

Mayor  
John J. Lee

City Manager  
Ryann Juden

Council Members  
Scott Black  
Pamela A. Goynes-Brown  
Isaac E. Barron  
Richard J. Cherchio



Finance Department  
Purchasing-Risk Management Department  
2250 Las Vegas Boulevard, North · Suite #710 · North Las Vegas, Nevada 89030  
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[www.cityofnorthlasvegas.com](http://www.cityofnorthlasvegas.com)

January 23, 2020

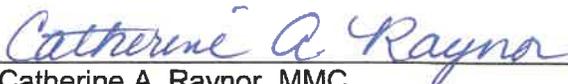
**CITY OF NORTH LAS VEGAS  
INVITATION TO BID  
BID B-1594 Las Vegas Wash Trails LED Lighting Upgrade**

Bids will be received electronically only through the Nevada Gov eMarketplace (NGEM) System at [www.ngemnva.com](http://www.ngemnva.com) until **February 25, 2020 at 10:00 A.M.** (the "Bid Due Date"), and the bids will be publicly opened and read shortly thereafter in Conference Room 703 inside City Hall at the above listed address.

An optional Pre-Bid Meeting will be held on **January 28, 2020 at 1:00 p.m.** in the City of North Las Vegas Finance Department in Conference Room #703, 2250 Las Vegas Boulevard North, North Las Vegas, Nevada, 89030. The purpose of this meeting is to discuss the Invitation to Bid requirements and answer any questions or concerns.

All questions or concerns must be submitted electronically in the NGEM System or via e-mail to at [leakem@cityofnorthlasvegas.com](mailto:leakem@cityofnorthlasvegas.com). The cut-off time for all questions is **February 12, 2020, at 12:00 p.m.** If any questions are received, an addendum will be issued to answer those questions and the addendum will be posted in the NGEM System and will be made available at the City of North Las Vegas Purchasing Web Page at <http://www.cityofnorthlasvegas.com/purchasingbidadvertisements/index.php>.

Bid documents may be accessed at [www.ngemnva.com](http://www.ngemnva.com) or on the City of North Las Vegas Purchasing Web Page (listed above). The City reserves the right to reject any and all Bids, waive any informality or technicality, or to otherwise accept Bids deemed in the best interest of the City.

  
Catherine A. Raynor, MMC  
City Clerk

Published in the Las Vegas Review Journal  
(January 24, 2020)

**CITY OF NORTH LAS VEGAS INVITATION TO BID  
BID B-1594 Las Vegas Wash Trails LED Lighting Upgrade**

**1. PUBLIC RECORDS:**

The Bid documents and all Bids submitted in response thereto are public records. You are cautioned not to put any material into the Bid that is proprietary in nature. The City is a public agency as defined by state law. As such, it is subject to the Nevada Public Records Law (Chapter 239 of the Nevada Revised Statutes). The City's Records are public records, which are subject to inspection and copying by any person, unless declared by law to be confidential.

**2. PERFORMANCE OF WORK:**

The selected Respondent shall perform all work as may be necessary to complete the Contract in a satisfactory and acceptable manner, and unless otherwise provided, shall furnish all transportation, materials, equipment, labor and incidentals necessary to complete the project.

**3. FORM OF CONTRACT:**

Execution of the Contract by all named parties will authorize delivery of goods obtained under this Invitation to Bid.

**4. ELECTRONIC BID THROUGH NGEM SYSTEM:**

Bids must be submitted online through the Nevada Government eMarketplace (NGEM). The NGEM System is an electronic bidding system used by a consortium of local government entities in Nevada for supplier registration and the submission of electronic bids and proposals. The NGEM System is available at [www.ngemnv.com](http://www.ngemnv.com). There is no cost for any Respondent to use the NGEM System, however, all Respondents must register prior to gaining access to see the details of any solicitation and to submit a bid or proposal online. All Bids must be submitted on the NGEM System no later than the Bid Due Date and time. Per the Terms of Use of the NGEM System, Bids may not be submitted after the Bid Due Date, and the server clock will govern.

**5. EXPLANATION TO RESPONDENT:**

Any explanations desired by Respondent regarding the meaning or interpretation of specifications must be requested in writing and with sufficient time allowed for a reply to reach Respondent before submission of their Bid. Oral explanations given before the award of the contract will not be binding. Any written interpretation made will be furnished to all Respondents and its receipt by the Respondent will be acknowledged. Interpretation of the meaning of the plans, specifications, or other pre-Bid documents will not be binding if presented to any Respondent orally. Every request for such interpretation should be in writing addressed to Marie Leake, Buyer at [leakem@cityofnorthlasvegas.com](mailto:leakem@cityofnorthlasvegas.com) or ATTN: Marie Leake, Buyer, City of North Las Vegas, 2250 Las Vegas Blvd. North, Suite 708, North Las Vegas, NV 89030. Any and all such interpretations and any supplemental instructions deemed necessary will be in the form of a written addendum to the specifications which, if issued, will be mailed or e-mailed to all known prospective Respondents. Failure of any Respondent to receive any such addendum or interpretation shall not relieve such Respondent from any obligation under these Bid documents as submitted. All addenda issued shall become part of the Bid documents.

**6. METHOD OF EVALUATION AND AWARD OPTIONS:**

The evaluation of this Bid will be conducted by City personnel. The City will award this Bid to the Respondent(s) that submits the lowest responsive and responsible Bid deemed to be in the City's best interest. The City reserves the right to reject all Bids. Pursuant to NRS 332.065(3), the City

shall not enter into a contract with a Respondent to this Bid unless the contract includes the written certification that the company is not currently engaged in, and agrees for the duration of the contract not to engage in, a boycott of Israel.

**7. ASSIGNMENT OF CONTRACTUAL RIGHTS:**

It is agreed that the Contract must not be assigned, transferred, conveyed, or otherwise disposed of by either party in any manner, unless approved in writing by the other party or unless otherwise allowed pursuant to NRS 332.095(2). The Respondent will be an independent contractor for all purposes and no agency, either expressed or implied, exists.

**8. CONDITIONS OF BID SUBMITTAL:**

- (a) The Bid must be signed by a duly authorized official of the proposing firm or company submitting the Bid.
- (b) No Bid will be accepted from any person, firm, or corporation that is in arrears for any obligation to the City, or that otherwise may be deemed irresponsible or unresponsive by City staff or City Council.
- (c) No Bid will be accepted from any person, firm, or corporation if that person, firm, or corporation or any of its principals are debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from transactions with any federal or state department or agency. By signing and submitting a Bid to the City, the Respondent certifies that no current suspension or debarment exists.
- (d) All Bids shall be prepared in a comprehensive manner as to content, but no necessity exists for expensive binders or promotional material.

**9. BID PROTESTS:**

The City will publish the Recommendation of Award Notification on the City's website ([www.cityofnorthlasvegas.com](http://www.cityofnorthlasvegas.com)). Any Respondent may file a notice of protest regarding the proposed award of the Contract by the North Las Vegas City Council. Respondents will have five (5) business days from the date the Recommendation of Award is published to submit the written protest to the City Clerk. The written protest must include a statement setting forth, with specificity, the reasons the person filing the protest believes that applicable provisions of the Bid documents or law were violated. At the time a notice of protest is filed, the person filing such notice of protest shall post a bond with a good and solvent surety authorized to do business in the State of Nevada, and supply it to the City Clerk. The bond posted must be in an amount equal to the lesser of: (i) twenty-five percent (25%) of the total value of the Bid submitted by the person filing the notice of protest; or (ii) two hundred fifty thousand dollars (\$250,000).

A notice of protest filed in accordance with this section shall operate as a stay of action in relation to the award of the Contract until a determination is made by the North Las Vegas City Council. A person who makes an unsuccessful Bid may not seek any type of judicial intervention until after the North Las Vegas City Council has made a determination on the notice of protest and awarded the contract. Neither the City nor any authorized representative of the City is liable for any costs, expenses, attorney's fees, loss of income, or other damages sustained by a person who submits a Bid, whether or not the person files a notice of protest pursuant to this section.

If a protest is upheld, the bond posted and submitted with the notice of protest will be returned to the person who posted the bond. If the protest is rejected, a claim may be made against the bond by the City in an amount equal to the expenses incurred by the City because of the unsuccessful protest.

