22,497 | 29,725 | 36,829 | 44,073 | 52,122 | 59,056 | 65,876 | 72,937 |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 131 | 133 | 136 | 132 | 132 | 132 | 133 | 133 | 131 | 131 |
| T3 | 4000K Lumens | 7,408 | 14,475 | 21,598 | 28,539 | 35,358 | 42,313 | 50,039 | 56,698 | 63,246 | 70,024 |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 126 | 128 | 130 | 127 | 127 | 127 | 128 | 127 | 126 | 125 |
| T3R | 4000K Lumens | 7,571 | 14,798 | 22,078 | 29,172 | 36,145 | 43,253 | 51,153 | 57,959 | 64,653 | 71,581 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 128 | 131 | 133 | 130 | 130 | 130 | 131 | 130 | 129 | 128 |
| T4FT | 4000K Lumens | 7,451 | 14,559 | 21,725 | 28,703 | 35,564 | 42,558 | 50,330 | 57,027 | 63,613 | 70,430 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 126 | 129 | 131 | 128 | 127 | 128 | 129 | 128 | 127 | 126 |
| T4W | 4000K Lumens | 7,354 | 14,371 | 21,442 | 28,333 | 35,105 | 42,007 | 49,681 | 56,291 | 62,792 | 69,521 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 125 | 127 | 129 | 126 | 126 | 126 | 127 | 126 | 125 | 125 |
| SL2 | 4000K Lumens | 7,254 | 14,178 | 21,155 | 27,951 | 34,631 | 41,443 | 49,011 | 55,533 | 61,944 | 68,584 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 123 | 125 | 127 | 124 | 124 | 124 | 125 | 125 | 124 | 123 |
| SL3 | 4000K Lumens | 7,406 | 14,474 | 21,596 | 28,534 | 35,355 | 42,307 | 50,033 | 56,690 | 63,237 | 70,014 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 126 | 128 | 130 | 127 | 127 | 127 | 128 | 127 | 126 | 125 |
| SL4 | 4000K Lumens | 7,037 | 13,751 | 20,519 | 27,112 | 33,592 | 40,198 | 47,538 | 53,864 | 60,087 | 66,524 |
| | BUG Rating | B1-U0-G3 | B2-U0-G4 | B2-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 119 | 122 | 124 | 120 | 120 | 121 | 122 | 121 | 120 | 119 |
| 5NQ | 4000K Lumens | 7,640 | 14,928 | 22,275 | 29,431 | 36,465 | 43,637 | 51,606 | 58,472 | 65,226 | 72,218 |
| | BUG Rating | B3-U0-G1 | B3-U0-G2 | B4-U0-G2 | B5-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 |
| | Lumens per Watt | 129 | 132 | 134 | 131 | 131 | 131 | 132 | 131 | 130 | 129 |
| 5MQ | 4000K Lumens | 7,779 | 15,203 | 22,684 | 29,973 | 37,137 | 44,441 | 52,555 | 59,549 | 66,427 | 73,545 |
| | BUG Rating | B3-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 |
| | Lumens per Watt | 132 | 135 | 137 | 133 | 133 | 133 | 134 | 134 | 133 | 132 |
| 5WQ | 4000K Lumens | 7,800 | 15,243 | 22,744 | 30,052 | 37,236 | 44,560 | 52,697 | 59,708 | 66,603 | 73,742 |
| | BUG Rating | B3-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 |
| | Lumens per Watt | 132 | 135 | 137 | 134 | 133 | 134 | 135 | 134 | 133 | 132 |
| SLL/SLR | 4000K Lumens | 6,510 | 12,719 | 18,977 | 25,075 | 31,067 | 37,176 | 43,967 | 49,817 | 55,569 | 61,525 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B2-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 110 | 113 | 114 | 111 | 111 | 112 | 112 | 112 | 111 | 110 |
| RW | 4000K Lumens | 7,570 | 14,793 | 22,073 | 29,165 | 36,137 | 43,243 | 51,140 | 57,945 | 64,637 | 71,564 |
| | BUG Rating | B3-U0-G1 | B4-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 | B5-U0-G5 |
| | Lumens per Watt | 128 | 131 | 133 | 130 | 130 | 130 | 131 | 130 | 129 | 128 |
| AFL | 4000K Lumens | 7,598 | 14,847 | 22,154 | 29,272 | 36,267 | 43,400 | 51,326 | 58,156 | 64,872 | 71,824 |
| | BUG Rating | B1-U0-G1 | B2-U0-G2 | B3-U0-G2 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B4-U0-G4 | B4-U0-G4 | B4-U0-G4 | B4-U0-G4 |
| | Lumens per Watt | 129 | 131 | 133 | 130 | 130 | 130 | 131 | 131 | 129 | 129 |

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

Nominal Power Lumens (800mA)

