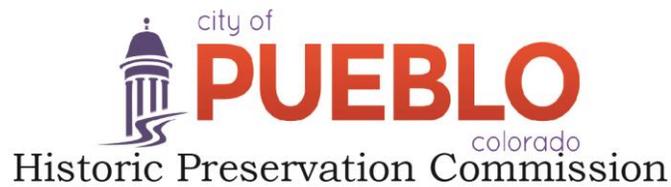


Jason Falsetto
Chair

Gregory Howell
Vice Chair

Anthony Perko
Secretary



Angela Rayne
Vice-Secretary

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HPC-20-11a (addendum)

TO: City of Pueblo Historic Preservation Commission

FROM: Alan Lamberg, Senior Planner

THROUGH: Scott Hobson, Acting Director of Planning and Community Development

DATE: February 10, 2021

SUBJECT: **Certificate of appropriateness for a rehabilitation plan**
(Addendum for follow-up items)

LOCATION: 400 South Union Avenue

CULTURAL LISTING: Holmes Hardware Building, constructed 1915, contributing element to Union Avenue Historic District, listed on National Register of Historic Places in 1982 (#82001021), rezoned to Historic Business District in 1985 by adoption of Ordinance 5216.

APPLICANT: **Nathan Stern, Full Plate Management LLC**
1440 Market St, Denver CO 80202

PROPERTY OWNER: **AMP + Associates, Inc.**
705 Hunter Dr, Pueblo CO 81001

ZONE DISTRICT: Historic Business (H-B zone) District

LEGAL DESCRIPTION: The subject property is within Block 57, South Pueblo, including lots 11 to 16 and 14.5 ft of "B" Street and ½ vacated alley adjacent (parcel 536428011), lots 17-20 and ½ vacated alley adjacent (parcel 536428012), lots 7-10, 23, portions of lots 6, 24-26, and lots 8-10, 23, and portions of lots 6, 7, 24, 25, 26 and portion of vacated alley adjacent (parcel 53648015), lots 21 and 22 and ½ vacated alley adjacent (parcel 53648016), all lots 13 to 19 and vacated alley adjacent (parcel 53645002), and portions of lots 11, 12, and portions of lots 21 and 22 (parcel 536450003) (See full legal description in the attached application).

CONCURRENT REQUESTS: None.

PURPOSE:

The applicant requests permission to extensively rehabilitate and restore the entire building and site. The scope of work affects exterior masonry walls, fenestration, with new paint, signs, lighting, a patio, and other site improvements to off-street parking and landscaping. The purpose of the work is to support a new use as a food hall on the first floor and 28 affordable apartment units on the second and third floors. Included with the application are design documents, including elevations and floor plans. *Pueblo Standards of Appropriateness*¹ were considered for this case.

The applicant submitted follow-up items as part of a commercial site plan review in October.

ANALYSIS:

The applicant is requesting a Certificate of Appropriateness per the requirements contained in Section 12, Chapter 14 – Historic Preservation Code, Title IV – Building Regulations, of the *Pueblo Municipal Code*. The Historic Preservation Commission may approve this application if it serves the goals of the historic preservation standards and recommendations.

The follow-up items as part of the original request are discussed in detail below, [with staff comments in blue](#):

1. Demolition of two non-contributing buildings as indicated on site plan. [Previously approved.](#)
2. Masonry and mortar rehabilitation. [Previously approved.](#)
3. Signage. [Previously approved.](#)
4. Exterior Paint. [Previously approved.](#)
5. Windows.
 - a. [Plan to repair many windows and replace some was previously approved with provided specifications.](#)
 - b. [However, after the applicant conducted a value engineering review, they verbally indicated that it would be infeasible to the project to repair existing windows. They stated intent to replace the windows with new Fibrex-type materials that are the same form and function. However, the current building elevations state that the windows will be aluminum clad wood replacement windows. This will need to be reconciled before plan approval.](#)
6. Doors. The 1915-era main entrance pair of wood doors and hardware will be restored. The post-period exterior basement security doors will be replaced with steel hollow metal doors with laminated safety glass lights. The overhead wood garage doors with multiple lights located along the northeast side's annex will be replaced with modern overhead roll-

¹ City of Pueblo Historic Preservation Commission. Adopted by City Council Ordinance 7379, September, 2005. *Standards of Appropriateness & Demolition Standards: For Alteration, New Construction, Reconstruction, Restoration, Rehabilitation and Relocation of Pueblo's Historic Landmarks and Districts*. Since the subject property is also listed on the National Register of Historic Places, the applicant may also refer to the Secretary of Interior's *Standards for the Treatment of Historic Properties*. Published 2017 by the National Parks Service: <https://www.nps.gov/tps/standards.htm> Specifically, Preservation Standards, recommendations for masonry, Rehabilitation Standards, recommendations for masonry, windows, entrances and porches, storefronts, and mechanical systems, and Restoration Standards, recommendations for masonry, windows, entrances and porches, and storefronts.

up commercial-grade doors likely constructed of aluminum-clad panel with the same glass divided-light pattern. [Previously approved. \(Specifications provided.\)](#)

7. Basement. [Previously approved.](#)
8. First Floor Interior Fenestration. Three new openings along the northeast wall will be introduced to the annex, and the opening for the large overhead garage door at the far southeast end of the main building will be reduced so it is consistent with the series of smaller openings. [Previously approved. Modification due to fire safety restrictions, the apartment lobby is redesigned to the southeast corner of the first floor. See revised elevation and first floor plans.](#)
 - a. [Staff comment: Revision changed the size to a double door, which is acceptable within the scope of the previous approval. \(This is not the same door as the historic door at the public entry on the north corner.\)](#)
9. Second Floor Interior Fenestration. [See above, "Windows."](#)
10. Third Floor Interior Fenestration. [See above, "Windows."](#)
11. HVAC. [Previously approved.](#)
12. Electrical. ... Pole-mounted light fixtures will be added to the parking lot. Period-appropriate exterior lighting will be installed at points of egress on the northeast and northwest sides. Exterior lighting will be installed at all points of egress and paths of egress. [Previously approved. Applicant provided an "electrical photometric plan" which includes a table on the lower left corner, outlining a schedule of exterior light fixtures. Each fixture is detailed in the manufacture product sheets, also included.](#)
 - a. [Staff comment: The *Standards of Appropriateness* require review of "lighting fixtures" but does not specify guidelines for exterior lights. The closest guidelines are 3.1.9 "Exterior Materials and Colors," pertaining to avoiding concealing original facade materials, exterior colors being harmonious in color scheme. The *Historic Business Zone District Guidelines* state that "exterior alternations ... shall not destroy historic materials that characterize the property," and that the new work shall be "differentiated from the old" and be "compatible with the mass, size, scale, and architectural features to protect the historic integrity of the property and its environment."²](#)

Applicable Standards of Appropriateness (by section):

- [1.5 Preservation Principles](#)
- [1.5.4 New Buildings](#)
- [2.3 Demolition Standards](#)
- [3.1.4 First and Upper Floors](#)
- [3.1.5 Storefronts](#)
- [3.1.6 Signs](#)
- [3.1.8 Roof forms](#)
- [3.1.9 Exterior Materials and Colors](#)
- [3.1.10 Heating, Ventilation and Cooling](#)

² City of Pueblo, (2000,) *Historic Business Zone District Guidelines*, adopted by City Council Resolution No. 9314, June 11, 2001.

