



City of Tacoma, WA

**CITY OF TACOMA / TACOMA PUBLIC UTILITIES
TRANSMISSION AND DISTRIBUTION**

REQUEST FOR BIDS

LED LUMINAIRES AND ACCESSORIES

SPECIFICATION NO. PT21-0680F



**City of Tacoma
Tacoma Power / Transmission and Distribution**

**REQUEST FOR BIDS PT21-0680F
LED Luminaires and Accessories**

Submittal Deadline: 11:00 a.m., Pacific Time, Tuesday, January 25, 2022

Submittals must be received by the City's Procurement and Payables Division prior to 11:00 a.m. Pacific Time. For electronic submittals, the City of Tacoma will designate the time of receipt recorded by our email, bids@cityoftacoma.org, as the official time of receipt. This clock will be used as the official time of receipt of all parts of electronic bid submittals.

Submittal Delivery: Sealed submittals will be received as follows:

By Email:

bids@cityoftacoma.org

Maximum file size: 35 MB. Multiple emails may be sent for each submittal.

Bid Opening: Held virtually each Tuesday at 11AM. Attend [via this link](#) or call 1 (253) 215 8782.

Submittals in response to a RFB will be recorded as received. As soon as possible, after 1:00 PM, on the day of submittal deadline, preliminary results will be posted to www.TacomaPurchasing.org.

Solicitation Documents: An electronic copy of the complete solicitation documents may be viewed and obtained by accessing the City of Tacoma Purchasing website at www.TacomaPurchasing.org.

- [Register for the Bid Holders List](#) to receive notices of addenda, questions and answers and related updates.
- Click here to see a [list of vendors registered for this solicitation](#).

Pre-Proposal Meeting: A pre-proposal meeting will not be held.

Project Scope: Supply of outdoor LED luminaires and accessories on an as-needed basis.

Estimate: \$395,000 (initial three-year term)

Paid Sick Leave: The City of Tacoma requires all employers to provide paid sick leave as set forth in Title 18 of the Tacoma Municipal Code. For more information, visit [our Minimum Employment Standards Paid Sick Leave webpage](#).

Americans with Disabilities Act (ADA Information: The City of Tacoma, in accordance with Section 504 of the Rehabilitation Act (Section 504) and the Americans with Disabilities Act (ADA), commits to nondiscrimination on the basis of disability, in all of its programs and activities. Specification materials can be made available in an alternate format by emailing Gail Himes at ghimes@cityoftacoma.org, or by calling her collect at 253-591-5785.

Title VI Information:

"The City of Tacoma" in accordance with provisions of Title VI of the Civil Rights Act of 1964, (78 Stat. 252, 42 U.S.C. sections 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, national origin in consideration of award.

Additional Information: Requests for information regarding the specifications may be obtained by contacting Seth Hartz, Senior Buyer by email to shartz@cityoftacoma.org

Protest Policy: City of Tacoma [protest policy](#), located at www.tacomapurchasing.org, specifies procedures for protests submitted prior to and after submittal deadline.



Meeting sites are accessible to persons with disabilities. Reasonable accommodations for persons with disabilities can be arranged with 48 hours advance notice by calling 253-502-8468.

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SUBMITTAL CHECKLIST

This checklist identifies items to be included with your submittal. Any submittal received without these required items may be deemed non-responsive and may not be considered for award. Please do not include the entire specification document with your submittal.

Submittals must be received by the City of Tacoma Purchasing Division by the date and time specified in the Request for Bids page at the front of this Specification or subsequent addenda.

The following items, in this order, make up your submittal package:		
1	One electronic copy of your complete submittal package in PDF format. Alternate proposals shall be submitted as separate bids and labeled as such per Section 1.03.2.	
2	Signature Page with <u>signature</u> , including acknowledgement of any addenda. This form is intended to serve as the first page of your submittal after the Title Page. Do not alter it in any way or add it to letterhead paper or present cover letters or blank pages ahead of it.	
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8	Items to be Included with Bid - Section 1.04 <ul style="list-style-type: none"> > Product Data Sheets > Manufacturer's Quality Assurance Policy 	