 Supplemental Performance Guide**

| Number of Light Squares | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---------------------------------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Nominal Power (Watts) | | 44 | 85 | 124 | 171 | 210 | 249 | 295 | 334 | 374 | 419 |
| Input Current @ 120V (A) | | 0.39 | 0.77 | 1.13 | 1.54 | 1.90 | 2.26 | 2.67 | 3.03 | 3.39 | 3.80 |
| Input Current @ 208V (A) | | 0.22 | 0.44 | 0.62 | 0.88 | 1.06 | 1.24 | 1.50 | 1.68 | 1.87 | 2.12 |
| Input Current @ 240V (A) | | 0.19 | 0.38 | 0.54 | 0.76 | 0.92 | 1.08 | 1.30 | 1.46 | 1.62 | 1.84 |
| Input Current @ 277V (A) | | 0.17 | 0.36 | 0.47 | 0.72 | 0.83 | 0.95 | 1.19 | 1.31 | 1.42 | 1.67 |
| Input Current @ 347V (A) | | 0.15 | 0.24 | 0.38 | 0.49 | 0.63 | 0.77 | 0.87 | 1.01 | 1.15 | 1.52 |
| Input Current @ 480V (A) | | 0.11 | 0.18 | 0.29 | 0.37 | 0.48 | 0.59 | 0.66 | 0.77 | 0.88 | 0.96 |
| Optics | | | | | | | | | | | |
| T2 | 4000K Lumens | 5,871 | 11,474 | 17,121 | 22,622 | 28,029 | 33,542 | 39,667 | 44,944 | 50,134 | 55,508 |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 133 | 135 | 138 | 132 | 133 | 135 | 134 | 135 | 134 | 132 |
| T2R | 4000K Lumens | 6,233 | 12,181 | 18,176 | 24,016 | 29,756 | 35,608 | 42,111 | 47,714 | 53,224 | 58,929 |
| | BUG Rating | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 142 | 143 | 147 | 140 | 142 | 143 | 143 | 143 | 142 | 141 |
| T3 | 4000K Lumens | 5,986 | 11,695 | 17,450 | 23,057 | 28,568 | 34,186 | 40,430 | 45,809 | 51,099 | 56,576 |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 136 | 138 | 141 | 135 | 136 | 137 | 137 | 137 | 137 | 135 |
| T3R | 4000K Lumens | 6,117 | 11,955 | 17,838 | 23,569 | 29,203 | 34,946 | 41,328 | 46,827 | 52,235 | 57,832 |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 139 | 141 | 144 | 138 | 139 | 140 | 140 | 140 | 140 | 138 |
| T4FT | 4000K Lumens | 6,019 | 11,763 | 17,551 | 23,190 | 28,734 | 34,384 | 40,663 | 46,074 | 51,396 | 56,904 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 137 | 138 | 142 | 136 | 137 | 138 | 138 | 138 | 137 | 136 |
| T4W | 4000K Lumens | 5,942 | 11,610 | 17,324 | 22,891 | 28,363 | 33,940 | 40,138 | 45,480 | 50,732 | 56,169 |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 135 | 137 | 140 | 134 | 135 | 136 | 136 | 136 | 136 | 134 |
| SL2 | 4000K Lumens | 5,862 | 11,454 | 17,091 | 22,583 | 27,980 | 33,484 | 39,598 | 44,867 | 50,048 | 55,411 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 133 | 135 | 138 | 132 | 133 | 134 | 134 | 134 | 134 | 132 |
| SL3 | 4000K Lumens | 5,985 | 11,694 | 17,447 | 23,053 | 28,565 | 34,182 | 40,424 | 45,804 | 51,092 | 56,568 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B2-U0-G3 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 136 | 138 | 141 | 135 | 136 | 137 | 137 | 137 | 137 | 135 |
| SL4 | 4000K Lumens | 5,685 | 11,111 | 16,577 | 21,905 | 27,140 | 32,478 | 38,409 | 43,520 | 48,546 | 53,748 |
| | BUG Rating | B1-U0-G2 | B1-U0-G3 | B2-U0-G4 | B2-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 |
| | Lumens per Watt | 129 | 131 | 134 | 128 | 129 | 130 | 130 | 130 | 130 | 128 |
| 5NQ | 4000K Lumens | 6,172 | 12,061 | 17,997 | 23,778 | 29,462 | 35,256 | 41,694 | 47,242 | 52,699 | 58,347 |
| | BUG Rating | B2-U0-G1 | B3-U0-G1 | B4-U0-G2 | B4-U0-G2 | B5-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 |
| | Lumens per Watt | 140 | 142 | 145 | 139 | 140 | 142 | 141 | 141 | 141 | 139 |
| 5MQ | 4000K Lumens | 6,285 | 12,283 | 18,328 | 24,217 | 30,004 | 35,907 | 42,462 | 48,112 | 53,669 | 59,421 |
| | BUG Rating | B3-U0-G1 | B4-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 | B5-U0-G5 | B5-U0-G5 |
| | Lumens per Watt | 143 | 145 | 148 | 142 | 143 | 144 | 144 | 144 | 144 | 142 |
| 5WQ | 4000K Lumens | 6,303 | 12,317 | 18,377 | 24,281 | 30,085 | 36,001 | 42,575 | 48,241 | 53,812 | 59,579 |
| | BUG Rating | B3-U0-G1 | B4-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 |
| | Lumens per Watt | 143 | 145 | 148 | 142 | 143 | 145 | 144 | 144 | 144 | 142 |
| SLL/SLR | 4000K Lumens | 5,260 | 10,276 | 15,332 | 20,259 | 25,101 | 30,037 | 35,522 | 40,249 | 44,898 | 49,708 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B2-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 |
| | Lumens per Watt | 120 | 121 | 124 | 118 | 120 | 121 | 120 | 121 | 120 | 119 |
| RW | 4000K Lumens | 6,116 | 11,952 | 17,834 | 23,563 | 29,196 | 34,938 | 41,317 | 46,817 | 52,224 | 57,819 |
| | BUG Rating | B3-U0-G1 | B3-U0-G2 | B4-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 |
| | Lumens per Watt | 139 | 141 | 144 | 138 | 139 | 140 | 140 | 140 | 140 | 138 |
| AFL | 4000K Lumens | 6,139 | 11,996 | 17,899 | 23,650 | 29,302 | 35,064 | 41,468 | 46,987 | 52,412 | 58,030 |
| | BUG Rating | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B3-U0-G2 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B4-U0-G4 | B4-U0-G4 |
| | Lumens per Watt | 140 | 141 | 144 | 138 | 140 | 141 | 141 | 141 | 140 | 138 |

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

Nominal Power Lumens (600mA)