FINDINGS OF FACT FOR CERTIFICATE OF APPROPRIATENESS REQUIREMENTS:

1. Conform to the intent and purpose of this code.
 - **Comments:**
[Affirmative finding for all requests](#) because the proposed project considers *Standards of Appropriateness*,³ and clearly outlines the scope of work with supporting documents.⁴

2. Preserve the special character, interest, and value of the landmark or historic district and its environs.
 - **Comments:**
[Affirmative finding for all requests](#) because the scope of work maintains the special character and historic forms of the building while promoting its continued use.

3. Not be an adverse impact on the exterior features of the landmark.
 - **Comments:**
[Affirmative finding for all requests](#) because the scope of work will preserve, repair and restore historic features.
 The replacement windows will be *Anderson Fibrex*, which are vinyl and wooden-composite materials instead of replicated wooden windows. While the material is not preferable, the window fenestration forms and functions will be preserved. This project will reproduce extensively deteriorated features while maintaining original fenestration forms and facade configurations. Specifically, the form of the storefront windows, transoms, and upper-story windows will be maintained.⁵
 The change to the apartment entry door is a necessary code-required work and is located with sensitivity to the primary facade.

4. Be harmonious with the character of an historic district (or a landmark).
 - **Comments:**
[Affirmative finding for all requests](#) because the proposed scope of work maintains the historic context of an early business district in Pueblo, specifically historic period of significance, 1870-1921. The site work, landscaping, [and exterior light fixtures](#), while not reflective of the ordinary public ways of a bygone era, would instead adhere to a contemporary, pedestrian-friendly built environment.⁶

5. Be compatible with respect to scale, form, and composition of principal facades and relationship to the street.
 - **Comments:**
[Affirmative finding for all requests](#) because the work identifies, retains, and sufficiently preserves the historic-period exterior features, especially historic masonry walls and window forms. Furthermore, the application provides reasonably complete information specifying materials, colors, and location of new features.

³ City of Pueblo, *Standards of Appropriateness*, Altering Historic Landmarks or Properties in Historic Districts, Section 1.4 & 1.5.

⁴ Furthermore, this Historic Tax Credit project will be reviewed by History Colorado staff to ensure compliance with Secretary of Interior’s Standards.

⁵ City of Pueblo, *Standards of Appropriateness*: “First Floors,” Section 3.1.4.1, and “Upper Floors,” Section 3.1.4.2.

⁶ City of Pueblo. (2013.) *City Center Streetscape Standards*.

PLANNING AND COMMUNITY DEVELOPMENT STAFF RECOMMENDATION:

Staff recommends APPROVAL of the application with the following staff conditions and standard permit conditions 1 through 13.

STAFF CONDITIONS:

1. Revise elevations to reflect scope of work for replacement windows and provide manufacturer product specifications.
2. If residential exhaust vents are not feasible for roof ducting, then revise elevations to duct them through walls that do not face Union Avenue nor B Street.
3. Refer to applicable National Parks Service Technical Preservation Briefs,⁷ which may be helpful for the project.

STANDARD PERMIT CONDITIONS:

Date of issuance of amended permit: February 10, 2021.

1. **Time Limits:** Certificate of Appropriateness shall become invalid unless work or action authorized by permit is fully executed by February 10, 2021.
2. **Required Revisions:** Any revisions or additions to plans required as a result of approval must be submitted and stamped "approved" prior to the sign-off of the building permit routing slip or business license.
3. **Changes:** The project shall be completed as shown on the plans, which have been stamped "approved" and dated by the Department of Planning and Community Development. The project shall not deviate from the approved plans without prior written approval from the Department of Planning and Community Development.
4. **Property Inspection:** By acceptance of this certificate, the Certificate holder authorizes City Officials and/or their authorized representatives, access to the subject property for the purpose of observing work in progress and inspecting and/or measuring the property or improvements as long as the use authorized by this certificate remains in effect.
5. **Certificate of Occupancy:** A certificate of occupancy must be issued by Regional Building PRIOR to use and/or occupancy of the subject premises. Prior to issuance, the Department of Planning and Community Development must certify that work has been completed in accordance with approved plans and that applicable conditions have been met. The Certificate holder may be required to provide a Letter of Credit to obtain a Certificate of Occupancy prior to completion of all required improvements.
6. **Completion and Maintenance of Improvements and Landscaping:** Certificate holder or successor in interest is responsible for completing all improvements shown on approved plans. By acceptance of this certificate, Certificate holder agrees to maintain all improvements in a satisfactory condition. Any landscaping installed according to the approved plan which becomes diseased or dies shall be replaced by similar species and size no later than the first available planting season.
7. **Building Permit; Other Permits:** Certificate holder is solely responsible for obtaining BUILDING PERMIT and all other applicable local, state, and federal permits.
8. **Off-Site Drainage:** Issuance of this certificate does not authorize the discharge of stormwater runoff or other surface drainage from the subject premises onto adjoining property or properties.

⁷ National Parks Service, *Technical Preservation Briefs*, <https://www.nps.gov/tps/how-to-preserve/briefs.htm>

9. **Appeals** of a decision of the Historic Preservation Commission can occur up to twenty (20) days following such decision. Any work done in connection with this certificate prior to the expiration of all applicable appeal periods is done SOLELY at the risk of the Certificate holder.
10. **Errors:** Certificate holder is solely responsible for the accuracy of all information contained in the Certificate of Appropriateness form and in accompanying documentation. Any errors contained therein may invalidate the Certificate of Appropriateness and may result in issuance of a code violation citation and prosecution.
11. **Transfer of Ownership:** In the event of a transfer of ownership, partial or whole, of the subject premises, the transferee shall become Certificate holder and subject to compliance with the terms and conditions of this certificate.
12. **Violations/Penalties:** A violation of any of the conditions of this certificate or of any provision of the Pueblo Municipal Code may result in a penalty of up to three hundred dollars (\$300) per day.
13. **Incorporation and Reference of All Plans Presented to the Historic Preservation Commission:** This approval incorporates by reference all plans and drawings presented and all verbal representations by the applicant at Historic Preservation Commission meetings and hearings on the subject application to the extent that they are not in conflict with other stated conditions or regulations.

ATTACHMENTS:

- A. Narrative of rehabilitation, amendment
- B. Floorplan, first floor, revised
- C. Building elevations, revised
- D. Specifications for overhead doors
- E. Specifications for Anderson Fibrex windows
- F. Photometric lighting plan
- G. Lighting fixture cut sheets and specifications



HISTORIC PRESERVATION CERTIFICATION APPLICATION AMENDMENT / ADVISORY DETERMINATION



Instructions: This page must bear the applicant's original signature and must be dated.

NPS Project Number
42311

1. **Property Name** Holmes Hardware Building
Property Address 400 S. Union Ave., Pueblo, CO 81003-3431

2. **This form** includes additional information requested by NPS for an application currently on hold.
 updates applicant or contact information.
 amends a previously submitted Part 1 Part 2 Part 3 application.
 requests an advisory determination that phase ____ of ____ phases of this rehabilitation meets the Secretary of the Interior's Standards for Rehabilitation. Phase completion date _____ Estimated rehabilitation costs of phase (QRE) _____

Summarize information here; continue on following page if necessary.