SUBMITTAL INSTRUCTIONS

PRE-SUBMITTAL QUESTIONS

- A. Questions and requests for clarification of these Specifications may be submitted in writing by **3:00 p.m., Pacific Time, January 13, 2022**, via email addressed to the Purchasing contact below. Questions received after this date and time may not be answered.
1. Please indicate the specification number and title in the email subject line.
 2. Present your questions in MS Word format or directly in the body of the email message. If applicable, cross reference the specific section of the RFB.
 3. Questions will not be accepted by telephone or fax.
 4. Questions marked confidential will not be answered.
 5. Individual answers will not be provided directly to Respondents.
 6. The City reserves the discretion to group similar questions to provide a single answer or not to respond when the requested information is confidential.
 7. The City will not be responsible for unsuccessful submittal of questions.
- B. Written answers to all questions will be posted on the Purchasing website at www.TacomaPurchasing.org on or about **January 18, 2022**. Navigate to *Contracting Opportunities / Supplies*, and scroll to this RFB. A notice will not be posted with the Specification if no questions are received.
- C. The answers are not typically considered an addendum.
- D. To receive notice of the posted answers, you must register as “bid holder” for this solicitation.

Communication	Addressee
For all questions regarding Specification PT21-0680F	Seth Hartz Senior Buyer shartz@cityoftacoma.org - email

SUBSTITUTION REQUESTS

- A. If the Respondent elects to bid alternative equipment, materials, or processes where allowed, a Substitution Request Form (Appendix #1) must be submitted by email to Seth Hartz, shartz@cityoftacoma.org, a minimum of **ten (10) business days** prior to the submittal deadline. Substitution Request Forms received after this time will not be accepted. Respondents will be notified of an approved or rejected Substitution Request Form no later than **five (5) business days** prior to the submittal deadline. See Sections 1.03.2B and 1.03.2C.

REVISIONS TO SPECIFICATION

- A. All revisions to this specification will be in the form of written addenda, and no oral revision should be relied upon for any purpose. In the event it becomes necessary to revise any part of this RFB, addenda will be issued to registered planholders and posted on the Purchasing website at www.TacomaPurchasing.org: Navigate to Current Contracting Opportunities / Supplies Solicitations, and scroll to this RFB. Failure to acknowledge addenda may result in a submittal being deemed non-responsive.

SIGNATURE PAGE

CITY OF TACOMA TACOMA POWER / TRANSMISSION AND DISTRIBUTION

All submittals must be in ink or typewritten, executed by a duly authorized officer or representative of the bidding/proposing entity, and received and time stamped as directed in the **Request for Bids page near the beginning of the specification**. If the bidder/proposer is a subsidiary or doing business on behalf of another entity, so state, and provide the firm name under which business is hereby transacted.

REQUEST FOR BIDS SPECIFICATION NO. PT21-0680F LED Luminaires and Accessories

The undersigned bidder/proposer hereby agrees to execute the proposed contract and furnish all materials, labor, tools, equipment and all other facilities and services in accordance with these specifications.

The bidder/proposer agrees, by submitting a bid/proposal under these specifications, that in the event any litigation should arise concerning the submission of bids/proposals or the award of contract under this specification, Request for Bids, Request for Proposals or Request for Qualifications, the venue of such action or litigation shall be in the Superior Court of the State of Washington, in and for the County of Pierce.

Non-Collusion Declaration

The undersigned bidder/proposer hereby certifies under penalty of perjury that this bid/proposal is genuine and not a sham or collusive bid/proposal, or made in the interests or on behalf of any person or entity not herein named; and that said bidder/proposer has not directly or indirectly induced or solicited any contractor or supplier on the above work to put in a sham bid/proposal or any person or entity to refrain from submitting a bid/proposal; and that said bidder/proposer has not, in any manner, sought by collusion to secure to itself an advantage over any other contractor(s) or person(s).

Bidder/Proposer's Registered Name

Signature of Person Authorized to Enter Date
into Contracts for Bidder/Proposer

Address

Printed Name and Title

City, State, Zip

(Area Code) Telephone Number / Fax Number

Authorized Signatory E-Mail Address

State Business License Number
in WA, also known as UBI (Unified Business Identifier) Number

E.I.No. / Federal Social Security Number Used on Quarterly
Federal Tax Return, U.S. Treasury Dept. Form 941

State Contractor's License Number
(See Ch. 18.27, R.C.W.)

E-Mail Address for Communications

Addendum acknowledgement #1_____ #2_____ #3_____ #4_____ #5_____

THIS PAGE MUST BE SIGNED AND RETURNED WITH SUBMITTAL.