**10. LICENSES:**

All Respondents must provide a copy of all appropriate licenses in accordance with the laws of

the State of Nevada, prior to submission of Bids for this project. Upon award, the successful Respondent will be required to obtain a North Las Vegas Business License.

**11. PUBLIC OPENING:**

Bids received will be opened and the name of the Respondent's company will be read publicly at the time and place indicated in the Bid documents. Respondents, their authorized agents, and the public are invited to be present. No responsibility will attach to any City official or employee for the pre-opening of, or the failure to open, a Bid not properly addressed or identified.

**12. TERM OF THE CONTRACT:**

The Contract shall remain in effect until all product has been delivered.

**13. INSURANCE:**

Prior to the commencement of the Contract, each successful Respondent must provide properly executed Certificates of Insurance to the City, which shall clearly evidence all insurance required by the City, including a policy or certificate of comprehensive general liability insurance in which the City, its public officials, officers, employees, agents, and volunteers shall be the named insured or be named as an additional insured. In compliance with this provision, the Respondent may file with the City a satisfactory policy providing a minimum \$1,000,000 "blanket coverage" policy or certificate of insurance. Such insurance will be primary and any insurance or self-insurance maintained by the City will apply in excess of, and not contribute with, the insurance required. Required insurance shall not be canceled, allowed to expire, or be materially reduced in coverage until after 30 days' written notice has been given to and approved in writing by, the City Attorney or the City Risk Manager.

The Respondent shall secure, maintain in full force and effect, and bear the cost of the following insurances throughout the duration of the contract:

COMMERCIAL GENERAL LIABILITY

Each Occurrence	\$1,000,000 each occurrence/accident
Products/Completed Operations	\$2,000,000 aggregate
Property Damage	\$1,000,000
Personal/Advertising Injury	\$1,000,000
COMBINED SINGLE LIMIT OF	\$1,000,000
Aggregate of	\$2,000,000

AUTOMOBILE LIABILITY

Bodily Injury - - - - -	\$1,000,000 each accident
Property Damage - - - -	\$1,000,000 each accident

Coverage must include all owned, leased, hired, non-owned and employee non-owned vehicles, where applicable, Personal Injury Protection.

WORKERS' COMPENSATION

Nevada Statutory Requirements

If no employees, then Exhibit D- Affidavit of Rejection of Coverage for Workers' Compensation must be completed and submitted with response to this Bid. The City, or any of its officers or employees, will not be responsible for any claims or suits in law or equity occasioned by the failure of the successful Respondent to comply with the

provisions of this paragraph.

Such insurance shall include the specific coverage set out herein and be written for NOT LESS THAN the limits of liability and coverage provided in the "Insurance Service Office", or required by law and other governing agencies, whichever is greater. The cost of this insurance shall be deemed included in the Bid prices and no additional compensation will be made.

In addition, the Respondent shall furnish evidence of a commitment by the insurance company to notify the City by registered mail of the expiration or cancellation of the insurance policies required not less than 30 days before the expiration or cancellation is effective.

**14. INDEMNITY:**

The successful Respondent agrees to defend, indemnify, and hold the City, its officers, agents, and employees, harmless from any and all liabilities, causes of action, claims, damages, losses, expenses, proceedings, actions, judgements, reasonable attorneys' fees, and court costs which the City suffers or its officers, agents, or employees suffer, as a result of, or arising out of, the negligent or intentional acts or omissions of Respondent, its subcontractors, agents, and employees, in the fulfillment or performance of the work described herein until such time as the applicable statutes of limitation expire.

**15. PROVISIONS PROVIDED BY LAW:**

Each and every provision and clause required by law to be inserted in the Contract shall be read and enforced as though it were included herein, and if through mistake or otherwise any such provision is not inserted, or is not correctly inserted, then upon the application of either party the Contract forthwith shall be physically amended to make such insertion or correction. The Respondent's attention is directed to the fact that all applicable city, county, state, and federal laws, and the rules and regulations of all authorities having jurisdiction over the project shall apply to the Contract throughout its duration and such laws, rules, and regulations will be deemed to be included in the Contract the same as though they had been written out in full herein.

**16. ADDENDA INTERPRETATIONS:**

If it becomes necessary to revise any part of this Bid, a written or electronic addendum will be provided publicly. The City is not bound by any oral clarifications changing the scope of work for this project.

**17. CANCELLATION OF CONTRACT:**

The City reserves the right to cancel the award or execution of any contract at any time before the Contract has been approved by the City Council without any liability or claims thereof against the City.

**18. TERMINATION FOR CONVENIENCE:**

The City shall have the right at any time to terminate further performance of the Contract, in whole or in part, for any reason whatsoever (including no reason). Such termination shall be effected by written notice from the City to the Respondent, specifying the extent and effective date of the termination. On the effective date of the termination, the successful Respondent shall terminate all work and take all reasonable actions to mitigate expenses. The successful Respondent shall submit a written request for incurred costs for services performed through the date of termination within 30 days of the date of termination. All requests for reimbursement of incurred costs shall include substantiating documentation requested by the City. In the event of such termination, the City agrees to pay the successful Respondent, thirty days after receipt of a correct, adequately documented written request. The City's sole liability under this Paragraph is for payment of the costs for the services requested by the City and actually performed by the successful Respondent.

19. **TAXES:**  
The City is exempt from state, retail, and federal excise taxes. The Bid price must be net, exclusive of taxes.
20. **EXCEPTIONS:**  
Each Respondent must list on a separate document any exceptions to specifications and attach it to their Bid. Exceptions, deviations, or contingencies requested in Respondent's bid response, while possibly necessary in the view of the Respondent, may result in lower scoring or disqualification of a Bid response.
21. **FISCAL FUNDING OUT:**  
In the event the City fails to appropriate funds for the performance of the Contract, the Contract will terminate once the existing funds have been exhausted.
22. **LIMITATION OF FUNDING:**  
The City reserves the right to reduce estimated or actual quantities, in whatever amount necessary, without prejudice or liability to the City, if funding is not available or if legal restrictions are placed upon the expenditure of monies for the services required under the Contract.
23. **ESCALATION:**  
Prices may not be increased during the term of the Contract.
24. **AUDIT OF RECORDS:**
- (a) The successful Respondent agrees to maintain financial records pertaining to all matters relative to this Bid in accordance with standard accounting principles and procedures and to retain all records and supporting documentation applicable to this Bid for a period of three (3) years after completion of this Bid and any subsequent extensions thereof. All records subject to audit findings shall be retained for three (3) years after such findings have been resolved. In the event the successful Respondent goes out of existence, the successful Respondent shall turn over to the City all of its records relating to this Bid. The successful Respondent agrees to give the City access to records immediately upon request.
  - (b) The successful Respondent agrees to permit the City or the City's designated representative(s) to inspect and audit its records and books relative to this Bid at any time during normal business hours and under reasonable circumstances and to copy and/or transcribe any information concerning successful Respondent's operation hereunder, at the City's discretion. The successful Respondent further understands and agrees that said inspection and audit would be exercised upon written notice. If the successful Respondent or its records and books are not located within Clark County, Nevada, and in the event of an inspection and audit, successful Respondent agrees to deliver the records and books or have the records and books delivered to the City or the City's designated representative(s) at an address within the City as designated by the City. If the City or the City's designated representative(s) finds that the records and books delivered by the successful Respondent are incomplete, the successful Respondent agrees to pay the City's or the City's representative(s)' costs to travel (including travel, lodging, meals, and other related expenses) to the successful Respondent's offices to inspect, audit, retrieve, copy and/or transcribe the complete records and books. The successful Respondent further agrees to permit the City or the City's designated representatives to inspect and audit, as deemed necessary, all records of this project relating to finances, as well as other records including performance records that may be required by relevant directives of funding sources of the City.

- (c) If, at any time during the term of this Bid, or at any time after the expiration or termination of the Bid, the City or the City's designated representative(s) finds the dollar liability is less than payments made by the City to the successful Respondent, the successful Respondent agrees that the difference shall be either: (i) repaid immediately by the successful Respondent to the City or (ii) at the City's option, credited against any future billings due the successful respondent.
- (d) The successful Respondent must assert its right to an adjustment under this clause within 30 days from the date of receipt of the written order; however, if the City decides that the facts justify, the City may receive and act upon an invoice submitted before final payment of the Bid.
- (e) The successful Respondent shall provide current, complete, and accurate documentation to the City in support of any equitable adjustment. Failure to provide adequate documentation, within a reasonable time after a request from the City will be deemed a waiver of the successful respondent's right to dispute.