 Supplemental Performance Guide**

| Number of Light Squares | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
|---------------------------------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Nominal Power (Watts) | 34 | 66 | 96 | 129 | 162 | 193 | 226 | 257 | 290 | 323 | |
| Input Current @ 120V (A) | 0.30 | 0.58 | 0.86 | 1.16 | 1.44 | 1.73 | 2.03 | 2.33 | 2.59 | 2.89 | |
| Input Current @ 208V (A) | 0.17 | 0.34 | 0.49 | 0.65 | 0.84 | 0.99 | 1.14 | 1.30 | 1.48 | 1.63 | |
| Input Current @ 240V (A) | 0.15 | 0.30 | 0.43 | 0.56 | 0.74 | 0.87 | 1.00 | 1.13 | 1.30 | 1.43 | |
| Input Current @ 277V (A) | 0.14 | 0.28 | 0.41 | 0.52 | 0.69 | 0.81 | 0.93 | 1.04 | 1.22 | 1.33 | |
| Input Current @ 347V (A) | 0.11 | 0.19 | 0.30 | 0.39 | 0.49 | 0.60 | 0.69 | 0.77 | 0.90 | 0.99 | |
| Input Current @ 480V (A) | 0.08 | 0.15 | 0.24 | 0.30 | 0.38 | 0.48 | 0.53 | 0.59 | 0.71 | 0.77 | |
| Optics | | | | | | | | | | | |
| T2 | 4000K Lumens | 4,787 | 9,357 | 13,961 | 18,448 | 22,856 | 27,353 | 32,347 | 36,651 | 40,884 | 45,265 |
| | BUG Rating | B1-U0-G1 | B2-U0-G2 | B2-U0-G3 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 |
| | Lumens per Watt | 141 | 142 | 145 | 143 | 141 | 142 | 143 | 143 | 141 | 140 |
| T2R | 4000K Lumens | 5,083 | 9,934 | 14,822 | 19,585 | 24,266 | 29,038 | 34,341 | 38,911 | 43,404 | 48,055 |
| | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G2 | B2-U0-G2 | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 |
| | Lumens per Watt | 150 | 151 | 154 | 152 | 150 | 150 | 152 | 151 | 150 | 149 |
| T3 | 4000K Lumens | 4,880 | 9,537 | 14,231 | 18,803 | 23,296 | 27,878 | 32,970 | 37,358 | 41,671 | 46,137 |
| | BUG Rating | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 144 | 145 | 148 | 146 | 144 | 144 | 146 | 145 | 144 | 143 |
| T3R | 4000K Lumens | 4,988 | 9,749 | 14,547 | 19,220 | 23,814 | 28,497 | 33,703 | 38,188 | 42,598 | 47,162 |
| | BUG Rating | B1-U0-G2 | B1-U0-G2 | B2-U0-G3 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 |
| | Lumens per Watt | 147 | 148 | 152 | 149 | 147 | 148 | 149 | 149 | 147 | 146 |
| T4FT | 4000K Lumens | 4,909 | 9,591 | 14,312 | 18,911 | 23,432 | 28,040 | 33,161 | 37,574 | 41,913 | 46,404 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 144 | 145 | 149 | 147 | 145 | 145 | 147 | 146 | 145 | 144 |
| T4W | 4000K Lumens | 4,845 | 9,468 | 14,128 | 18,668 | 23,130 | 27,678 | 32,732 | 37,088 | 41,371 | 45,805 |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 143 | 143 | 147 | 145 | 143 | 143 | 145 | 144 | 143 | 142 |
| SL2 | 4000K Lumens | 4,779 | 9,341 | 13,937 | 18,416 | 22,818 | 27,305 | 32,292 | 36,589 | 40,813 | 45,188 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 141 | 142 | 145 | 143 | 141 | 141 | 143 | 142 | 141 | 140 |
| SL3 | 4000K Lumens | 4,879 | 9,536 | 14,229 | 18,800 | 23,294 | 27,874 | 32,965 | 37,351 | 41,666 | 46,130 |
| | BUG Rating | B1-U0-G2 | B1-U0-G3 | B2-U0-G3 | B2-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 |
| | Lumens per Watt | 144 | 144 | 148 | 146 | 144 | 144 | 146 | 145 | 144 | 143 |
| SL4 | 4000K Lumens | 4,637 | 9,059 | 13,519 | 17,863 | 22,132 | 26,486 | 31,322 | 35,490 | 39,589 | 43,831 |
| | BUG Rating | B1-U0-G2 | B1-U0-G3 | B2-U0-G4 | B2-U0-G4 | B2-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 |
| | Lumens per Watt | 136 | 137 | 141 | 138 | 137 | 137 | 139 | 138 | 137 | 136 |
| 5NQ | 4000K Lumens | 5,033 | 9,835 | 14,676 | 19,392 | 24,026 | 28,751 | 34,002 | 38,526 | 42,975 | 47,581 |
| | BUG Rating | B2-U0-G1 | B3-U0-G1 | B3-U0-G2 | B4-U0-G2 | B4-U0-G2 | B4-U0-G2 | B5-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G3 |
| | Lumens per Watt | 148 | 149 | 153 | 150 | 148 | 149 | 150 | 150 | 148 | 147 |
| 5MQ | 4000K Lumens | 5,126 | 10,015 | 14,946 | 19,747 | 24,468 | 29,281 | 34,628 | 39,236 | 43,766 | 48,457 |
| | BUG Rating | B3-U0-G1 | B3-U0-G2 | B4-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 |
| | Lumens per Watt | 151 | 152 | 156 | 153 | 151 | 152 | 153 | 153 | 151 | 150 |
| 5WQ | 4000K Lumens | 5,139 | 10,043 | 14,985 | 19,801 | 24,533 | 29,359 | 34,721 | 39,339 | 43,883 | 48,586 |
| | BUG Rating | B3-U0-G1 | B4-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 | B5-U0-G5 | B5-U0-G5 |
| | Lumens per Watt | 151 | 152 | 156 | 153 | 151 | 152 | 154 | 153 | 151 | 150 |
| SLL/SLR | 4000K Lumens | 4,289 | 8,380 | 12,502 | 16,520 | 20,469 | 24,494 | 28,967 | 32,823 | 36,613 | 40,537 |
| | BUG Rating | B1-U0-G2 | B1-U0-G3 | B2-U0-G3 | B2-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 |
| | Lumens per Watt | 126 | 127 | 130 | 128 | 126 | 127 | 128 | 128 | 126 | 126 |
| RW | 4000K Lumens | 4,987 | 9,746 | 14,543 | 19,215 | 23,808 | 28,491 | 33,695 | 38,178 | 42,587 | 47,151 |
| | BUG Rating | B2-U0-G1 | B3-U0-G1 | B4-U0-G2 | B4-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 |
| | Lumens per Watt | 147 | 148 | 151 | 149 | 147 | 148 | 149 | 149 | 147 | 146 |
| AFL | 4000K Lumens | 5,007 | 9,782 | 14,597 | 19,285 | 23,896 | 28,594 | 33,817 | 38,317 | 42,742 | 47,322 |
| | BUG Rating | B1-U0-G1 | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B3-U0-G2 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 |
| | Lumens per Watt | 147 | 148 | 152 | 149 | 148 | 148 | 150 | 149 | 147 | 147 |