Material Specification PT21-0680F
LED Luminaires and Accessories

Respondent

PROPOSAL – PRICING SHEET

Item #	Item Description	Tacoma Power MID#	Estimated 3-year Usage	MFG*	Catalog Number*	Unit Price <u>Each</u>	Total Price FOB Destination (Qty X Unit Price)
1	LUMINAIRE,LED,70W, DOMED LENS,W/EYE	71207	1,320			\$	\$
2	SHIELD,LUMINAIRE,LED	71895	90			\$	\$
Sub-total of All Items							\$
Sales Tax @ 10.3%, Location Tax Collected: Tacoma, WA (Note Paragraph 1.41 of Standard Terms and Conditions)							\$
Total for All Items with Tax:							\$

**See Section 2.08 for a list of current approved manufacturer part numbers. Submittals for alternate materials will be evaluated per Section 1.03.2.*



PROPOSAL – SHIPPING DATA

Item No.	Conductor Range	Tacoma Power MID #	Standard Packaging (Units per Package)	Lead Time	Minimum Release Quantity
1	LUMINAIRE,LED,70W, DOMED LENS,W/EYE	71207		wks	
2	SHIELD,LUMINAIRE,LED	71895		wks	

NOTES:

1. Quantities listed on the Proposal Pricing Sheets are an estimate only. Actual quantities will be according to purchase order on an as-needed basis.
2. All prices shall be submitted as F.O.B. Destination, freight prepaid and allowed (included in the unit price).
3. If the unit price does not compute to the extended total price, the unit price shall govern.



PROPOSAL – VENDOR INQUIRY

1. **Does your firm accept payment by EFT/ACH? ____Y ____N**
(Electronic Funds Transfer (EFT) by Automated Clearing House (ACH))

2. **Does your firm accept payment by credit card (Visa)? ____Y ____N**
NOTE: The City of Tacoma will not accept price changes or pay additional fees when a credit card is used.

3. **Prompt Payment discount offered ____%, ____ days.**
Only discounts offered of 20 days or more will be considered for bid evaluation purposes.



PROPOSAL – SUPPLIER QUALIFICATION

Manufacturer	Manufacturing Locations

1. State the number of years the manufacturer has been producing products of a similar scope to those outlined in this Specification. See Section 1.01.3 for minimum qualifications allowed.

	Years
--	--------------

2. Can your firm provide “Manufacturing Representation” as described in Section 1.01.3C of this Specification?

YES	
NO	

Name of Representative : _____

PROPOSAL – REFERENCES DATA SHEET

(AS DESCRIBED IN SECTION 1.01.3A)

Five (5) references are the minimum allowed

UTILITY NAME AND ADDRESS	YEAR PRODUCT SOLD	CONTACT NAME	TELEPHONE NUMBER

SUB-VENDOR DATA SHEET

(AS DESCRIBED IN SECTION 1.01.4)

SUB-VENDOR NAME AND ADDRESS	CONTACT NAME	TELEPHONE NUMBER	DESCRIPTION OF WORK PROVIDED

SECTION I – SPECIAL PROVISIONS

1.01 - SCOPE OF BID

1.01.1 - PURPOSE

The City of Tacoma (City) / Tacoma Public Utilities (TPU), Tacoma Power is soliciting bids to establish a multi-year supply contract for outdoor type, LED Luminaires and Accessories. The materials outlined in this specification are intended for Tacoma Power's off-street lighting program.

1.01.1A - AWARD OF CONTRACT

With this solicitation, the City intends to award a single contract and does not anticipate award to multiple Suppliers. Regardless, the City reserves the right to award to one or more Suppliers, or make no award, in the best interest of the City.

1.01.2 - DEFINITIONS

For the purposes of this specification, the following definitions shall apply:

Term	Definition
RESPONDENT	A potential Supplier offering a submittal to supply equipment in accordance with these Specifications
SPECIFICATION	This document, detailing the scope of supply
SUPPLIER	The Respondent(s) awarded a contract pursuant to these Specifications
SUBVENDOR	Any Supplier of parts, materials, and/or services to the vendor under these Specifications
EQUIPMENT/ MATERIAL	A fully functional piece of equipment/material supplied and tested in accordance with these Specifications
MANUFACTURER	The original manufacturer of the equipment/material
ENGINEER	The project engineer and/or contract administrator
CITY	The City of Tacoma, Tacoma Power
DELIVERY TIME	The length of time starting at the date of Supplier receipt of a purchase order, purchase order release, or Notice to Proceed and ending at the time that the item(s) are received at Tacoma Power

1.01.3 - QUALIFICATIONS

To further detail the requirements of Section 1.18.A.6 of the City of Tacoma Standard Terms and Conditions, only submittals which offer products from manufacturers experienced in the supply of materials as detailed within this Specification over a period of five (5) years or more will be considered responsive. A responsive submittal will demonstrate a record of successful completion of contracts similar in scope and size to that outlined in this Specification. The City shall be the sole judge of the Respondent's ability to meet the requirements of this paragraph.