**25. INDEPENDENT CONTRACTOR:**

In the performance of services under the Contract, the successful Respondent and any other persons employed by it shall be deemed to be an independent contractor and not an agent or employee of the City. The City shall hold the successful respondent company ("Company") as the sole responsible party for the performance of the Contract. The Respondent shall maintain complete control over its employees. Nothing contained in this Invitation to Bid, the Contract, or awarded by the City shall create a partnership, joint venture, or agency. Neither party shall have the right to obligate or bind the other party in any manner to any third party. The Contract may not be subcontracted.

**26. COMPANY PERSONNEL:**

The successful Respondent is solely responsible for the supervision and control of its staff performing work under the Contract; however, the City reserves the right to request removal from its premises the successful Respondent's "on site" staff personnel for just cause, and the successful Respondent shall take reasonable action to comply with the request. Upon award of the Contract, a listing of all personnel authorized to participate in the awarded program shall be submitted and included as part of the executed agreement.

**27. KEY PERSONNEL:**

The City designates Marie Leake, Buyer, as the responsible party for managing this Bid Advertisement. She can be reached at 702-633-2440 or at Marie Leake, Buyer and is available Monday through Thursday from 6am to 4pm.

The City also designates Mike Hudgeons, City Traffic Engineer, as the project manager for this service. He can be contacted at 702-633-1224 or at [hudgeonsm@cityofnorthlasvegas.com](mailto:hudgeonsm@cityofnorthlasvegas.com) and is available Monday through Thursday from 8am to 4pm.

The cutoff date for any questions regarding this is **February 12, 2020, at 12:00 p.m.** Any questions submitted beyond this cut off time will not be answered.

**CITY OF NORTH LAS VEGAS  
INVITATION TO BID  
BID B-1594 Las Vegas Wash Trails LED Lighting Upgrade**

**DEFINITIONS**

**Bid** - document submitted by Respondent in NGEM to the City of North Las Vegas offering the product or service that meets the requested specifications. Respondent will fill out the bid document with their price offering and complete all required documents

**Certificates of Insurance** – a document issued by an insurance company/broker that is used to verify the existence of insurance coverage under specific conditions granted to listed individuals. This document should list the effective date of the policy, the type of insurance coverage provided and the type and dollar amount of applicable liability and shall list the City of North Las Vegas, its public officials, officers, employees, agents, and volunteers, as an additional insured.

**City** - the City of North Las Vegas.

**City Attorney** – the lawyer employed by the City, who is legally appointed as legal counsel to transact business on the City's behalf.

**City Clerk** - a public officer charged with recording the official proceedings and vital statistics of the City.

**City Council** - the legislative body that governs the city.

**City Manager** - a person not publicly elected but appointed by the City Council to manage the City.

**City Records** - information, minutes, files, accounts or other records which the City is required to maintain, and which must be accessible to scrutiny by the public.

**City Staff** - any person currently employed by the City.

**Contract** – the written agreement between the City and the Respondent selected by the City as having the best Proposal, as approved by City Council and fully executed by the parties.

**Invitation to Bid** - the official legal published advertisement of the bid requirements.

**Key Personnel** - defined City employees listed in Paragraph 27.

**Pre-Bid Meeting** – a meeting that Respondent may attend to have the project requirements defined. This allows the Respondent to ask questions necessary to enable Respondent to provide a bid.

**Nevada Public Records Law** – as defined in NRS Chapter 239.

**Purchasing Department** – Department that reviews the bids for compliance to specifications, reviews the pricing, and awards the bid to the most responsive and responsible Respondent.

**Recommendation of Award Notification** – notification to the general public the City has recommended a Respondent who has been selected based on having the best bid/proposal by meeting the Criteria listed in the bid/Proposal documents. This Recommendation of Award goes to the City Council and upon City Council approval will be selected to fulfill the requirements as outlined in the bid.

**Representative** – person who represents a company and compiles questions to enable the company to submit a bid that accurately identifies the City’s requirements.

**Respondent** – Vendor who offers the requested product or service to the City on the official bid document.

**Subcontractor** – a person who, or business that, contracts to provide some service or material necessary for the performance of another’s contract.

**CITY OF NORTH LAS VEGAS  
INVITATION TO BID  
BID B-1594 Las Vegas Wash Trails LED Lighting Upgrade  
SCOPE OF WORK**

**1. Scope of Work:**

The City is seeking the purchase replacement LED retro-kit fixture for the existing Las Vegas Wash Trails Metal-Halide (MH) Vandalume "Mushroom-head" that the City of North Las Vegas is utilizing in ALL Trails.

The selected LED retro-fit kit must meet the below mentioned Lighting Specifications:

- LED retrofit kit **MUST** be able to fit inside the existing fixture housing w/ no physical modifications necessary to the housing
- Input Voltage: multi-tap (120-277V)
- Color Temperature: 5000 Kelvin
- Distribution pattern: T3, T5
- Lumens: 6,000+ Lm (delivered lumens at 55w)
- Surge Protection: Thermally protected 20kA/ 40 kV varistor type surge suppressor, meets ANSI C136.2-2015: Extreme Level.
- Dimming: 10-10V standard dimming capability
- Color Rendering Index (CRI): Minimum of 80+ or higher
- Warranty: **10 year L70 performance based warranty**
- DesignLights Consortium (DLC) Qualified Product: Yes
- Must submit photometric report (of proposed product) w/ physical sample prior to approval and procurement

**2. Contractor Responsibilities:**

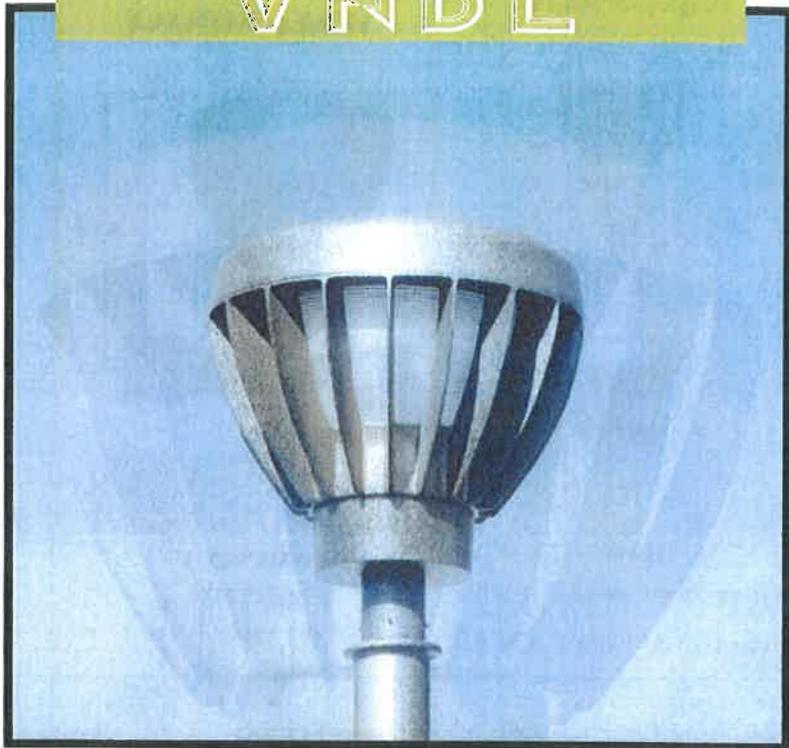
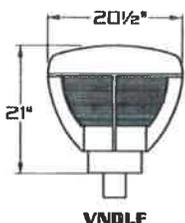
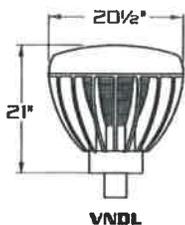
Fixture that will be selected for the retro-fit will be a conversion-kit fixture that has already been used and tested throughout various fixtures on the Las Vegas Wash Trail (**Part #: USAL-VPABM/II/NW/64LED/350MA**) or approved equal by the City of North Las Vegas Traffic Operations Supervisor.