Amendment to Number 5: Exterior Paint

Paint colors will be selected from those identified in the attachment, "Fuel & Iron Historical Color Palette".

Amendment to Number 6: Windows

The windows throughout the building will be replaced with the product identified in the attached window specifications, Kolbe Ultra Series.

3. **Project Contact (if different from applicant)**

Name _____ Company _____
Street _____ City _____ State _____
Zip _____ Telephone _____ Email Address _____

4. **Applicant**

I hereby attest that the information I have provided is, to the best of my knowledge, correct. I further attest that [check one or both boxes, as applicable]:

- I am the owner of the above-described property within the meaning of "owner" set forth in 36 CFR § 67.2 (2011), and/or
 if I am not the fee simple owner of the above described property, the fee simple owner is aware of the action I am taking relative to this application and has no objection, as noted in a written statement from the owner, a copy of which (i) either is attached to this application form and incorporated herein, or has been previously submitted, and (ii) meets the requirements of 36 CFR § 67.3(a)(1) (2011).

For purposes of this attestation, the singular shall include the plural wherever appropriate. I understand that knowing and willful falsification of factual representations in this application may subject me to fines and imprisonment under 18 U.S.C. § 1001, which, under certain circumstances, provides for imprisonment of up to 8 years.

Name Nathan Stern Signature (Sign in ink) [Signature] Date 10/27/20

Applicant Entity Full Plate Management, LLC SSN 522-57-7877 or TIN _____

Street 1440 Market St. City Denver State CO

Zip 80202 Telephone (720) 480-4592 Email Address nstern@broadstreetrealty.com

Applicant, SSN, or TIN has changed since previously submitted application.

NPS Official Use Only

The National Park Service has reviewed this amendment to the Historic Preservation Certification Application and has determined that the amendment:

- meets the Secretary of the Interior's Standards for Rehabilitation.
 will meet the Secretary of the Interior's Standard for Rehabilitation if the attached conditions are met.
 does not meet the Secretary of the Interior's Standards for Rehabilitation.
 updates the information on file and does not affect the certification.

Advisory Determinations:

- The National Park Service has determined that the work completed in this phase is consistent with the Secretary of the Interior's Standards for Rehabilitation. This determination is advisory only. A formal certification of rehabilitation can be issued only after all rehabilitation work and any associated site work or new construction have been completed. This approval could be superseded if it is found that the overall rehabilitation does not meet the Secretary's Standards. A copy of this form will be provided to the Internal Revenue Service.

Date _____ National Park Service Authorized Signature (Sign in ink) _____

NPS conditions or comments attached

**HISTORIC PRESERVATION CERTIFICATION APPLICATION
AMENDMENT / ADVISORY DETERMINATION**

Property Name Holmes Hardware Building NPS Project Number 42311

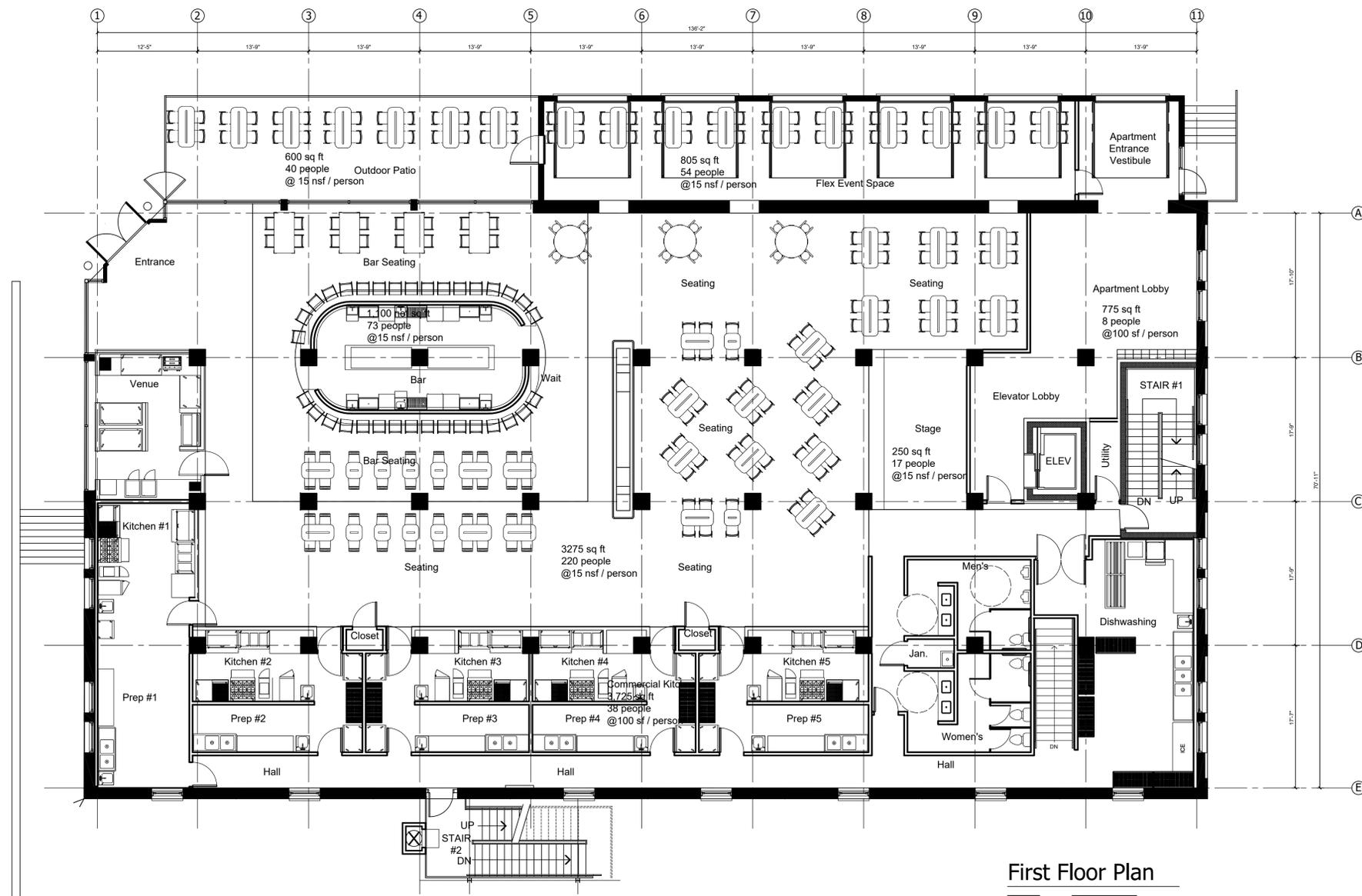
Property Address 400 S. Union Ave., Pueblo, CO 81003-3431

Amendment to Number 7: Doors (Overhead)

The overhead garage doors on the northeast side annex will be replaced with the product identified in the attached specifications, Overhead Door Corporation's 521 Series, with an appearance that mimics the existing (see attached elevation).