1.01.3A - REFERENCES

Each Respondent shall complete the Proposal – References Data Sheet as required in the proposal section. A minimum of five (5) references over the past five (5) years is required.

1.01.3B - RESPONDENTS ORIGINATING FROM OUTSIDE THE UNITED STATES

Respondents that originate bids from outside the legal jurisdiction of the United States of America will be subject to the City of Tacoma's Legal Department opinion as to the viability of possible litigation pursuant to a supply contract resulting from this Specification. If it is the opinion of the City of Tacoma's Legal Department that any possible litigation would be beyond reasonable cost and/or enforcement the bid may be excluded from evaluation.

1.01.3C - MANUFACTURER REPRESENTATION

The Supplier shall have available to Tacoma Power a representative or agent who will provide field and technical support. The agent shall be authorized to coordinate returns and repairs as well as provide support for any matter pertaining to non-compliance with the terms of the Specification.

1.01.4 - SUB-VENDORS

The Respondent shall list, on the Proposal – Sub-Vendor Data Sheet, all sub-vendors it intends to use to fulfill requirements in any part of this Specification. Included in the listing shall be the sub-vendor's name, address, and telephone number; contact name; and description of work they will perform. It shall be the responsibility of the awarded Supplier to police, enforce, and ensure that all work performed by any sub-vendor shall be in accordance with this Specification.

1.02 - CONTRACT

1.02.1 - CONTRACT PERIOD

The contract is intended for a minimum of three (3) years from the award date of the contract. The Award Date of Contract is the date that the City of Tacoma Purchasing Division issues the contract.

1.02.2 - CONTRACT EXTENSIONS

Two contract extensions of up to one year per occurrence may be considered upon mutual agreement of both parties to extend the contract under the same terms and conditions of the original contract.

1.02.3 - TERMINATION OF CONTRACT

The City reserves the right to cancel the Contract at any time upon prior notice to the Supplier (refer to City of Tacoma Standard Terms and Conditions Section 1.27).

1.03 – RESPONDENT’S PROPOSAL

1.03.1 – RESPONDENT REQUIREMENTS

Submittals must be emailed with the Specification number, Specification Title, and Respondent name in the subject line, and received by the City of Tacoma Purchasing Division by the date and time specified in the “Request for Bids” page or subsequent addenda.

The bid package submitted must be returned with the Respondent’s proposal filled in as directed, including all data requested by the Provisions of these Specifications. All blank spaces on the Proposal forms will be properly populated.

1.03.1A - SIGNATURE PAGE

The “Signature Page” included with the original submittal shall be **signed** by the responsible company official and include printed or typewritten designation of the office they hold in the company.

1.03.2 - ALTERNATE BIDS

All bids including alternates shall include an original Signature Page. Each bid package submitted must be returned with the Respondent’s proposal completed as directed, including all data requested.

1.03.2A - ALTERNATE BID PROPOSALS

Alternate bid proposals must be submitted as a separate bid package and identified as “**ALTERNATE**”.

1.03.2B - ALTERNATE MATERIALS

If the Respondent elects to bid alternative equipment a Substitution Request Form (Appendix #1) must be submitted by email to Seth Hartz, shartz@cityoftacoma.org, a minimum of **ten (10) business days** prior to the submittal deadline. Respondents will be notified of an approved or rejected Substitution Request Form no later than **five (5) business days prior to the submittal deadline**.

An approved Substitution Request Form shall not indicate acceptance of the alternate by the City. Complete data must be submitted with the bid, including the information as requested in Section 1.04 “Items to be Included with Bid”. The data shall demonstrate that the alternative item is of a quality equal to or better than that specified and has the required characteristics for the intended use. Failure to submit such data will render the bid **non-responsive**.