The conversion kit **MUST** come w/ a 10 yr warranty for the LED's, Driver & the surge suppression.

Existing Mushroom Head Spec below:

# VNDL

(400 WATT MAX.)



E.P.A. VNDL=1.65  
VNDLF=1.65



## SPECIFICATIONS

- LUMINAIRE:** HOUSING AND HOOD ALL HEAVY WALL DURABLE, CORROSION RESISTANT, CAST ALUMINUM CONSTRUCTION.
- OPTICS:** CLEAR POLYCARBONATE PRISMATIC REFRACTOR PROVIDES TYPE II OR TYPE V LIGHT DISTRIBUTION.
- LAMP HOLDER:** MEDIUM OR MOGUL BASE PORCELAIN WITH LAMP LOCKING SHELL.
- LAMP:** (BY OTHERS)
- BALLAST:** H.P.F./C.W.A. AUTOTRANSFORMER. -20° STARTING TEMPERATURE. ELECTRICAL COMPONENTS ARE MOUNTED TO A REMOVABLE BALLAST TRAY. BALLAST IS EQUIPPED WITH FACTORY INSTALLED QUICK DISCONNECT PLUG.
- FINISH:** POLYESTER POWDER COAT-STATE OF THE ART 20 PSI PRESSURE POWER WASH AT 140° TEMPERATURE INCORPORATES FOUR STEP IRON PHOSPHATE PROCESS TO CLEANSE AND PRETREAT THE METAL SURFACE FOR MAXIMUM PAINT ADHESION. ELECTROSTATICALLY APPLIED TEXTURED POLYESTER POWDER TOPCOAT IS BAKED AT 400° TEMPERATURE FOR MAXIMUM HARDNESS AND EXTERIOR DURABILITY.



U.S. ARCHITECTURAL  
LIGHTING

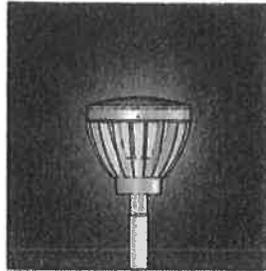
660 WEST AVENUE © DALLAS, TX 75201  
(972) 233-2001  
FAX (972) 233-2001  
www.usalighting.com

B10-1

SCALE: 3/8" = 1'



**DSTR25** 64 LED's Max.  
**DSTR1** 64 LED's Max.

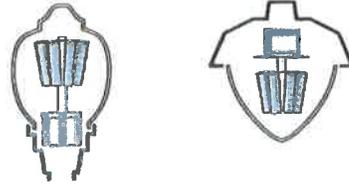


**VNDL** 64 LED's Max.

# Retrofitting the LED Power Array™

## into Non-Sun Valley Luminaires

The flexibility of the LED Power Array™ is ideally suited to be retrofitted to preinstalled fixtures. Globes or lanterns, base or pendant mounted can all be retrofitted with a standard or custom solution. With a few simple guidelines, the LED Power Array™ is an ideal solution for updating the illumination source the long-life, energy saving LED's.

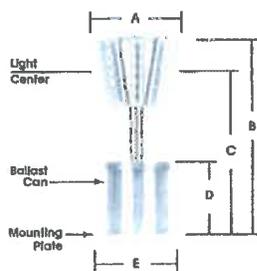


Base Mount or Top Mount

### Guideline Dimensions

These standard guidelines can help determine if an LED Power Array™ solution may be used. Custom solutions are available.

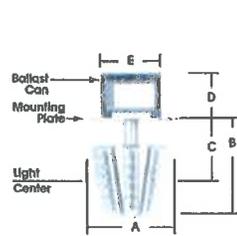
#### Angled Array-Base Mount



	8 Array 48 LED Max.	10 Array 80 LED Max.
A <sup>1</sup>	7.00" Dia. (178mm)	9.00" Dia. (229mm)
B	13.25" Min. (337mm)	14.76" Min. (375mm)
C	10.76" Min. (273mm)	11.76" Min. (298mm)
D	7.00" Dia. (178mm)	7.00" Dia. (178mm)
E	6.60" Dia. (168mm)	6.60" Dia. (168mm)

<sup>1</sup> Enclosure opening must be at least W<sup>1</sup> larger to allow insertion of Power Array™.

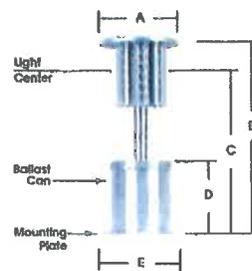
#### Angled Array-Top Mount



	8 Array 48 LED Max.	10 Array 80 LED Max.
A <sup>1</sup>	7.00" Dia. (178mm)	9.00" Dia. (229mm)
B	6.25" Min. (159mm)	7.75" Min. (197mm)
C	3.75" Min. (96mm)	4.75" Min. (121mm)
D	6.00" Dia. (152mm)	6.00" Dia. (152mm)
E	7.00" Dia. (178mm)	7.00" Dia. (178mm)

<sup>1</sup> Enclosure opening must be at least W<sup>1</sup> larger to allow insertion of Power Array™.

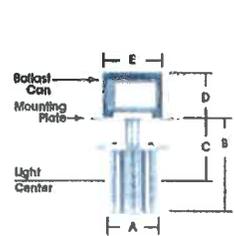
#### Vertical Array-Base Mount



	6 Tube 48 LED Max.	8 Tube 64 LED Max.
A <sup>1</sup>	4.25" Dia. (108mm)	6.00" Dia. (152mm)
B	14.78" Min. (375mm)	14.78" Min. (375mm)
C	11.76" Min. (298mm)	11.76" Min. (298mm)
D	7.00" Dia. (178mm)	7.00" Dia. (178mm)
E	6.60" Dia. (168mm)	6.60" Dia. (168mm)

<sup>1</sup> Enclosure opening must be at least W<sup>1</sup> larger to allow insertion of Power Array™.

#### Vertical Array-Top Mount



	6 Tube 48 LED Max.	8 Tube 64 LED Max.
A <sup>1</sup>	4.25" Dia. (108mm)	6.00" Dia. (152mm)
B	7.75" Min. (197mm)	7.75" Min. (197mm)
C	4.50" Min. (114mm)	4.50" Min. (114mm)
D	5.00" Dia. (127mm)	5.00" Dia. (127mm)
E	7.00" Dia. (178mm)	7.00" Dia. (178mm)

<sup>1</sup> Enclosure opening must be at least W<sup>1</sup> larger to allow insertion of Power Array™.

### Preferred Procedure

The primary considerations for retrofitting the LED Power Array™ into non-Sun Valley luminaires are ease of conversion, thermal characteristics of the existing luminaire, and performance. To realize maximum benefit from the retrofit it is essential that a sample fixture from the site be sent to the factory. We will craft the retrofit module specifically for the project. Contact Sun Valley for the return procedure.





Applications Engineering ° 660 West Avenue O ° Palmdale, CA 93551  
(P): 661.233.2000 ° (F): 661.233.2001 ° (e): applications@usaltg.com

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VNDL-V-64LED-350MA.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TESTLAB] Photopia 3.2.10 see: www.ltioptics.com/ies  
[ISSUE DATE]  
[TEST] 1  
[MANUFAC] U.S. ARCHITECTURAL LIGHTING  
[LUMINAIRE] VNDL-V-64LED  
[LAMP] LED 1.1W Lumileds Rebel White LED (700mA)