Amendment to Numbers 8 and 9: Basement and First Floor Interior

Due to fire safety restrictions, the apartment lobby will be moved to the southeast corner of the first floor. A revised elevation and first floor plans depicting this change in layout are attached.



First Floor Plan



REVISION	DATE	REVIEWED BY	MARK
PLAN REVIEW COMMENTS			△
PLAN REVIEW COMMENTS			△
PLAN REVIEW COMMENTS			△
PLAN REVIEW COMMENTS			△

PROJECT NAME: HOLMES HARDWARE BLOCK
 400 S. UNION STREET
 PUEBLO, COLORADO 81003

SHEET TITLE: First Floor Plan

HORVAT ARCHITECTS

6607 S. Forest Way
 Unit D
 General, CO 80121
 303.823.3006
 info@horvat.com

PREPARED UNDER THE DIRECT SUPERVISION OF JOHN SMITH, COLORADO REGISTRATION NO. 55555.

SCALE: _____

DATE: _____

DESIGN BY: _____

DRAWN BY: _____

CHECKED BY: _____

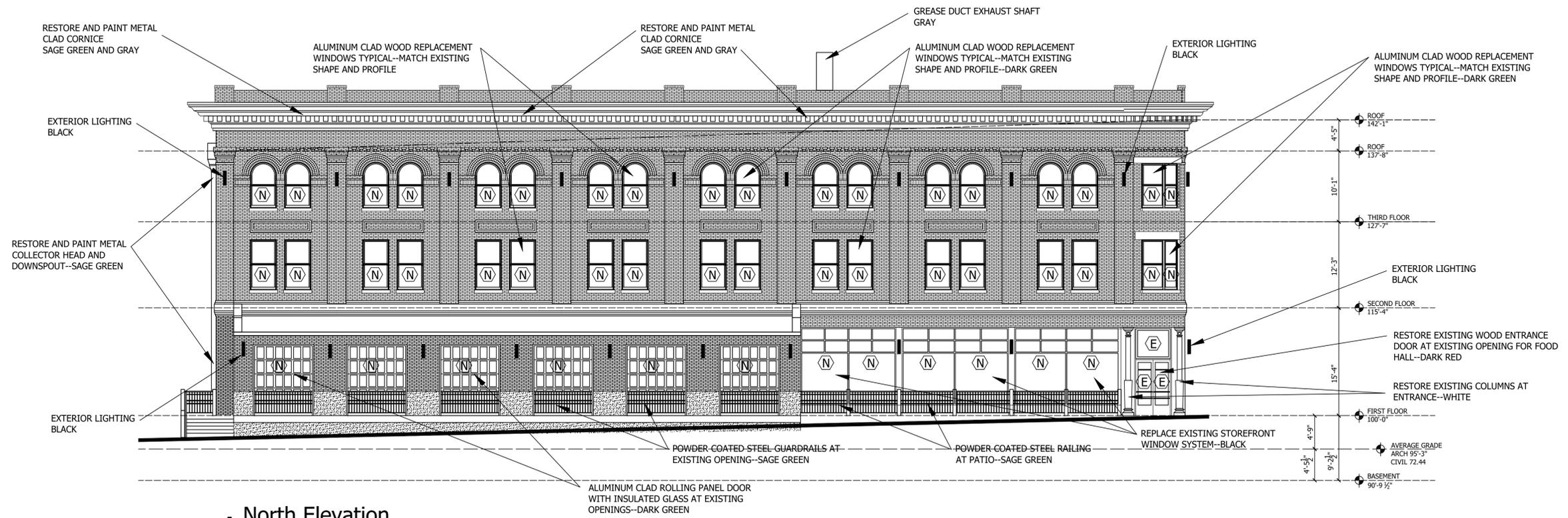
FILE: _____

JOB NO. _____

A-1.1
SHEET 17 OF 22

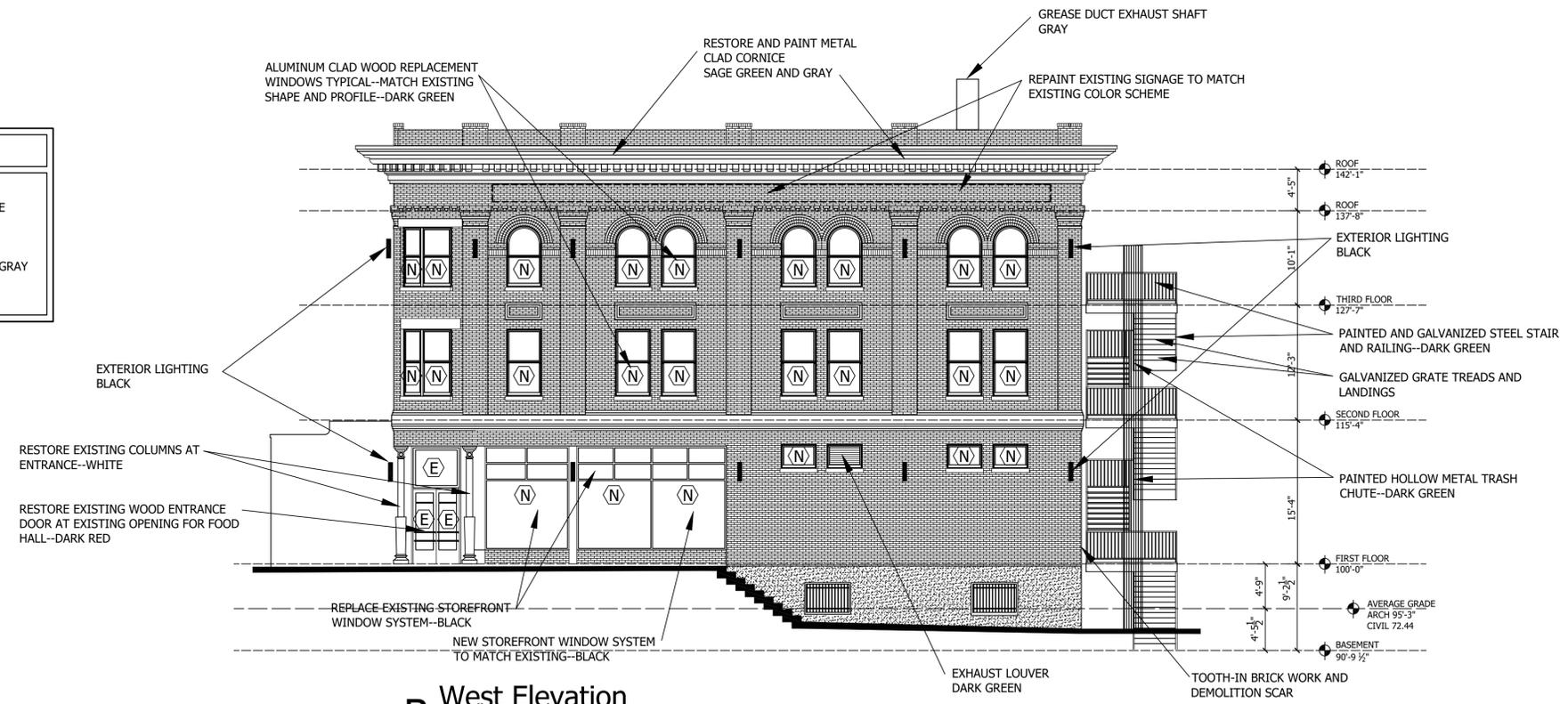
CITY APPROVAL STAMP





A North Elevation
Scale 1/8" = 1'-0"