1.03.2C – ALTERNATE EVALUATION

Upon request, the Respondent shall furnish to the City, within five (5) working days, additional information relating to such alternative items as the City may require. In the event that the equivalency is not readily ascertained from the information supplied by the Respondent, the City may test the material/equipment or have it tested. The City shall be the sole judge as to the equality and suitability of a proposed alternate. The decision of the City as to what items are equal shall be final and conclusive.

1.04 – ITEMS TO BE INCLUDED WITH BID

1.04.1 - PRODUCT DATA SHEETS

The Respondent shall provide manufacturer product data sheets (cut sheets) for each material to be supplied. Manufacturer data furnished **must be sufficient in detail and clarity** to enable making a complete and positive check that the materials offered in the submittal meet the call of this Specification.

1.04.2 - MANUFACTURER'S QUALITY ASSURANCE POLICY

A copy of the manufacturer's internal "Quality Assurance" policy for the equipment to be supplied shall be included with the submittal. The policy documents shall include examples of inspection processes and quality control measures utilized to insure supply of a reliable product.

1.05 - EVALUATION & AWARD

Respondents are to provide unit or lump sum pricing for each line item, which will be summed for a subtotal price. Subtotals will be compared amongst each Respondent, including any offered payment discount terms of 20 days or more, as well as price escalation, if any, for years 2 & 3 (Refer to Section 1.05.2B).

1.05.1 - AWARD OF CONTRACT

The Contract will be awarded to the lowest and best responsible Respondent(s) delivering a responsive submittal in compliance with these Specifications, provided such submittal is reasonable and it is in the best interests of the City to accept. The City, however, reserves the right to reject any and all bids and to waive any informalities in bids received. The award of this contract will not be based on cost alone, as other factors will be considered in the evaluation criteria.

1.05.2 - EVALUATION CRITERIA

In evaluating the proposals, the City will consider any or all of the following:

- Compliance with Specifications
- Proposal prices, listed separately if requested, as well as a lump-sum total
- Minimum order requirements

1.05.2A - OTHER ELEMENTS

The City may also take into consideration other criteria for determining award. Other elements or factors, whether or not specifically provided for in this Specification, which would affect the final cost to and the benefits to be derived by the City, may be considered in determining the award of the contract. The final award decision will be based on the best interests of the City.

1.06 – PRICING AND PURCHASE ORDERS

1.06.1 - PRICES QUOTED

Per City of Tacoma Standard Terms and Conditions Section 1.16, the prices quoted on the Proposal – Pricing Sheet shall remain open for acceptance by the City for a minimum of 90 days from the submittal deadline. The prices quoted on the proposal sheets shall be **firm for the first year** of the contract. Subsequently the prices will be adjusted annually per Section 1.06.4.

1.06.2 - FREIGHT ALLOWANCES

The Respondent shall provide prices including delivery F.O.B. Destination as noted on the Proposal – Shipping Data sheet.

1.06.3 - QUANTITIES AND PURCHASE ORDERS

The quantities listed on the Proposal Pricing Sheets are an estimate only. Delivery will be according to purchase order on an as-needed basis throughout the period of the contract. The City reserves the right to increase or decrease quantities under this contract and pay according to the unit prices quoted in the proposal (refer to City of Tacoma Standard Terms and Conditions Section 1.35). The purchase order will be delivered to the Supplier by email.

1.06.4 - ANNUAL PRICING ADJUSTMENT

The successful Respondent(s) may submit a request to escalate the unit prices of the items bid annually, on the anniversary date of the contract award. Documentation supporting the request shall be included.

Price increases will be adjusted only to the amount of cost increase to Contractor. No adjustment will be made for Contractor profit margin. The City reserves the right to accept or reject all such price adjustments.

Increase requests may be evaluated against various market conditions, including but not limited to:

- Consumer Price Index for Seattle - Tacoma - Bremerton, All Items 1982-84+100, for the comparable period.
- Consumer Price Index for All Urban Consumers (CPI-U) for the U.S. City Average Index for All Items, 1982-84=100, unadjusted (<http://www.bls.gov/ro9/ro9news.htm>) for the comparable period.
- State/federal regulations affecting production costs of the materials.
- Volatile commodity market conditions.
- Various producer price or commodity indices.
- Minimum wage adjustments.

1.06.5 - UNSCHEDULED ADJUSTMENTS

At the City's discretion, the pricing adjustment terms may be waived for extraordinary conditions that could not have been known by either party at the time of bid or other circumstances beyond the control of both parties.