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

3000K CCT, 70 CRI

 Supplemental Performance Guide™

| Number of Light Squares | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
|-------------------------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Drive Current | 1200mA | 1200mA | 1200mA | 1200mA | 1200mA | 1200mA | 1200mA | 1200mA | 1200mA | 1200mA | |
| Optics | | | | | | | | | | | |
| T2 | Lumens | 7,260 | 14,189 | 21,168 | 27,972 | 34,656 | 41,473 | 49,048 | 55,573 | 61,992 | 68,634 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 108 | 110 | 111 | 108 | 108 | 109 | 109 | 109 | 108 | 107 |
| T2R | Lumens | 7,707 | 15,062 | 22,475 | 29,696 | 36,793 | 44,029 | 52,070 | 58,998 | 65,812 | 72,864 |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 115 | 117 | 118 | 115 | 115 | 115 | 116 | 115 | 114 | 114 |
| T3 | Lumens | 7,399 | 14,460 | 21,577 | 28,509 | 35,323 | 42,272 | 49,991 | 56,643 | 63,185 | 69,957 |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 110 | 112 | 113 | 111 | 110 | 111 | 112 | 111 | 110 | 109 |
| T3R | Lumens | 7,565 | 14,783 | 22,057 | 29,143 | 36,109 | 43,210 | 51,103 | 57,902 | 64,589 | 71,509 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 113 | 115 | 115 | 113 | 113 | 113 | 114 | 113 | 112 | 112 |
| T4FT | Lumens | 7,443 | 14,544 | 21,703 | 28,676 | 35,529 | 42,517 | 50,281 | 56,970 | 63,549 | 70,361 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 111 | 113 | 114 | 111 | 111 | 111 | 112 | 111 | 111 | 110 |
| T4W | Lumens | 7,347 | 14,356 | 21,422 | 28,304 | 35,070 | 41,967 | 49,632 | 56,235 | 62,729 | 69,452 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 110 | 111 | 112 | 110 | 110 | 110 | 111 | 110 | 109 | 109 |
| SL2 | Lumens | 7,247 | 14,163 | 21,134 | 27,924 | 34,596 | 41,402 | 48,961 | 55,479 | 61,883 | 68,515 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 108 | 110 | 111 | 108 | 108 | 108 | 109 | 109 | 108 | 107 |
| SL3 | Lumens | 7,398 | 14,458 | 21,573 | 28,506 | 35,320 | 42,265 | 49,984 | 56,636 | 63,176 | 69,946 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 110 | 112 | 113 | 110 | 110 | 111 | 112 | 111 | 110 | 109 |
| SL4 | Lumens | 7,029 | 13,739 | 20,499 | 27,085 | 33,559 | 40,159 | 47,491 | 53,812 | 60,026 | 66,460 |
| | BUG Rating | B1-U0-G3 | B2-U0-G4 | B2-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 105 | 107 | 107 | 105 | 105 | 105 | 106 | 105 | 104 | 104 |
| 5NQ | Lumens | 7,631 | 14,914 | 22,252 | 29,403 | 36,429 | 43,594 | 51,555 | 58,415 | 65,161 | 72,145 |
| | BUG Rating | B3-U0-G1 | B3-U0-G2 | B4-U0-G2 | B5-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 |
| | Lumens per Watt | 114 | 116 | 117 | 114 | 114 | 114 | 115 | 114 | 113 | 113 |
| 5MQ | Lumens | 7,773 | 15,187 | 22,662 | 29,944 | 37,100 | 44,397 | 52,504 | 59,491 | 66,360 | 73,474 |
| | BUG Rating | B3-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 |
| | Lumens per Watt | 116 | 118 | 119 | 116 | 116 | 116 | 117 | 116 | 115 | 115 |
| 5WQ | Lumens | 7,792 | 15,228 | 22,722 | 30,023 | 37,200 | 44,516 | 52,644 | 59,649 | 66,538 | 73,670 |
| | BUG Rating | B3-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 |
| | Lumens per Watt | 116 | 118 | 119 | 116 | 116 | 117 | 118 | 117 | 116 | 115 |
| SLL/SLR | Lumens | 6,503 | 12,705 | 18,958 | 25,050 | 31,037 | 37,140 | 43,923 | 49,767 | 55,516 | 61,464 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B2-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 97 | 98 | 99 | 97 | 97 | 97 | 98 | 97 | 97 | 96 |
| RW | Lumens | 7,564 | 14,778 | 22,052 | 29,137 | 36,100 | 43,200 | 51,089 | 57,889 | 64,574 | 71,494 |
| | BUG Rating | B3-U0-G1 | B4-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 | B5-U0-G5 |
| | Lumens per Watt | 113 | 115 | 115 | 113 | 113 | 113 | 114 | 113 | 112 | 112 |
| AFL | Lumens | 7,591 | 14,832 | 22,132 | 29,243 | 36,231 | 43,357 | 51,275 | 58,098 | 64,808 | 71,753 |
| | BUG Rating | B1-U0-G1 | B2-U0-G2 | B3-U0-G2 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B4-U0-G4 | B4-U0-G4 | B4-U0-G4 | B4-U0-G4 |
| | Lumens per Watt | 113 | 115 | 116 | 113 | 113 | 114 | 114 | 114 | 113 | 112 |