**CHARACTERISTICS**

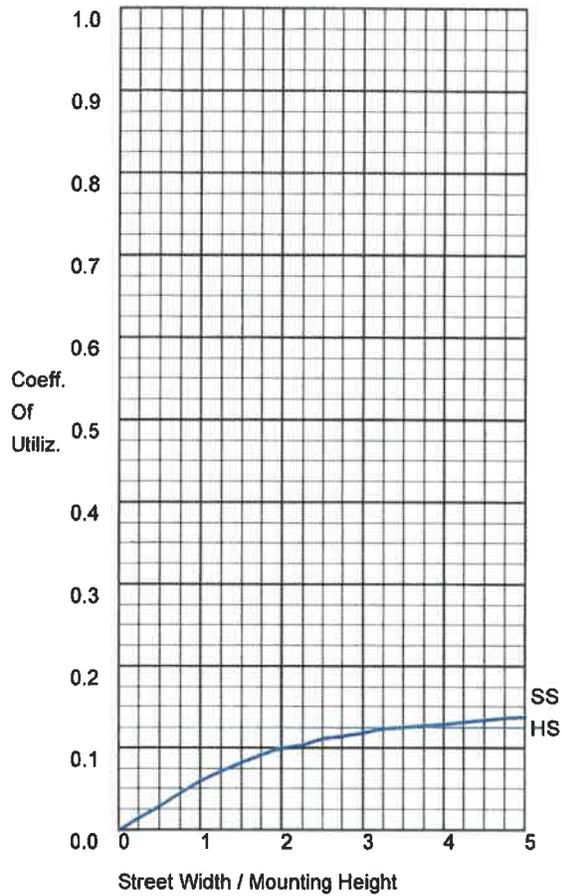
IES Classification	Type V
Longitudinal Classification	Very Short
Cutoff Classification (deprecated)	Non-Cutoff
Lumens Per Lamp	110 (64 lamps)
Total Lamp Lumens	7040
Luminaire Lumens	N.A.
Total Luminaire Efficiency	46 %
Downward Total Efficiency	33 %
Upward Waste Light Ratio	0.28
Maximum Candela	564.1
Maximum Candela Angle	5H 85V
Maximum Candela At 90 Degrees Vertical	530.1 (7.5% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	564.1 (8.0% Lamp Lumens)
Total Luminaire Watts	70.4
Ballast Factor	1.00

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	20.5	0.3	0.6
FM - Front-Medium (30-60)	260.1	3.7	8.1
FH - Front-High (60-80)	467.0	6.6	14.5
FVH - Front-Very High (80-90)	413.3	5.9	12.8
BL - Back-Low (0-30)	20.5	0.3	0.6
BM - Back-Medium (30-60)	260.1	3.7	8.1
BH - Back-High (60-80)	467.0	6.6	14.5
BVH - Back-Very High (80-90)	413.3	5.9	12.8
UL - Uplight-Low (90-100)	238.6	3.4	7.4
UH - Uplight-High (100-180)	666.4	9.5	20.7
<b>Total</b>	<b>3226.8</b>	<b>45.9</b>	<b>100.0</b>
<b>BUG Rating</b>	<b>B1-U4-G3</b>		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VNDL-V-64LED-350MA.IES**

**COEFFICIENTS OF UTILIZATION**

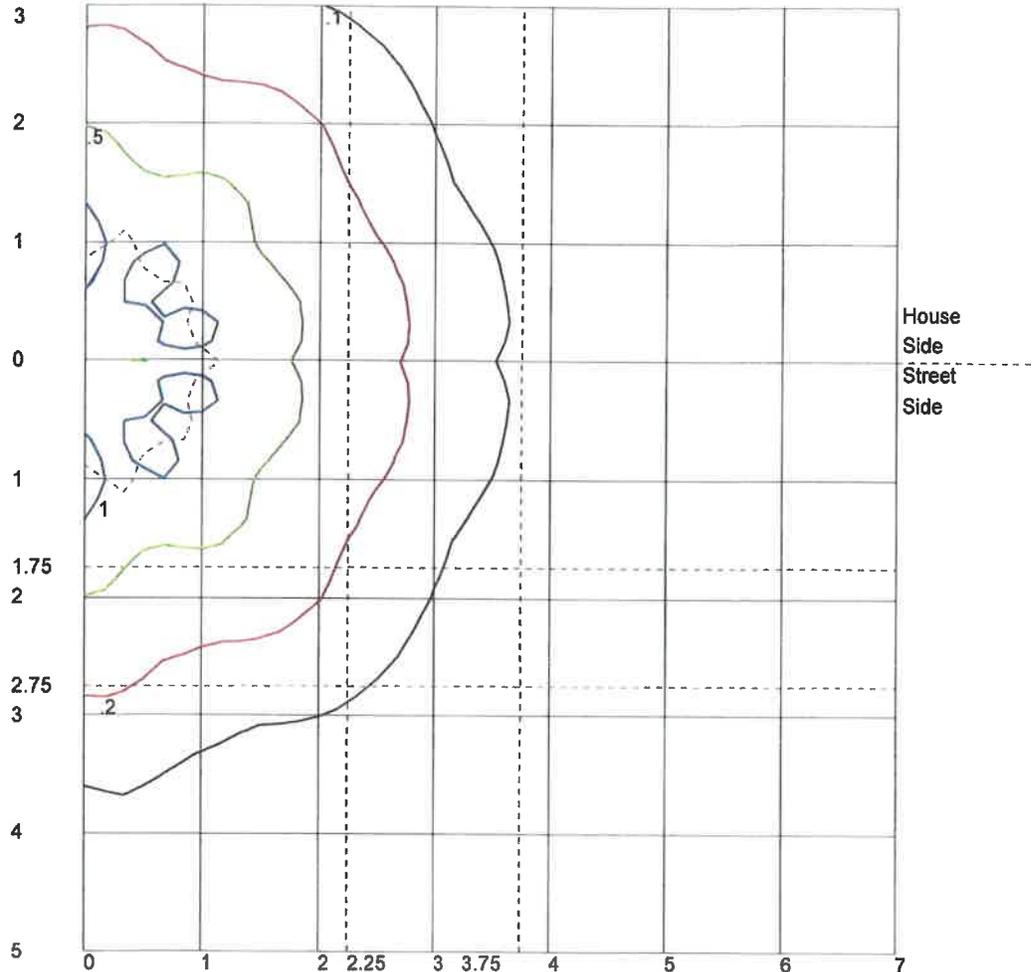


**FLUX DISTRIBUTION**

	Lumens	Percent Of Lamp
Downward Street Side	1160.9	16.5
Downward House Side	1160.9	16.5
Downward Total	2321.8	33.0
Upward Street Side	452.5	6.4
Upward House Side	452.5	6.4
Upward Total	905.0	12.9
<b>Total Flux</b>	<b>3226.8</b>	<b>45.8</b>

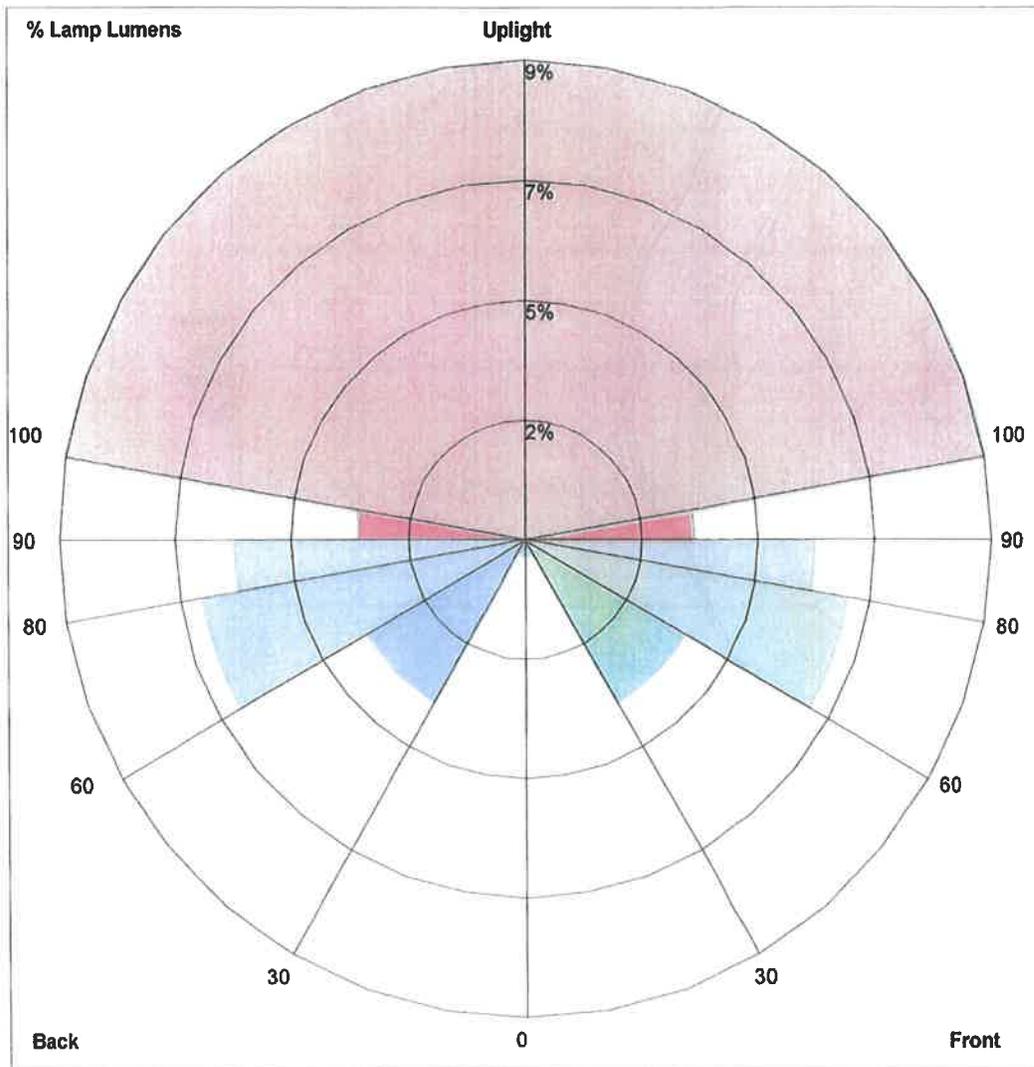
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VNDL-V-64LED-350MA.IES**

**ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE**



Distance In Units Of Mounting Height  
 Values Based On 10 Foot Mounting Height  
 1/2 Maximum Candela Trace Shown As Dashed Curve  
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH

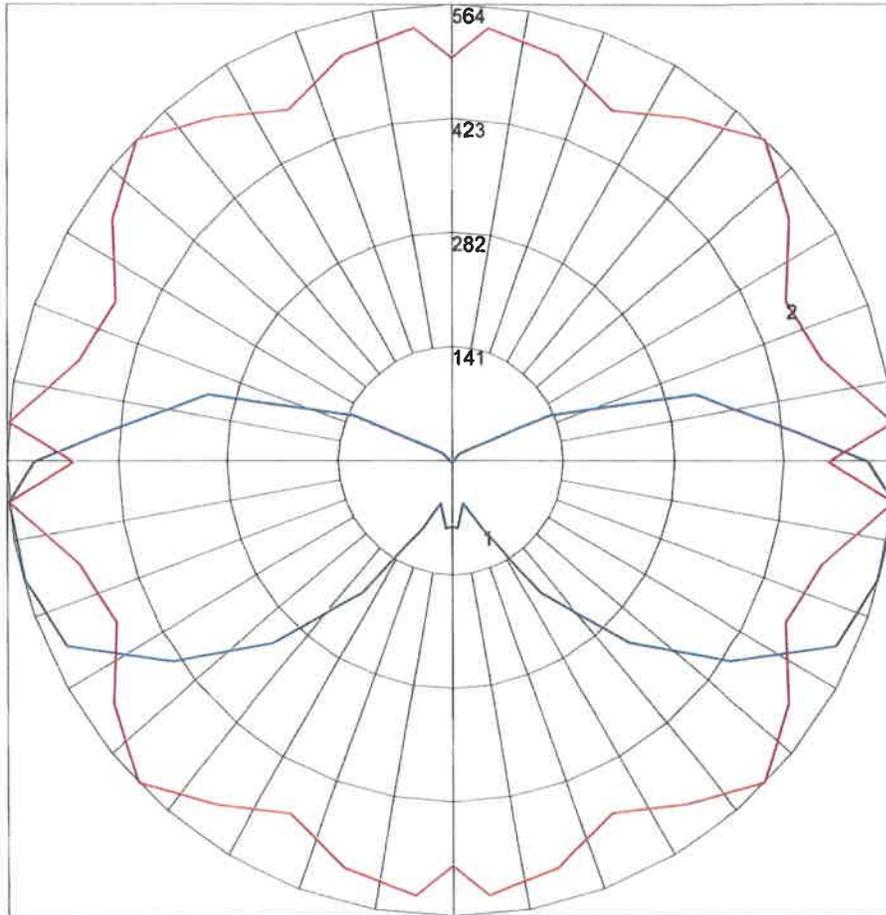


Percent Lamp Lumens:  
 Front: Low=0.3%, Medium=3.7%, High=6.6%, Very High=5.9%  
 Back: Low=0.3%, Medium=3.7%, High=6.6%, Very High=5.9%  
 Uplight: Low=3.4%, High=9.5%

BUG Rating : B1-U4-G3

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VNDL-V-64LED-350MA.IES**

**POLAR GRAPH**



Maximum Candela = 564.1 Located At Horizontal Angle = 5, Vertical Angle = 85  
# 1 - Vertical Plane Through Horizontal Angles (5 - 185) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (85) (Through Max. Cd.)

IES ROAD REPORT  
 PHOTOMETRIC FILENAME : VNDL-V-64LED-350MA.IES

CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>	<u>85</u>
0	80.06	80.06	80.06	80.06	80.06	80.06	80.06	80.06	80.06	80.06
5	94.62	82.32	64.48	76.49	68.48	71.13	71.62	76.75	72.52	68.48
15	45.13	53.26	53.67	59.02	62.96	59.34	60.41	57.86	55.55	55.89
25	89.95	90.01	64.26	79.57	97.68	96.20	75.74	91.24	88.86	94.82
35	209.29	197.31	125.22	172.90	205.29	192.83	135.87	189.98	202.19	169.88
45	334.07	317.66	240.54	269.13	324.37	294.87	239.59	296.65	324.28	276.98
55	491.84	431.70	330.37	342.36	451.02	431.01	350.00	380.10	434.30	400.68
65	556.05	540.14	413.08	427.20	532.16	537.19	447.53	471.17	516.33	497.65
75	521.85	561.79	476.20	448.60	541.73	557.42	517.14	482.27	536.54	548.67
85	480.34	564.10	488.29	469.41	524.32	563.01	518.98	480.13	520.40	538.82
90	387.41	530.10	443.12	422.46	481.03	509.71	498.41	437.84	454.17	528.55
95	369.14	435.82	389.42	349.28	400.58	444.87	418.38	370.65	383.76	424.80
105	224.25	318.38	266.60	240.29	273.91	312.82	281.31	258.82	267.69	304.45
115	107.08	136.00	119.71	112.26	125.89	144.35	124.89	115.31	127.17	139.45
125	22.96	26.04	23.46	26.54	29.73	30.71	24.57	26.61	23.86	26.09
135	15.61	14.35	12.28	9.66	13.30	14.14	11.09	12.94	14.10	11.07
145	0.46	1.16	1.06	1.04	0.95	1.08	0.96	1.33	0.97	1.07
155	0.23	0.29	0.12	0.27	0.18	0.15	0.17	0.03	0.11	0.11
165	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles

Vert. Angles	Horizontal Angles
0	90
5	80.06
15	67.85
25	60.95
35	56.34
45	122.33
55	238.35
65	357.28
75	461.74
85	496.27
90	500.48
95	444.92
105	394.64
115	282.14
125	135.20
135	26.09
145	12.02
155	1.13
165	0.00
175	0.00
180	0.00

# LED Power Array™ Specifications

**General Power Array Specifications** - LED Power Array™ consists of a three-dimensional array of individual LED tubes fastened to a retaining plate. Each LED tube houses LED emitters mounted to a vented circuit board. The circuit boards are mechanically mounted to an extruded radial heatsink and transfer the heat away from the LED emitter to the heatsink. An acrylic lens and end cap protect the components within each LED Tube.

**Angled Power Arrays For Non-Optical Lenses -**

Micro-Reflectors mounted around each LED produce precise beam patterns and control the raw output of each individual LED emitter. Each LED tube is uniquely aimed horizontally and vertically and combined to produce IES Distribution Types II, III, IV, and V. The retaining plate is field rotatable and secured with a lock nut. Angled Power Arrays are available with 8 or 10 tubes depending on lens or globe size.

**Vertical Power Arrays For Prismatic Glass Refractors, Refracting Lenses or Globes, and Opal Lenses or Globes** - 6 or 8 LED Tubes are Mounted to a retaining plate in equal radial increments for an even light distribution. The raw output of the LED emitter is utilized to simulate a standard light source while the lens or refractor provides the optical control.