Requests for increases or decreases, other than scheduled, shall be sent to the Engineer/Contract Manager accompanied by documentation supporting the requested change. No other individual or City Department is authorized to approve such modifications. Changes shall be considered effective upon Supplier's receipt of a revised contract document. Concurrence is implied unless Supplier rejects the changes in writing immediately upon receipt of the revised contract document.

1.06.6 - PROMOTIONAL PRICING

City is entitled to any promotional pricing during contract period that is lower than the Vendor's pricing as provided in the Proposal – Pricing Sheet. This promotional pricing shall include, but not be limited to: sale prices, price lowering, and/or lump-sum rebates.

1.07 - PACKING AND SHIPPING

The Supplier shall be responsible for industry standard packing that conforms to the requirements of the carrier's tariffs and the ICC regulations.

1.07.1 – LUMINAIRE PACKING REQUIREMENTS

Luminaires shall be individually packaged to prevent damage during shipping and storage.

1.07.1A – LUMINAIRE LABELING

Each **package** shall include the following information:

- Manufacturers Name

- Manufacturers Catalog Number
- Date of Manufacturer

Each **pallet** shall include the following information:

- Tacoma Power Stock Material Number (MID)
- Quantity
- City of Tacoma Purchase Order Number

1.07.2 – ACCESSORY PACKING REQUIREMENTS

Luminaire accessories shall be packaged in a manner to prevent damage during shipping and storage.

1.07.2A – ACCESSORY LABELING

Each **package** shall include the following information:

- Manufacturers Name
- Manufacturers Catalog Number

1.07.3 - SHIPPING REQUIREMENTS

Materials shall be shipped in such a fashion that they will arrive at the City without transit-associated damage. A complete packing list must be included.

Tacoma Power reserves the right to request a change in shipping company utilized by the Supplier based upon history of damaged goods delivered to Tacoma Power and/or evidence of unsafe work practices by the shipping company.

1.07.4 - SHIPPING NOTICE

The shipper shall notify the Tacoma Power Warehouse a minimum of **24** hours prior to arriving at delivery destination. This notice may be sent **via phone or email** and is required to convey final delivery information and insure sufficient staff available to unload cargo.

Tacoma Power Warehouse	
Contact	Keith Wawrin
Phone Number	(253) 502-8760
Email Address	kwawrin@cityoftacoma.org

1.08 - DELIVERY

1.08.1 - DELIVERY DATE

The Respondent must guarantee delivery times as stated on the Proposal– Shipping Data sheet of the proposal section. The delivery time will be enforced for all releases of this contract and any contract renewals.

1.08.2 - DELIVERY TIME

The completed items shall be delivered between 9:00 a.m. and 3:30 p.m. Monday through Friday excluding City observed holidays as listed in City of Tacoma Standard Terms and Conditions Section 1.24.

1.08.3 - DELIVERY LOCATION

Deliver completed items F.O.B. as directed by the purchase order release to either:

Tacoma Power Warehouse		Tacoma Power
3628 South 35th Street (rear)		South Service Center
Tacoma, Washington 98409	or	3002 224 th St. E
Attention: TPU Light Stores - South End		Spanaway, WA 98387

1.08.3A – ALTERNATE DELIVERY LOCATION

The City retains the option to have the merchandise delivered to an alternate facility or on-site within a 35-mile radius of the Tacoma Power Warehouse. Notification of any change will be on the purchase order release.

1.09 - INSPECTION & WARRANTY

All goods are subject to final inspection and acceptance by the Engineer and/or Tacoma Power Warehouse employees.

1.09.1 - FAILURE OF INSPECTION

Materials received damaged or failing to meet the requirements of this contract will be held at the Supplier's risk and may be returned to Supplier. If so returned, the cost of transportation, unpacking, inspection, repackaging, reshipping, or other like expenses are the responsibility of the Supplier.

Charges for dismantling and reinstallation of materials furnished pursuant to the Contract will be the responsibility of the Supplier only when a change out or replacement is required because of a suspected or known design defect or large scale failure of manufacturer's quality control system.

1.09.2 - WARRANTY

The Supplier and/or manufacturer of the supplies shall warrant all materials and workmanship delivered under any resulting contract to be free from defects or failure for any reason whatsoever which the City may reasonably determine is the responsibility of the Supplier, for a minimum of **ten (10) years** after the date of final acceptance. All items found to be defective and/or not meeting the requirement of these Specifications shall be replaced with new like product within the specified lead-time for delivery in the bid proposal. Charges for the transportation/freight of replacement items will not be allowed.