Color Key	
ELEVATION COLOR	PANTONE NUMBER OR NAME
DARK GREEN	PANTONE 5477
SAGE GREEN	PANTONE 5625
GRAY	PANTONE WARM GRAY
DARK RED	PANTONE 484
BLACK	BLACK 6



B West Elevation
Scale 1/8" = 1'-0"

CITY APPROVAL STAMP



DATE	REVIEWED BY	MARK	DATE	REVISION	PLAN REVIEW COMMENTS
		△			
		△			
		△			
		△			
		△			

PROJECT NAME: HOLMES HARDWARE BLOCK
 400 S. UNION STREET
 PUEBLO, COLORADO 81003

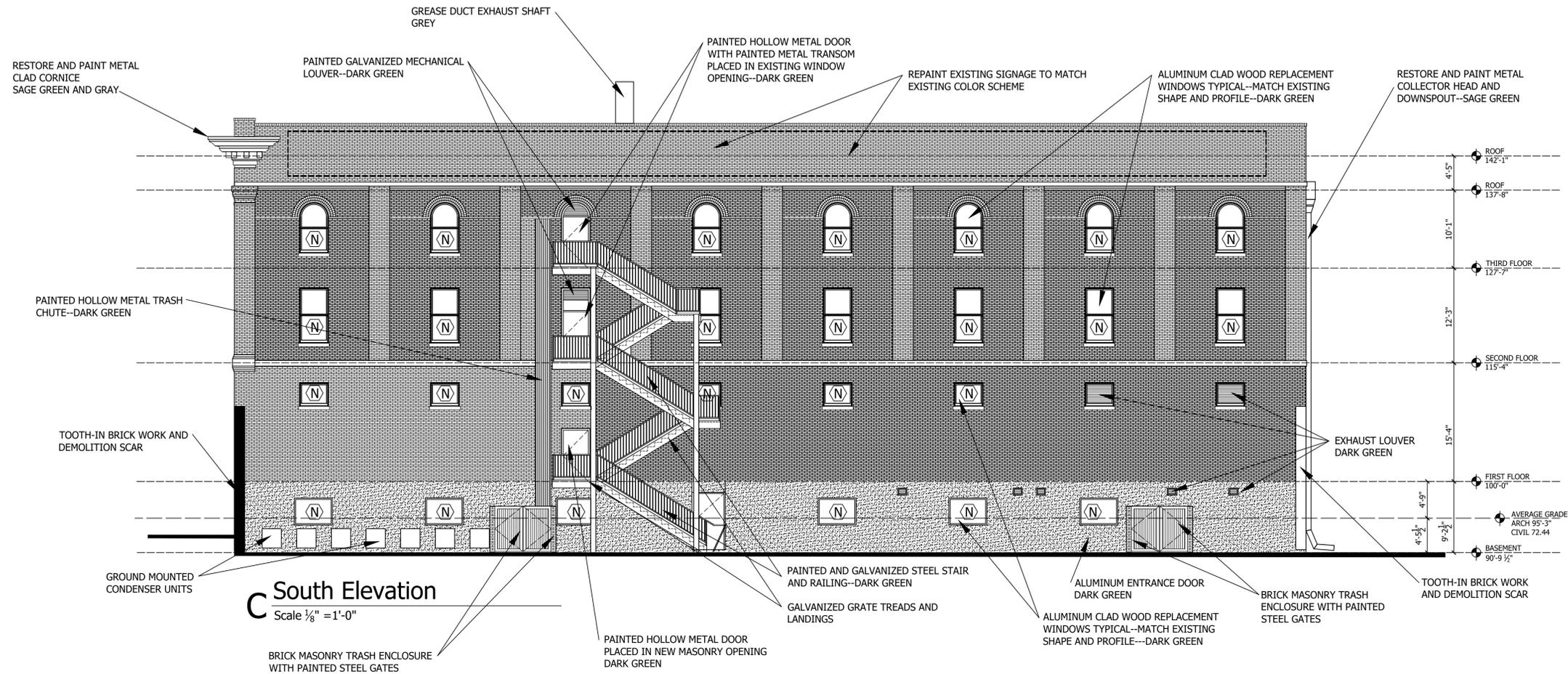
SHEET TITLE: Building Elevations

HORVAT ARCHITECTS
 6607 S. Forest Way
 URB D
 Central, CO 80121
 303.832.8306
 info@horvat.com

PREPARED UNDER THE DIRECT SUPERVISION OF JOHN SMITH, COLORADO REGISTRATION NO. 55555.

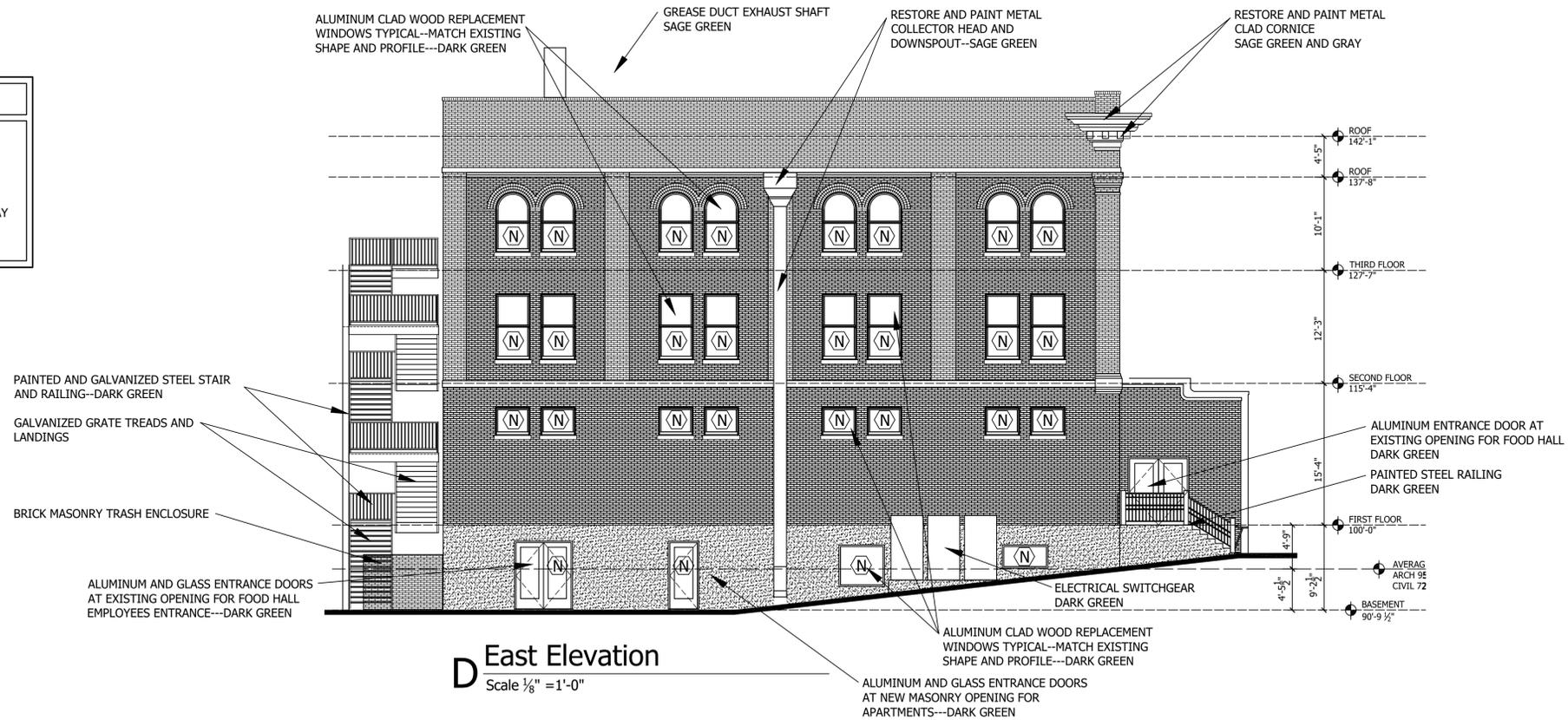
SCALE:
 DATE:
 DESIGN BY:
 DRAWN BY:
 CHECKED BY:
 FILE:
 JOB NO.