**LED Emitters** - Luxeon Rebel ES emitters are mounted to vented and heat sinked circuit boards within each LED Tube. Emitters are driven at 350mA for 1 Watt each nominal output. LED's are available in Standard Neutral White (CCT 4100K) or Optional Cool White (CCT 5500K) and Warm White (CCT 3000K).

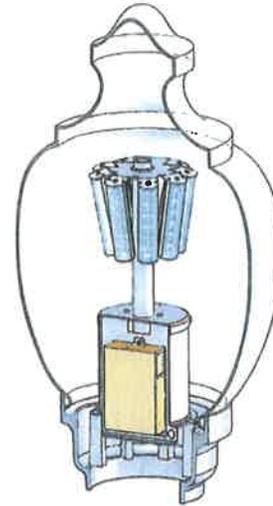
**LED Driver** - UL and CUL recognized Constant Current LED drivers operate on input voltages from 120 - 277VAC, 50/60hz and are mounted to an aluminum bracket secured to the barrier plate. Terminal blocks facilitate wiring between the driver and optical arrays, and between driver and incoming supply. Driver is independently sealed and UL Listed for wet location. Consult Factory for High-Low and dimming options.

Consult Factory for Non-Standard Options.

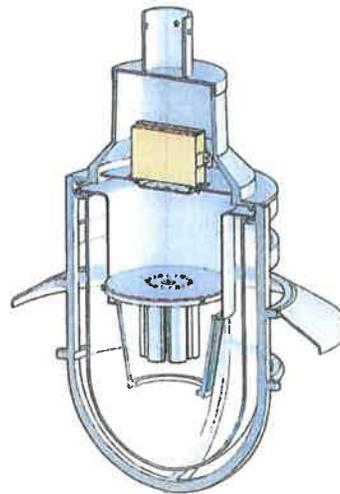
LED Tube Length	6 Tube Array # of LED's / Watts*	8 Tube Array # of LED's / Watts*	10 Tube Array # of LED's / Watts*
3.5" (4 LED)	24 / 28	32 / 37	40 / 46
5.0" (6 LED)	36 / 41	48 / 55	60 / 69
6.5" (8 LED)	48 / 55	64 / 74	80 / 92

\* Max System Watts

(Specifications subject to change without prior notice.)



Example of Base Mounted Angled Array



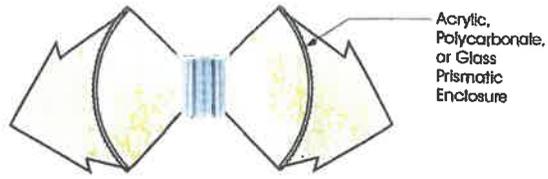
Example of Top Mounted Vertical Array

# Vertical Array with Prismatic Enclosure

## Sun Valley Luminaires Reference

See Sun Valley Binder for complete specifications and ordering information.

SCALE: 3/8" = 1'



**CTR** 64 LED's Max.



**CTRR** 64 LED's Max.



**GLR** 64 LED's Max.



**GLRC** 64 LED's Max.



**LAAR** 64 LED's Max.



**LACR** 64 LED's Max.



**LAER1** 64 LED's Max.



**LAER2** 64 LED's Max.



**LAFR1** 64 LED's Max.



**LAFR2** 64 LED's Max.



**LCGR** 64 LED's Max.



**LCVR** 64 LED's Max.



**DSARB25** 64 LED's Max.  
**DSARB1** 64 LED's Max.



**DSCR25** 64 LED's Max.  
**DSCR1** 64 LED's Max.



**DSCRB25** 64 LED's Max.  
**DSCRB1** 64 LED's Max.



**DSHR25** 64 LED's Max.  
**DSHR1** 64 LED's Max.

**MOUNTING STYLES**



PTB

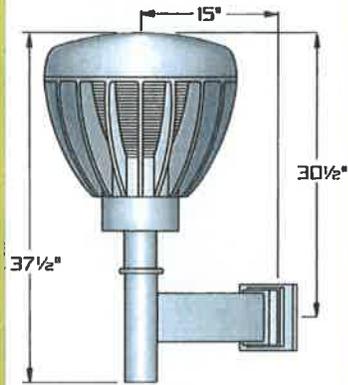


PTA

**PTB27**-TO FIT OVER 2 7/8" O.D. TENDON.

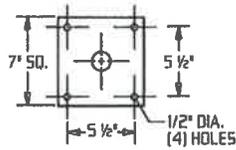
**PTB23**-TO FIT OVER 2 3/8" O.D. TENDON.

**WALL MOUNT**

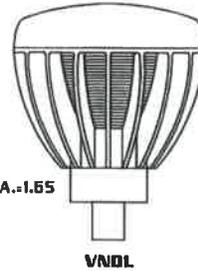


EXTRUDED ALUMINUM ARM AND CAST ALUMINUM WALL BRACKET ASSEMBLY PROVIDED WITH BUILT IN GASKETED WIRE ACCESS FOR FIXTURE/SUPPLY WIRE CONNECTION.

**WALL PLATE**

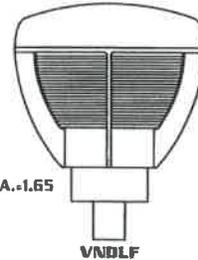


**LAMP SIZE:  
50 - 400 WATT**



E.P.A.-1.65

**VNDL**



E.P.A.-1.65

**VNDLF**

CORROSION RESISTANT, DURABLE CAST ALUMINUM

POLYCARBONATE OR ACRYLIC LENS.

SYMMETRIC OR ASYMMETRIC LIGHT DISTRIBUTION.

**ORDERING INFORMATION**

MODEL NO.:	OPTICS	WATTAGE TYPE VOLTAGE	MOUNTING	FINISH	OPTIONS
VNDL					
MODEL NO.:	<b>OPTICS</b>	<b>LAMP</b>	<b>MOUNTING</b>	<b>FINISH</b>	<b>OPTIONS</b>
<b>VNDL</b>	<input type="checkbox"/> TYPE II II..... <input type="checkbox"/> TYPE V V.....	<b>WATTAGE TYPE VOLTAGE</b> <input type="checkbox"/> 400 <input type="checkbox"/> HPS <input type="checkbox"/> 120 <input type="checkbox"/> 250 <input type="checkbox"/> MH <input type="checkbox"/> 208 <input type="checkbox"/> 200 <input type="checkbox"/> MV <input type="checkbox"/> 240 <input type="checkbox"/> 175 <input type="checkbox"/> 277 <input type="checkbox"/> 150 <input type="checkbox"/> 480 <input type="checkbox"/> 100 <input type="checkbox"/> MT <input type="checkbox"/> 75 <input type="checkbox"/> 70 <input type="checkbox"/> 50	 <input type="checkbox"/> PTA  <input type="checkbox"/> PTB23 (TO FIT 2 3/8" O.D.) <input type="checkbox"/> PTB27 (TO FIT 2 7/8" O.D.) WALL MOUNT <input type="checkbox"/> WWM .....	STANDARD TEXTURED FINISH <input type="checkbox"/> BLACK RAL-9008-T <input type="checkbox"/> WHITE RAL-9003-T <input type="checkbox"/> GREY RAL-7004-T <input type="checkbox"/> DRK BRONZE RAL-8019-T <input type="checkbox"/> GREEN RAL-6005-T FOR SMOOTH FINISH REMOVE SUFFIX -T (EXAMPLE: RAL-9503) SEE WEBSITE FOR ADDITIONAL COLORS	<input type="checkbox"/> HOUSE SIDE SHIELD 90° ..... HS 90° 135° ..... HS 135° 180° ..... HS 180° <input type="checkbox"/> ACRYLIC REFRACTOR TYPE II.....ACRII <input type="checkbox"/> ACRYLIC REFRACTOR TYPE V.....ACRV <input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V).....PC+V <input type="checkbox"/> SINGLE FUSE (120V. , 277V).....SF <input type="checkbox"/> DOUBLE FUSE (208V. , 240V).....DF

**U.S. ARCHITECTURAL LIGHTING**

600 WEST 9th Ave. O. FALLSVILLE, CA 95961  
 (916) 243-3500  
 FAX (916) 233-0200  
[www.usalighting.com](http://www.usalighting.com)

B10-2

**CITY OF NORTH LAS VEGAS  
INVITATION TO BID  
BID B-1594 Las Vegas Wash Trails LED Lighting Upgrade**

**EXHIBIT LISTING**

**Exhibit A** - Offer Statement and Business Information which consists of the following:

- (a) An individual authorized to bind the Company should sign the statement, and the date signed should follow the signature.
- (b) Provide the name and phone number of the representative authorized to negotiate on behalf of the Respondent and answer questions regarding the Bid.
- (c) Provide copies of all Respondent's held state and local licenses applicable to performance of the subject potential Contract. Any Respondent conducting business must have a City of North Las Vegas Business License upon award of the contract. Information concerning City Business License requirements and fees may be obtained by calling the Business Services Division at 702-633-1520. However, a business license is not required to provide a Bid to the City.
- (d) Acknowledgement of any Bid addenda.