When the Supplier is not the manufacturer of the item of equipment, Supplier agrees to be responsible for this warranty and Supplier is not relieved by a manufacturer's warranty.

1.10 - INVOICES & PAYMENT

All items called for in these Specifications, including but not limited to, the necessary drawings and test results, must be supplied to the City before the final invoice can be processed.

1.10.1 - INVOICES

Invoices shall be emailed to:	
(Per Section 1.39 of the Standard	AccountsPayable@cityoftacoma.org
Terms and Conditions)	

1.10.2 - PAYMENT

Upon certification by the Engineer and/or appropriate warehouse personnel that the items have been received in accordance with the Specifications and are in satisfactory condition, a 100 percent payment will be made. Payment methods include:

- A. Credit card. Tacoma's VISA procurement card program is supported by standard bank credit Suppliers and requires merchants abide by the VISA merchant operating rules.
 - 1. Vendors must be PCI-DSS compliant (secure credit card data management).
 - 2. Vendors must be set up by their card processing equipment provider (merchant acquirer) as a minimum of a Level II merchant with the ability to pass along tax, shipping and merchant references information.
- B. Electronic Funds Transfer (EFT) by Automated Clearing House (ACH).
- C. Check or other cash equivalent.
- D. The City may consider cash discounts when evaluating submittals. See 1.20.A.2 of the Standard Terms and Conditions.

1.10.2A - UNSATISFACTORY PERFORMANCE

In the case of unsatisfactory performance, the payment shall be made after the Supplier has made the necessary repairs and/or modifications and satisfactory performance is obtained, or the unit is replaced.

1.11 - SAFETY AND STANDARDS

The Items supplied shall meet appropriate ANSI, OSHA, WISHA, and all federal, state, and local standards for its intended use.

1.12 - EQUITY IN CONTRACTING

The City of Tacoma is committed to encouraging firms certified through the [Washington State Office of Minority and Women's Owned Business Enterprises](#) to participate in City contracting opportunities. See the TMC 1.07 Equity in Contracting Policy at the City's [Equity in Contracting Program website](#).

1.13 - STANDARD TERMS AND CONDITIONS

City of Tacoma [Standard Terms and Conditions](#) apply.

**These Technical Specifications have been prepared
by a licensed Professional Engineer registered in the State of Washington.**

II - TECHNICAL PROVISIONS

2.01 - SCOPE

The Technical Provisions of these Specifications detail the minimum performance criteria and physical requirements for side-mount, outdoor type, light-emitting-diode (LED) area and security luminaires and their accessories.

2.02 - STANDARDS

LED luminaires shall meet the most recent editions of the following standards and all others that are applicable as referenced in these Specifications.

Standard Number	Standard Title
ANSI C78.377	Specifications for the Chromaticity of Solid State Lighting (SSL) Products
UL 1598	Luminaires; UL
IEEE C62.42	IEEE Guide for the Application of Component Surge-Protective Devices for Use in Low-Voltage
C136.22	American National Standard for Roadway and Area Lighting Equipment – Ingress Protection (Resistance to Dust, Solid Objects and Moisture) for Luminaire Enclosures
ANSI C136.31	American National Standard for Roadway Lighting Equipment – Luminaire Vibration
ANSI C136.37	American National Standard for Roadway and Area Lighting Equipment – Solid State Light Sources Used in Roadway and Area Lighting
ANSI C136.41	Dimming Control Between an External Locking Type Photocontrol and Ballast or Driver
ASTM D2247.68	Standard Method for Testing Coated Metal Specimens At 100% Relative Humidity
IES LM-80	Approved Method: Measuring Lumen Maintenance of LED Lighting Sources
IES TM-21	Projecting Long Term Lumen Maintenance of LED Light Sources

2.03 – GENERAL

The luminaire shall be designed and constructed to meet the requirements of ANSI C136.37. Luminaire features conforming to ANSI C136.37 shall include, but not be limited to: mounting provisions, latching and hinging, terminal blocks, dimming, ingress protection, wiring and grounding, and photo-control receptacle.

Luminaire shall be RoHS (European Union Directive 2002/95/EC for Restriction of Hazardous Substance) compliant. Luminaire shall have less than the maximum concentration values of the following RoHS restricted substances:

- Mercury (Hg)
- Cadmium (Cd)
- Chromium VI (Cr +6)
- Polybrominated biphenyl (PBB)
- Polybrominated biphenyl ether (PBDE)
- Lead (Pb).