3000K CCT, 70 CRI

 Supplemental Performance Guide™

| Number of Light Squares | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
|-------------------------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Drive Current | 1050mA | 1050mA | 1050mA | 1050mA | 1050mA | 1050mA | 1050mA | 1050mA | 1050mA | 1050mA | |
| Optics | | | | | | | | | | | |
| T2 | Lumens | 6,618 | 12,933 | 19,299 | 25,498 | 31,593 | 37,807 | 44,711 | 50,660 | 56,510 | 62,567 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 112 | 114 | 116 | 113 | 113 | 114 | 114 | 114 | 113 | 112 |
| T2R | Lumens | 7,027 | 13,730 | 20,488 | 27,069 | 33,540 | 40,137 | 47,467 | 53,783 | 59,994 | 66,423 |
| | BUG Rating | B1-U0-G1 | B2-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 119 | 122 | 123 | 120 | 120 | 121 | 121 | 121 | 120 | 119 |
| T3 | Lumens | 6,746 | 13,182 | 19,669 | 25,991 | 32,200 | 38,534 | 45,571 | 51,634 | 57,598 | 63,771 |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 114 | 117 | 118 | 116 | 115 | 116 | 117 | 116 | 115 | 114 |
| T3R | Lumens | 6,895 | 13,476 | 20,106 | 26,567 | 32,917 | 39,389 | 46,584 | 52,783 | 58,879 | 65,187 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 117 | 119 | 121 | 118 | 118 | 118 | 119 | 119 | 118 | 117 |
| T4FT | Lumens | 6,785 | 13,258 | 19,783 | 26,141 | 32,387 | 38,756 | 45,836 | 51,935 | 57,931 | 64,140 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 115 | 117 | 119 | 116 | 116 | 116 | 117 | 117 | 116 | 115 |
| T4W | Lumens | 6,698 | 13,088 | 19,527 | 25,803 | 31,969 | 38,257 | 45,243 | 51,264 | 57,184 | 63,312 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 114 | 116 | 118 | 115 | 115 | 115 | 116 | 115 | 114 | 113 |
| SL2 | Lumens | 6,606 | 12,911 | 19,265 | 25,455 | 31,538 | 37,742 | 44,634 | 50,573 | 56,412 | 62,458 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 112 | 114 | 116 | 113 | 113 | 113 | 114 | 114 | 113 | 112 |
| SL3 | Lumens | 6,745 | 13,180 | 19,668 | 25,985 | 32,197 | 38,529 | 45,564 | 51,627 | 57,590 | 63,761 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B2-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 114 | 117 | 118 | 115 | 115 | 116 | 117 | 116 | 115 | 114 |
| SL4 | Lumens | 6,408 | 12,524 | 18,687 | 24,690 | 30,591 | 36,608 | 43,292 | 49,053 | 54,720 | 60,583 |
| | BUG Rating | B1-U0-G3 | B1-U0-G3 | B2-U0-G4 | B2-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 |
| | Lumens per Watt | 109 | 111 | 113 | 110 | 110 | 110 | 111 | 110 | 109 | 109 |
| 5NQ | Lumens | 6,957 | 13,596 | 20,285 | 26,803 | 33,209 | 39,740 | 46,997 | 53,250 | 59,401 | 65,767 |
| | BUG Rating | B3-U0-G1 | B3-U0-G2 | B4-U0-G2 | B4-U0-G2 | B5-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 |
| | Lumens per Watt | 118 | 120 | 122 | 119 | 119 | 119 | 120 | 120 | 119 | 118 |
| 5MQ | Lumens | 7,085 | 13,845 | 20,658 | 27,295 | 33,821 | 40,471 | 47,861 | 54,231 | 60,494 | 66,978 |
| | BUG Rating | B3-U0-G1 | B4-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 |
| | Lumens per Watt | 120 | 123 | 124 | 121 | 121 | 122 | 122 | 122 | 121 | 120 |
| 5WQ | Lumens | 7,103 | 13,881 | 20,714 | 27,369 | 33,910 | 40,580 | 47,990 | 54,377 | 60,655 | 67,156 |
| | BUG Rating | B3-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 |
| | Lumens per Watt | 120 | 123 | 125 | 122 | 122 | 122 | 123 | 122 | 121 | 120 |
| SLL/SLR | Lumens | 5,928 | 11,582 | 17,282 | 22,835 | 28,293 | 33,855 | 40,040 | 45,368 | 50,606 | 56,030 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B2-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 100 | 102 | 104 | 101 | 101 | 102 | 102 | 102 | 101 | 100 |
| RW | Lumens | 6,895 | 13,471 | 20,102 | 26,560 | 32,910 | 39,381 | 46,571 | 52,770 | 58,864 | 65,172 |
| | BUG Rating | B3-U0-G1 | B3-U0-G2 | B4-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 |
| | Lumens per Watt | 117 | 119 | 121 | 118 | 118 | 118 | 119 | 119 | 117 | 117 |
| AFL | Lumens | 6,919 | 13,521 | 20,176 | 26,657 | 33,028 | 39,525 | 46,741 | 52,961 | 59,078 | 65,409 |
| | BUG Rating | B1-U0-G1 | B2-U0-G2 | B3-U0-G2 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B4-U0-G4 | B4-U0-G4 | B4-U0-G4 |
| | Lumens per Watt | 117 | 120 | 122 | 118 | 118 | 119 | 120 | 119 | 118 | 117 |