A-2.1
 SHEET 21 OF 22



C South Elevation
Scale 1/8" = 1'-0"

Color Key	
ELEVATION COLOR	PANTONE NUMBER OR NAME
DARK GREEN	PANTONE 5477
SAGE GREEN	PANTONE 5625
GRAY	PANTONE WARM GRAY
DARK RED	PANTONE 484
BLACK	BLACK 6



D East Elevation
Scale 1/8" = 1'-0"

CITY APPROVAL STAMP

REVISION	DATE	REVIEWED BY	MARK

PROJECT NAME	HOLMES HARDWARE BLOCK 400 S. UNION STREET PUEBLO, COLORADO 81003
SHEET TITLE	Building Elevations

SCALE:	
DATE:	
DESIGN BY:	
DRAWN BY:	
CHECKED BY:	
FILE:	
JOB NO.	

PREPARED UNDER THE DIRECT SUPERVISION OF JOHN SMITH, COLORADO REGISTRATION NO. 55555.	
	
<p>6607 S. Forest Way Unit B Garden City, CO 80121 303.523.3090 info@horvat.com</p>	

A-2.2	
SHEET 21 OF 22	

SECTION 08 36 00

SECTIONAL OVERHEAD DOORS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Glazed Aluminum Sectional Overhead Doors
- B. Electric Operators and Controls.
- C. Operating Hardware, tracks, and support.

1.2 RELATED SECTIONS

- A. Section 03300 - Cast-In-Place Concrete: Prepared opening in concrete. Execution requirements for placement of anchors in concrete wall construction.
- B. Section 04810 - Unit Masonry Assemblies: Prepared opening in masonry. Execution requirements for placement of anchors in masonry wall construction.
- C. Section 05500 - Metal Fabrications: Steel frame and supports.
- D. Section 06114 - Wood Blocking and Curbing: Rough wood framing and blocking for door opening.
- E. Section 07900 - Joint Sealers: Perimeter sealant and backup materials.
- F. Section 08710 - Door Hardware: Cylinder locks.
- G. Section 09900 - Paints and Coatings: Field painting.
- H. Section 11150 – Parking Control Equipment: Remote door control.
- I. Section 16130 - Raceway and Boxes: Empty conduit from control station to door operator.
- J. Section 16150 - Wiring Connections: Electrical service to door operator.

1.3 REFERENCES

- A. ANSI/DASMA 102 - American National Standard Specifications for Sectional Overhead Type Doors.

1.4 DESIGN / PERFORMANCE REQUIREMENTS

- A. Wind Loads: Design and size components to withstand loads caused by pressure and suction of wind acting normal to plane of wall as calculated in accordance with applicable code.
 - 1. Design pressure of 30 lb/sq ft.

- B. Wiring Connections: Requirements for electrical characteristics.
 - 1. 115 volts, single phase, 60 Hz.
- C. Single-Source Responsibility: Provide doors, tracks, motors, and accessories from one manufacturer for each type of door. Provide secondary components from source acceptable to manufacturer of primary components.

1.5 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Shop Drawings: Indicate plans and elevations including opening dimensions and required tolerances, connection details, anchorage spacing, hardware locations, and installation details.
- D. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
- E. Operation and Maintenance Data.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum five years documented experience.
- B. Installer Qualifications: Authorized representative of the manufacturer with minimum five years documented experience.
- C. Products Requiring Electrical Connection: Listed and classified by Underwriters Laboratories, Inc. acceptable to authority having jurisdiction as suitable for purpose specified.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened labeled packaging until ready for installation.
- B. Protect materials from exposure to moisture until ready for installation.
- C. Store materials in a dry, ventilated weathertight location.

1.8 PROJECT CONDITIONS

- A. Pre-Installation Conference: Convene a pre-installation conference just prior to commencement of field operations, to establish procedures to maintain optimum working conditions and to coordinate this work with related and adjacent work.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Overhead Door Corp., 2501 S. State Hwy. 121, Suite 200, Lewisville, TX 75067. ASD. Tel. Toll Free: (800) 275-3290. Phone: (469) 549-7100. Fax: (972) 906-1499. Web Site: www.overheaddoor.com. E-mail: sales@overheaddoor.com.
- B. Substitutions: Approved Equal.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 GLAZED ALUMINUM SECTIONAL OVERHEAD DOORS

- A. Glazed Sectional Overhead Doors: 521 Series Aluminum Doors by Overhead Door Corporation.
 - 1. Door Assembly: Stile and rail assembly secured with 1/4 inch (6 mm) diameter through rods.
 - a. Panel Thickness: 1-3/4 inches (44 mm).
 - b. Center Stile Width: 2-11/16 inches (68 mm)
 - c. Applied Center Stile Width: 2-11/16 inches (68 mm)
 - d. End Stile Width: 3-5/16 inches (84 mm)
 - e. Intermediate Rail Pair Width: 3-11/16 inches (94 mm).
 - f. Top Rail Width:
 - 1) 2-3/8 inches (60 mm).
 - g. Bottom Rail Width:
 - 1) 3-3/4 inches (95 mm).
 - h. Aluminum Panels: 0.050 inch (1.3 mm) thick, aluminum.
 - i. Stiles and Rails: 6063 - T6 aluminum.
 - j. Springs:
 - 1) 25,000 cycles.
 - k. Glazing:
 - 1) 1/2 inch (12.5 mm) Low E Insulated glazing.
 - 2. Finish and Color:
 - a. Powder Coating Finish: Color as selected by Architect from manufacturer's standard colors.
 - 3. Windload Design: Provide to meet the Design/Performance requirements specified.
 - 4. Hardware: Galvanized steel hinges and fixtures. Ball bearing rollers with hardened steel races.
 - 5. Lock: Interior galvanized single unit.
 - 6. Weatherstripping:
 - a. Flexible bulb-type strip at bottom section.
 - b. Flexible Jamb seals.
 - c. Flexible Header seal.
 - 7. Track: Provide track as recommended by manufacturer to suit loading required and clearances available.
 - 8. Electric Motor Operation: Provide UL listed electric operator, size and type as recommended by manufacturer to move door in either direction at not less than 2/3 foot nor more than 1 foot per second. Operator shall meet UL325/2010 requirements for continuous monitoring of safety devices.