2.04 – LUMINAIRE PERFORMANCE

Description	70W Input
Operating temp, ambient range:	-40° C to +50° C -40° F to +122° F
Correlated Color Temperature (CCT)	5500°K ± 300
Total flux per LM-79	5500K – > 6500 lumens
Lumen depreciation of LED light sources per IES LM-80/TM-21	L70 (10,000) >60,000 hours L70 (TM-21) >100,000 hours LM at 100,000 hours = 93.95%
Color rendering index (CRI)	>70
Backlight, Uplight and Glare (BUG) rating	Standard Cutoff – B3, U2, G2 F
Luminaire efficacy, type V distribution per IES LM-79, Section 11.0	>90 Lumens/Watt
Off-state power consumption, NEMA photo control device	<0.5 Watts
On-state power consumption, NEMA excluding photo control device	70 Watts ± 10
Light distribution per IES Handbook	Type V

2.05 – POWER SUPPLY/DRIVER PERFORMANCE

Description	Bid Item #1
Input voltage	90 to 277 VAC 50/60HZ
Power factor	>0.90
Total harmonics distortion at full power at specified voltage	<10% @ 120 VAC <20% @ 277 VAC
Surge protection per ANSI/ IEEE C62.42.2 – 2002	20kV/10kA Replaceable surge module Location Category C – High
Interference	FCC 47 CFR part 15/18, Class A
Thermal protection	Thermal feedback for LED overheating protection
Driver life	>100,000 hours
Inrush current	<2A during photocell transition
Driver thermal protection	Thermally encapsulated to increase reliability

2.06 – LIGHTING AND DIMMING CONTROLS

Description	Bid Item #1
photo control	Integrated solid-state long-life photo controller <5mW power draw @ 277v
Photo control failure protection	Backup controller to ensure continuous dusk/dawn operation in event of a photo control failure
Luminaire remote control	Application for control of: <ul style="list-style-type: none"> • Commissioning/decommissioning • Brightness settings • Custom dimming schedules
Dimming range	20% - 100%

2.07 – CONSTRUCTION

Description	Bid Item #1
Housing construction	Cast aluminum housing with integral heat sink
Finish	Gray powder coat
Mounting	Accepts 1-1/4" or 1" arm Adjustable angle +/- 5%
3G Vibration withstand	ANSI C136.31-2010 Luminaire Vibration - Level 2 Bridge/Overpass
Ease of Installation/Maintenance	Tool-less access panel 66" pigtails standard or 10', 20' or none as options
Optical Lens	Diffused textured glass to reduce glare
Photo control	UV-stabilized polycarbonate housing
Shield	Optional three position (including backlight) field-installable shield
Single unit net weight	< 10 lbs

2.08 – APPROVED MANUFACTURERS

The following manufacturers have been approved for supply of LED Luminaires and Accessories intended for Tacoma Power's off-street lighting program:

Item #	Item Description	MFG	Catalog Number
1	LUMINAIRE,LED,70W, DOMED LENS,W/EYE	EvLuma	AM-70-5-V-D-P-STD-10
2	SHIELD,LUMINAIRE,LED	EvLuma	LTS

APPENDIX #1

SUBSTITUTION REQUEST FORM

**Tacoma Public Utilities****SUBSTITUTION REQUEST FORM**

Specification No. PT21-0680F

Prospective bidders may request the use of substitute materials below.

All requests must be submitted electronically, via e-mail to shartz@cityoftacoma.org no later than ten (10) business days prior to the submittal deadline.

Manufacturer/Model: _____

Manufacturer Contact Information

Name/Title: _____

Phone Number: _____

E-Mail: _____

Describe the differences between the proposed substitution and specified material:

Please attach documentation from manufacturer that certifies the material meets all the criteria outlined in Technical Specifications of this bid specification.

Contractor Name: _____

Preparer Name/Title: _____

Mailing Address: _____

Phone Number: _____

E-Mail: _____

Signature: _____



Tacoma Public Utilities

INTERNAL USE ONLY

- ☐ Approved as Substitute*
- ☐ Rejected – Material Not Acceptable
- ☐ Rejected – Inadequate Information
- ☐ Rejected – Request Received After Deadline

**Subject to review and approval of submittal documents*

Remarks

Reviewer Name/Title: _____

Signature: _____ Date: _____