3000K CCT, 70 CRI

 Supplemental Performance Guide**

| Number of Light Squares | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
|-------------------------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Drive Current | 800mA | 800mA | 800mA | 800mA | 800mA | 800mA | 800mA | 800mA | 800mA | 800mA | |
| Optics | | | | | | | | | | | |
| T2 | Lumens | 5,347 | 10,448 | 15,592 | 20,601 | 25,525 | 30,547 | 36,124 | 40,930 | 45,656 | 50,550 |
| | BUG Rating | B1-U0-G1 | B2-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 122 | 123 | 126 | 120 | 122 | 123 | 122 | 123 | 122 | 121 |
| T2R | Lumens | 5,677 | 11,093 | 16,553 | 21,872 | 27,097 | 32,428 | 38,351 | 43,452 | 48,470 | 53,666 |
| | BUG Rating | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 129 | 131 | 133 | 128 | 129 | 130 | 130 | 130 | 130 | 128 |
| T3 | Lumens | 5,451 | 10,651 | 15,892 | 20,997 | 26,015 | 31,133 | 36,819 | 41,718 | 46,536 | 51,522 |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 124 | 125 | 128 | 123 | 124 | 125 | 125 | 125 | 124 | 123 |
| T3R | Lumens | 5,571 | 10,888 | 16,244 | 21,465 | 26,595 | 31,824 | 37,637 | 42,645 | 47,571 | 52,667 |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 127 | 128 | 131 | 126 | 127 | 128 | 128 | 128 | 127 | 126 |
| T4FT | Lumens | 5,481 | 10,712 | 15,983 | 21,120 | 26,167 | 31,313 | 37,032 | 41,959 | 46,805 | 51,821 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B2-U0-G3 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 125 | 126 | 129 | 124 | 125 | 126 | 126 | 126 | 125 | 124 |
| T4W | Lumens | 5,411 | 10,573 | 15,776 | 20,846 | 25,830 | 30,908 | 36,554 | 41,418 | 46,201 | 51,152 |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 123 | 124 | 127 | 122 | 123 | 124 | 124 | 124 | 124 | 122 |
| SL2 | Lumens | 5,338 | 10,430 | 15,565 | 20,566 | 25,482 | 30,493 | 36,061 | 40,860 | 45,578 | 50,463 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 121 | 123 | 126 | 120 | 121 | 122 | 122 | 122 | 122 | 120 |
| SL3 | Lumens | 5,450 | 10,650 | 15,888 | 20,995 | 26,013 | 31,130 | 36,814 | 41,712 | 46,529 | 51,516 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 124 | 125 | 128 | 123 | 124 | 125 | 125 | 125 | 124 | 123 |
| SL4 | Lumens | 5,177 | 10,118 | 15,096 | 19,949 | 24,716 | 29,577 | 34,978 | 39,633 | 44,211 | 48,947 |
| | BUG Rating | B1-U0-G2 | B1-U0-G3 | B2-U0-G4 | B2-U0-G5 | B2-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 |
| | Lumens per Watt | 118 | 119 | 122 | 117 | 118 | 119 | 119 | 119 | 118 | 117 |
| 5NQ | Lumens | 5,621 | 10,984 | 16,388 | 21,655 | 26,831 | 32,108 | 37,971 | 43,023 | 47,992 | 53,136 |
| | BUG Rating | B2-U0-G1 | B3-U0-G1 | B3-U0-G2 | B4-U0-G2 | B4-U0-G2 | B5-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 |
| | Lumens per Watt | 128 | 129 | 132 | 127 | 128 | 129 | 129 | 129 | 128 | 127 |
| 5MQ | Lumens | 5,725 | 11,186 | 16,690 | 22,053 | 27,324 | 32,699 | 38,670 | 43,816 | 48,875 | 54,114 |
| | BUG Rating | B3-U0-G1 | B4-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 | B5-U0-G5 |
| | Lumens per Watt | 130 | 132 | 135 | 129 | 130 | 131 | 131 | 131 | 131 | 129 |
| 5WQ | Lumens | 5,740 | 11,217 | 16,736 | 22,113 | 27,397 | 32,786 | 38,774 | 43,931 | 49,006 | 54,258 |
| | BUG Rating | B3-U0-G1 | B4-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 |
| | Lumens per Watt | 130 | 132 | 135 | 129 | 130 | 132 | 131 | 132 | 131 | 129 |
| SLL/SLR | Lumens | 4,790 | 9,358 | 13,964 | 18,449 | 22,859 | 27,355 | 32,349 | 36,654 | 40,887 | 45,269 |
| | BUG Rating | B1-U0-G2 | B1-U0-G3 | B2-U0-G3 | B2-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 |
| | Lumens per Watt | 109 | 110 | 113 | 108 | 109 | 110 | 110 | 110 | 109 | 108 |
| RW | Lumens | 5,570 | 10,883 | 16,242 | 21,459 | 26,588 | 31,818 | 37,627 | 42,635 | 47,559 | 52,655 |
| | BUG Rating | B2-U0-G1 | B3-U0-G2 | B4-U0-G2 | B4-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 |
| | Lumens per Watt | 127 | 128 | 131 | 125 | 127 | 128 | 128 | 128 | 127 | 126 |
| AFL | Lumens | 5,590 | 10,924 | 16,301 | 21,537 | 26,684 | 31,933 | 37,765 | 42,791 | 47,731 | 52,847 |
| | BUG Rating | B1-U0-G1 | B2-U0-G1 | B2-U0-G2 | B3-U0-G2 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B4-U0-G4 |
| | Lumens per Watt | 127 | 129 | 131 | 126 | 127 | 128 | 128 | 128 | 128 | 126 |