- a. Entrapment Protection: Required for momentary contact, includes radio control operation.
 - 1) Photoelectric sensors monitored to meet UL 325/2010.
- b. Operator Controls:
 - 1) Key operated control stations with open, close, and stop buttons.
 - 2) Surface mounting.
 - 3) Interior location.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until openings have been properly prepared.
- B. Verify wall openings are ready to receive work and opening dimensions and tolerances are within specified limits.
- C. Verify electric power is available and of correct characteristics.
- D. If preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install overhead doors and track in accordance with approved shop drawings and the manufacturer's printed instructions.
- B. Coordinate installation with adjacent work to ensure proper clearances and allow for maintenance.
- C. Anchor assembly to wall construction and building framing without distortion or stress.
- D. Securely brace door tracks suspended from structure. Secure tracks to structural members only.
- E. Fit and align door assembly including hardware.
- F. Coordinate installation of electrical service. Complete power and control wiring from disconnect to unit components.

3.4 CLEANING AND ADJUSTING

- A. Adjust door assembly to smooth operation and in full contact with weatherstripping.

- B. Clean doors, frames and glass.
- C. Remove temporary labels and visible markings.

3.5 PROTECTION

- A. Do not permit construction traffic through overhead door openings after adjustment and cleaning.
- B. Protect installed products until completion of project.
- C. Touch-up, damaged coatings and finishes and repair minor damage before Substantial Completion.

END OF SECTION 08 36 00

ENGINEER

RAMIREZ,
JOHNSON, &
ASSOCIATES, LLC
3377 BLAKE ST,
SUITE 101
DENVER, CO 80205
P: 720.598.0774

GENERAL NOTES (THIS SHEET)

A. NO SUBSTITUTIONS, ADDITIONS, OR CHANGES MAY BE MADE WITHOUT PRIOR APPROVAL BY THE CITY OF PUEBLO.

B. PRIOR TO ISSUING A CERTIFICATE OF OCCUPANCY THE CITY MAY REQUIRE CERTIFICATION THAT THE PROPERTY IS COMPLIANT WITH THE APPROVED PLANS AND REGULATIONS OF THE CITY.

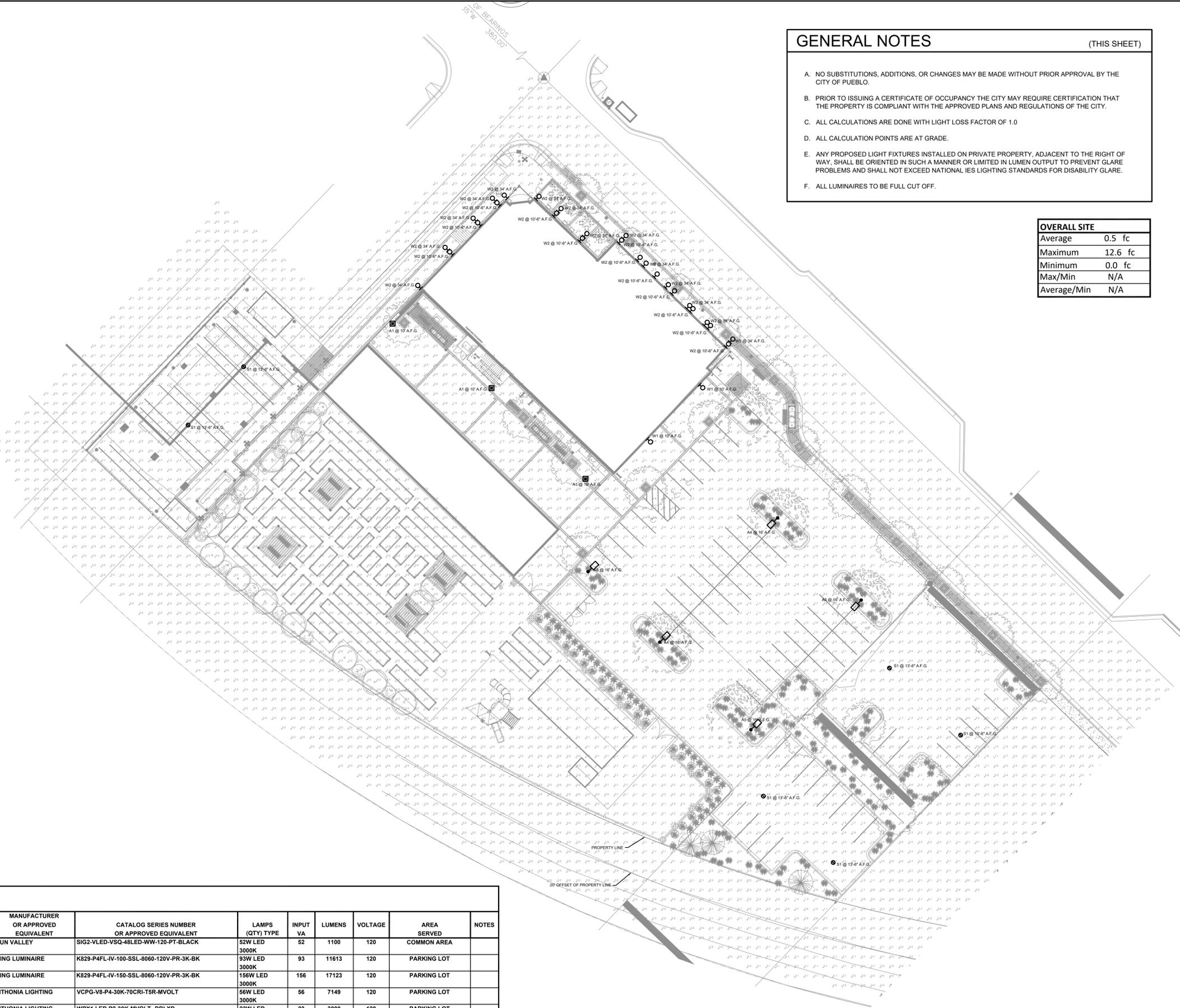
C. ALL CALCULATIONS ARE DONE WITH LIGHT LOSS FACTOR OF 1.0

D. ALL CALCULATION POINTS ARE AT GRADE.

E. ANY PROPOSED LIGHT FIXTURES INSTALLED ON PRIVATE PROPERTY, ADJACENT TO THE RIGHT OF WAY, SHALL BE ORIENTED IN SUCH A MANNER OR LIMITED IN LUMEN OUTPUT TO PREVENT GLARE PROBLEMS AND SHALL NOT EXCEED NATIONAL IES LIGHTING STANDARDS FOR DISABILITY GLARE.