**Exhibit B** – Qualifications and Experience of Respondent

**Exhibit C** –Affidavit of Rejection of Coverage for Workers' Compensation under NRS 616B.627 and NRS 617.210 (If applicable, this form must also be notarized)

**Exhibit D** – Non-Collusion Affidavit \*\* this form must be notarized \*\*

**Exhibit E** – Written Certification Required by NRS 332.065(3) for contracts with an estimated annual amount required for performance that is in excess of \$100,000.00.



**CITY OF NORTH LAS VEGAS  
INVITATION TO BID  
BID B-1594 Las Vegas Wash Trails LED Lighting Upgrade  
EXHIBIT B  
QUALIFICATIONS AND EXPERIENCE OF RESPONDENT**

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

1. Respondent shall provide a brief description of the Responder's qualifications and experience, and number of years in operation.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Provide 3 examples of contracts similar in size and scope that have been completed in the past 5 years. The City reserves the right to verify references for the companies identified. Ensure references have given permission to be contacted by the City.

**Example Contract 1:**

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

Company Address: \_\_\_\_\_  
\_\_\_\_\_

Point of Contact: \_\_\_\_\_ Phone Number: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

Brief Description of Contract Scope: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Term of Contract (Base plus Option Years): \_\_\_\_\_

Year of Base Contract Award: \_\_\_\_\_ Year Contract Completed: \_\_\_\_\_

Base Contract Amount: \$ \_\_\_\_\_ Total Contract Amount (including all option years) \$ \_\_\_\_\_

Did the contract contain a liquidated damages clause?  YES  NO

If yes, were damages assessed?  YES  NO If yes, what was the amount assessed? \$ \_\_\_\_\_

**CITY OF NORTH LAS VEGAS  
INVITATION TO BID  
BID B-1594 Las Vegas Wash Trails LED Lighting Upgrade  
EXHIBIT B – QUALIFICATIONS AND EXPERIENCE OF RESPONDENT (Continued)**

**Example Contract 2:**

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

Company Address: \_\_\_\_\_

Point of Contact: \_\_\_\_\_ Phone Number: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

Brief Description of Contract Scope: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Term of Contract (Base plus Option Years): \_\_\_\_\_

Year of Base Contract Award: \_\_\_\_\_ Year Contract Completed: \_\_\_\_\_

Base Contract Amount: \$ \_\_\_\_\_ Total Contract Amount (including all option years) \$ \_\_\_\_\_

Did the contract contain a liquidated damages clause?  YES  NO

If yes, were damages assessed?  YES  NO If yes, what was the amount assessed? \$ \_\_\_\_\_

**Example Contract 3:**

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

Company Address: \_\_\_\_\_

Point of Contact: \_\_\_\_\_ Phone Number: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

Brief Description of Contract Scope: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Term of Contract (Base plus Option Years): \_\_\_\_\_

Year of Base Contract Award: \_\_\_\_\_ Year Contract Completed: \_\_\_\_\_

Base Contract Amount: \$ \_\_\_\_\_ Total Contract Amount (including all option years) \$ \_\_\_\_\_

Did the contract contain a liquidated damages clause?  YES  NO

If yes, were damages assessed?  YES  NO If yes, what was the amount assessed? \$ \_\_\_\_\_

**(ATTACH ADDITIONAL SHEET(S) IF EXTRA SPACE IS NEEDED)**

**CITY OF NORTH LAS VEGAS  
INVITATION TO BID  
BID B-1594 Las Vegas Wash Trails LED Lighting Upgrade  
EXHIBIT C – AFFIDAVIT OF REJECTION OF COVERAGE  
FOR WORKERS' COMPENSATION  
UNDER NRS 616B.627 AND NRS 617.210**

In the State of Nevada, County of Clark, \_\_\_\_\_, being duly sworn,  
deposes and says:

1. I make the following assertions pursuant to NRS 616B.627 and NRS 617.210.
2. I am a sole proprietor who will not use the services of any employees in the performance of this Contract with the City of North Las Vegas.
3. In accordance with the provisions of NRS 616B.659, I have not elected to be included within the terms, conditions and provisions of chapters 616A to 616D, inclusive, of NRS, relating thereto.
4. I am otherwise in compliance with the terms, conditions and provisions of chapters 616A to 616D, inclusive, of NRS.
5. In accordance with the provisions of NRS 617.225, I have not elected to be included within the terms, conditions and provisions of chapter 617 of NRS.
6. I am otherwise in compliance with the terms, conditions and provisions of chapter 617 of NRS.
7. I acknowledge that the City of North Las Vegas will not be considered to be my employer or the employer of my employees, if any; and that the City of North Las Vegas is not liable as a principal contractor to me or my employees, if any, for any compensation or other damages as a result of an industrial injury or occupational disease incurred in the performance of this Contract.

I, \_\_\_\_\_, do here swear under penalty of perjury that the assertions of this affidavit are true.

Signed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

Signature \_\_\_\_\_

State of \_\_\_\_\_

County of \_\_\_\_\_

Signed and sworn to (or affirmed) before me on this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_,

by \_\_\_\_\_ (name of person making statement).

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

STAMP AND SEAL



**CITY OF NORTH LAS VEGAS  
INVITATION TO BID  
BID B-1594 Las Vegas Wash Trails LED Lighting Upgrade  
EXHIBIT D- Non-Collusion Affidavit**

State of \_\_\_\_\_ County of \_\_\_\_\_

\_\_\_\_\_ being first duly sworn deposes that:

- (1) He/She is the \_\_\_\_\_ of \_\_\_\_\_, the Respondent that has submitted the attached Bid.
- (2) He/She is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;
- (3) Such Bid is genuine and is not a collusive or sham Bid;
- (4) Neither the said Respondent nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly, with any other Respondent, firm, or person to submit a collusive or sham Bid in connection with the contract or agreement for which the attached Bid has been submitted or to refrain from making a Bid in connection with such contract or agreement, or collusion or communication or conference with any other Respondent, or, to fix any overhead, profit, or cost element of the Bid price or the Bid price of any other Respondent, or to secure through collusion, conspiracy, connivance, or unlawful agreement any advantage against the City of North Las Vegas or any person interested in the proposed contract or agreement; and
- (5) The Bid of service outlined in the Bid is fair and proper and is not tainted by collusion, conspiracy, connivance, or unlawful agreement on the part of the Respondent/team or any of its agents, representatives, owners, employees, or parties including this affiant.

(Signed): \_\_\_\_\_  
Title:

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_ 201\_\_.

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

My Commission expires: \_\_\_\_\_



**CITY OF NORTH LAS VEGAS  
INVITATION TO BID  
BID B-1594 Las Vegas Wash Trails LED Lighting Upgrade**

**EXHIBIT E- Written Certification**

Pursuant to NRS 332.065(3), a governing body or its authorized representative shall not enter into a contract with an estimated value in excess of \$100,000 with a company unless the contract includes a written certification that the company is not currently engaged in, and agrees for the duration of the contract not to engage in, a boycott of Israel.

By signing below, the Respondent agrees and certifies that they do not currently boycott Israel and will not boycott Israel during any time in which they are entering into, or while in contract, with the City. If at any time after the signing of this certification, the Respondent decides to engage in a boycott of Israel, the Respondent must notify the City in writing.

\_\_\_\_\_  
AUTHORIZED SIGNATURE NAME (TYPE OR PRINT)

\_\_\_\_\_  
LEGAL NAME OF RESPONDENT

\_\_\_\_\_  
AUTHORIZED SIGNATURE

\_\_\_\_\_  
DATE

\_\_\_\_\_  
TITLE