3000K CCT, 70 CRI

 Supplemental Performance Guide™

| Number of Light Squares | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
|-------------------------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Drive Current | 615mA | 615mA | 615mA | 615mA | 615mA | 615mA | 615mA | 615mA | 615mA | 615mA | |
| Optics | | | | | | | | | | | |
| T2 | Lumens | 4,359 | 8,520 | 12,714 | 16,801 | 20,816 | 24,910 | 29,458 | 33,378 | 37,232 | 41,222 |
| | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G3 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 |
| | Lumens per Watt | 128 | 129 | 132 | 130 | 128 | 129 | 130 | 130 | 128 | 128 |
| T2R | Lumens | 4,630 | 9,046 | 13,498 | 17,836 | 22,099 | 26,445 | 31,274 | 35,435 | 39,528 | 43,763 |
| | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G2 | B2-U0-G2 | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 |
| | Lumens per Watt | 136 | 137 | 141 | 138 | 136 | 137 | 138 | 138 | 136 | 135 |
| T3 | Lumens | 4,445 | 8,686 | 12,960 | 17,123 | 21,215 | 25,389 | 30,025 | 34,021 | 37,948 | 42,016 |
| | BUG Rating | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 |
| | Lumens per Watt | 131 | 132 | 135 | 133 | 131 | 132 | 133 | 132 | 131 | 130 |
| T3R | Lumens | 4,543 | 8,879 | 13,248 | 17,504 | 21,687 | 25,953 | 30,693 | 34,777 | 38,793 | 42,950 |
| | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 |
| | Lumens per Watt | 134 | 135 | 138 | 136 | 134 | 134 | 136 | 135 | 134 | 133 |
| T4FT | Lumens | 4,471 | 8,735 | 13,034 | 17,222 | 21,338 | 25,535 | 30,199 | 34,218 | 38,170 | 42,260 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B2-U0-G3 | B2-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 |
| | Lumens per Watt | 132 | 132 | 136 | 134 | 132 | 132 | 134 | 133 | 132 | 131 |
| T4W | Lumens | 4,412 | 8,622 | 12,865 | 17,000 | 21,063 | 25,205 | 29,809 | 33,776 | 37,676 | 41,713 |
| | BUG Rating | B1-U0-G1 | B2-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 130 | 131 | 134 | 132 | 130 | 131 | 132 | 131 | 130 | 129 |
| SL2 | Lumens | 4,352 | 8,507 | 12,693 | 16,771 | 20,780 | 24,866 | 29,407 | 33,320 | 37,168 | 41,152 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 |
| | Lumens per Watt | 128 | 129 | 132 | 130 | 128 | 129 | 130 | 130 | 128 | 127 |
| SL3 | Lumens | 4,444 | 8,685 | 12,957 | 17,121 | 21,214 | 25,385 | 30,021 | 34,014 | 37,945 | 42,010 |
| | BUG Rating | B1-U0-G2 | B1-U0-G3 | B2-U0-G3 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 |
| | Lumens per Watt | 131 | 132 | 135 | 133 | 131 | 132 | 133 | 132 | 131 | 130 |
| SL4 | Lumens | 4,223 | 8,251 | 12,312 | 16,267 | 20,157 | 24,120 | 28,524 | 32,320 | 36,053 | 39,915 |
| | BUG Rating | B1-U0-G2 | B1-U0-G3 | B1-U0-G3 | B2-U0-G4 | B2-U0-G5 | B2-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 |
| | Lumens per Watt | 124 | 125 | 128 | 126 | 124 | 125 | 126 | 126 | 124 | 124 |
| 5NQ | Lumens | 4,584 | 8,957 | 13,365 | 17,661 | 21,880 | 26,183 | 30,964 | 35,085 | 39,136 | 43,331 |
| | BUG Rating | B2-U0-G1 | B3-U0-G1 | B3-U0-G2 | B4-U0-G2 | B4-U0-G2 | B4-U0-G2 | B5-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G3 |
| | Lumens per Watt | 135 | 136 | 139 | 137 | 135 | 136 | 137 | 137 | 135 | 134 |
| 5MQ | Lumens | 4,669 | 9,121 | 13,611 | 17,984 | 22,283 | 26,665 | 31,536 | 35,731 | 39,858 | 44,129 |
| | BUG Rating | B3-U0-G1 | B3-U0-G2 | B4-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 |
| | Lumens per Watt | 137 | 138 | 142 | 139 | 138 | 138 | 140 | 139 | 137 | 137 |
| 5WQ | Lumens | 4,679 | 9,147 | 13,647 | 18,033 | 22,342 | 26,737 | 31,620 | 35,825 | 39,963 | 44,246 |
| | BUG Rating | B3-U0-G1 | B4-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 | B5-U0-G5 |
| | Lumens per Watt | 138 | 139 | 142 | 140 | 138 | 139 | 140 | 139 | 138 | 137 |
| SLL/SLR | Lumens | 3,906 | 7,631 | 11,386 | 15,046 | 18,641 | 22,307 | 26,380 | 29,891 | 33,343 | 36,917 |
| | BUG Rating | B1-U0-G2 | B1-U0-G3 | B2-U0-G3 | B2-U0-G4 | B2-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 |
| | Lumens per Watt | 115 | 116 | 119 | 117 | 115 | 116 | 117 | 116 | 115 | 114 |
| RW | Lumens | 4,542 | 8,875 | 13,244 | 17,499 | 21,682 | 25,946 | 30,685 | 34,768 | 38,784 | 42,940 |
| | BUG Rating | B2-U0-G1 | B3-U0-G1 | B3-U0-G2 | B4-U0-G2 | B4-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 |
| | Lumens per Watt | 134 | 134 | 138 | 136 | 134 | 134 | 136 | 135 | 134 | 133 |
| AFL | Lumens | 4,558 | 8,909 | 13,293 | 17,563 | 21,760 | 26,040 | 30,797 | 34,895 | 38,924 | 43,095 |
| | BUG Rating | B1-U0-G1 | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B3-U0-G2 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 |
| | Lumens per Watt | 134 | 135 | 138 | 136 | 134 | 135 | 136 | 136 | 134 | 133 |

Control Options

0-10V (DIM)

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (BPC, PR and PR7)

Optional button-type photocontrol (BPC) and photocontrol receptacles (PR and PR7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PR7 receptacle.

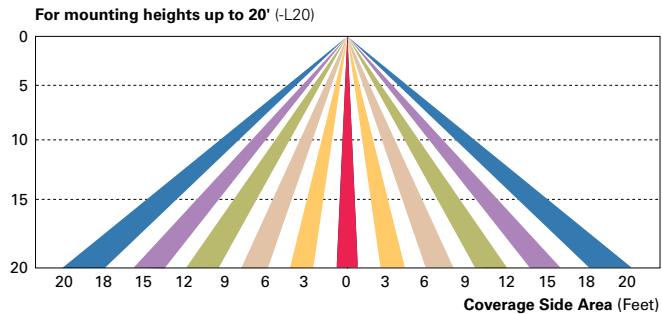
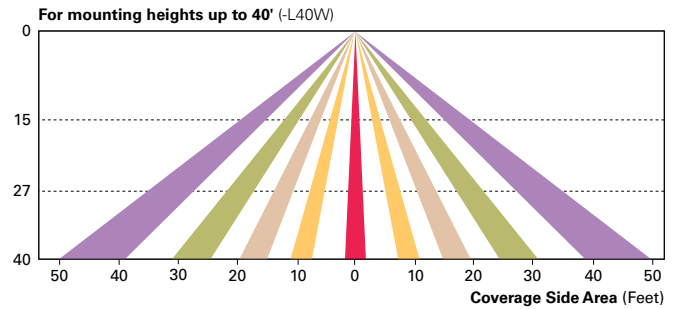
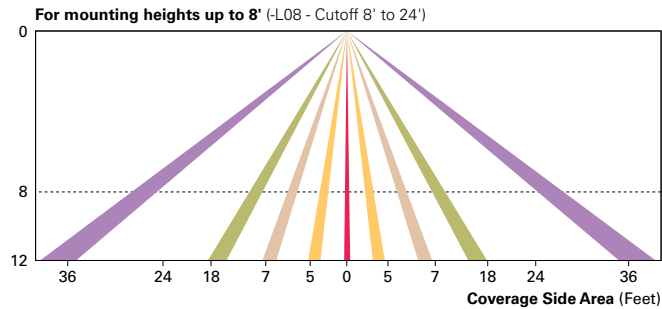
After Hours Dim (AHD)

This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (MS/DIM-LXX, MS/X-LXX and MS-LXX)

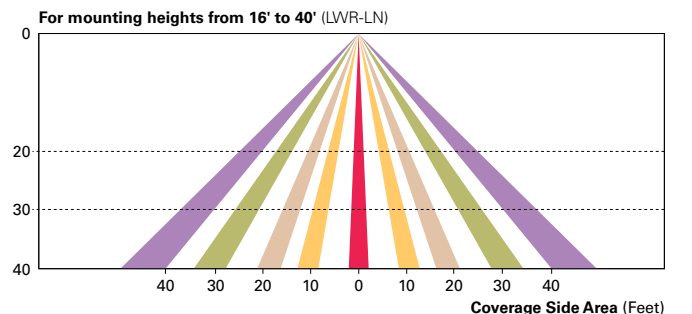
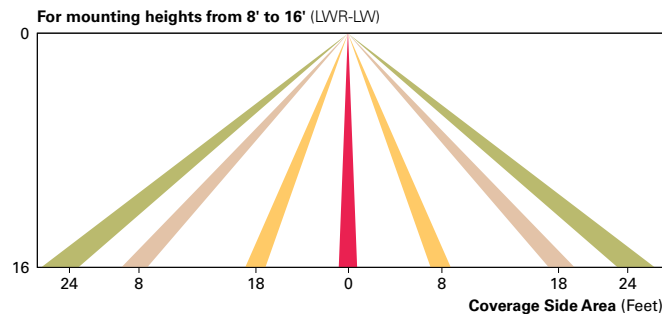
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage. pattern for mounting heights from 8'-40'.



Enlighted Wireless Control and Monitoring System (LWR-LW and LWR-LN)

Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.



WaveLinx Wireless Outdoor Lighting Control Module (WOLC-7P-10A)

The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

LumenSafe Integrated Network Security Camera (LD)

Cooper Lighting Solutions brings ease of camera deployment to a whole new level. No additional wiring is needed beyond providing line power to the luminaire. A variety of networking options allows security integrators to design the optimal solution for active surveillance. As the ideal solution to meet the needs for active surveillance, the LumenSafe integrated network camera is a streamlined, outdoor-ready fixed dome that provides HDTV 1080p video. This IP camera is optimally designed for deployment in the video management system or security software platform of choice.

Synapse (DIM10)

SimplySNAP integrated wireless controls system by Synapse. Includes factory installed DIM10 Synapse control module and FSP-201 motion sensor; requires additional Synapse system components for operation. Contact Synapse at www.synapsewireless.com for product support, warranty and terms and conditions.