F. ALL LUMINAIRES TO BE FULL CUT OFF.

OVERALL SITE	
Average	0.5 fc
Maximum	12.6 fc
Minimum	0.0 fc
Max/Min	N/A
Average/Min	N/A



LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER OR APPROVED EQUIVALENT	CATALOG SERIES NUMBER OR APPROVED EQUIVALENT	LAMPS (QTY) TYPE	INPUT VA	LUMENS	VOLTAGE	AREA SERVED	NOTES
A1	10' POLE MOUNTED COMMON ARE LED LUMINAIRE TYPE 5 DISTRIBUTION	SUN VALLEY	SIG2-VLED-VSQ-48LED-WW-120-PT-BLACK	52W LED 3000K	52	1100	120	COMMON AREA	
A4	16' POLE MOUNTED PAKRKRNG LOT LED LUMINAIRE TYPE 4 DISTRIBUTION	KING LUMINAIRE	K829-P4FL-IV-100-SSL-8060-120V-PR-3K-BK	93W LED 3000K	93	11613	120	PARKING LOT	
A5	16' POLE MOUNTED PAKRKRNG LOT LED LUMINAIRE TYPE 5 DISTRIBUTION	KING LUMINAIRE	K829-P4FL-IV-150-SSL-8060-120V-PR-3K-BK	156W LED 3000K	156	17123	120	PARKING LOT	
S1	19" DIAMETER LED PARKING AREA LIGHT TYPE 5 DISTRIBUTION	LITHONIA LIGHTING	VCPG-V8-P4-30K-70CRI-T5R-MVOLT	56W LED 3000K	56	7149	120	PARKING LOT	
W1	EXTERIOR RATED GENERAL ILLUMINATION WALL SCONCE	LITHONIA LIGHTING	WPX1 LED P2-30K-MVOLT-DBLXD	23W LED 3000K	23	3000	120	PARKING LOT	
W2	EXTERIOR ARCHITECTURAL WALL WASH LED SCONCE	WAC LIGHTING	WS-W36610-3000K-11W-745-560-BK	11W LED 3000K	11	560	120	BUILDING EXTERIOR	

GENERAL NOTES:
 A. LUMINAIRE SHOWN WITH CATALOG NUMBERS ARE THE BASIS OF DESIGN. SIMILAR BY OTHER LISTED MANUFACTURERS ARE ACCEPTABLE.
 B. CONTRACTOR TO VERIFY LIGHT FIXTURE CATALOG NUMBER AND INSTALLATION REQUIREMENTS PRIOR TO ORDERING.
 C. VERIFY TRIM COMPATIBILITY WITH CEILING TYPE PRIOR TO SUBMITTALS.

SCHEDULED NOTES:
 1. PROVIDE WITH 90 MINUTE BATTERY BACKUP, INTEGRAL SELF DIAGNOSTICS, ARROWS AS SHOWN ON PLANS AND MOUNTING TYPE AS SHOWN ON PLAN.

1 ELECTRICAL PHOTOMETRIC PLAN
 SCALE: 1"=25'

100% DESIGN DEVELOPMENT PACKAGE FOR PRICING 9/2/2020

FUEL AND IRON
 400 S UNION AVE,
 PUEBLO, CO 81003

DATE: 16-10-2020
 PROJECT: 20.086
 RELEASE:
 SDP 2020-10-16

PHOTOMETRIC PLAN

ES0.1

SOLID STATE AREA LIGHTING

SIGMA SERIES-LED

SPECIFICATIONS

HOUSING

Heavy cast low copper aluminum assembly (A356 alloy, <0.2% copper). Minimum wall thickness is .188". Traditional styling of the housing provided with cast aluminum housing top hinges for easy access.

✓LED[®] OPTICAL MODULE

Low copper A356 alloy (<.2% copper) cast aluminum housing. Integrated clear tempered 3/16" glass lens sealed with a continuous silicone gasket protects emitters (LED's) and emitter Reflector-Prism optics, and seals the module from water intrusion and environmental contaminants. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Each emitter is optically controlled by a Reflector-Prism injection molded from H12 acrylic (3 types per module; one from 0° - 50°; one from 50° - 65°; one from 65° - 72°). Each Reflector-Prism has indexing pins for aiming and is secured to an optical plate made of matte black anodized aluminum. The optical plate locates every Reflector-Prism over an emitter. Reflector-Prisms are secured to the optical plate with a UV curing adhesive. The Reflector-Prisms are arrayed to produce IES Type II, III, IV, and V-SQ distributions. The entire Optical Module is field rotatable in 90° increments. Both module and drivers are factory wired using water resistant, insulated cord. Lens, module and drivers are field replaceable.

LED EMITTERS

High Output LED's are driven at 350mA for nominal 1 Watt output each. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

LED DRIVER

UL and CUL recognized High Power Factor, Constant Current LED drivers operate on input voltages from 120-277VAC, 50/60hz. Consult Factory for 347-480VAC. Driver is mechanically fastened to a retaining bracket. Main power quick disconnect provided. Driver has a minimum 4KV of internal surge protection, 10KV & 20KV Surge Protector optional. Dimming and High-Low Driver options available.

FINISH

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

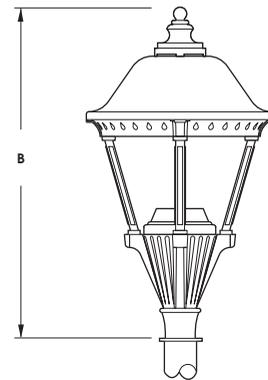
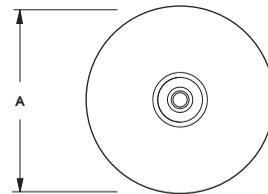
PROJECT NAME: _____

FIXTURE TYPE: _____



SIGMA

PATENT PENDING



Fitter supplied to fit over 2 7/8" X 3"
(73mm X 76mm) tennon.

FIXTURE	A	B
SIG1	23.5" 597mm	41.75" 1060mm
SIG2	18.5" 470mm	32" 813mm



2020182

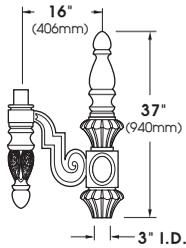


SIGMA SERIES - LED

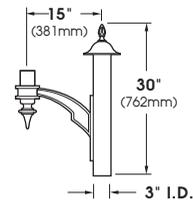
S P E C I F I C A T I O N S

MOUNTING STYLES

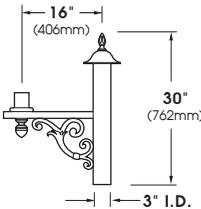
XAC



XAZ

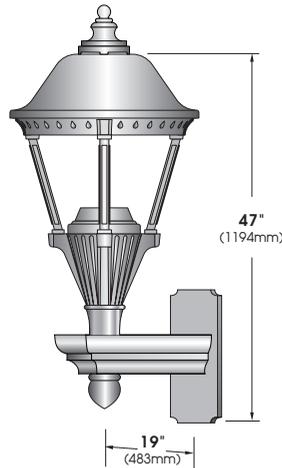


XAT



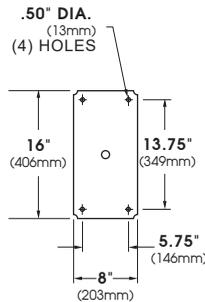
ARMS ARE HEAVY WALL EXTRUDED ALUMINUM CONSTRUCTION. FOR ADDITIONAL ARM OPTIONS SEE ARM SECTION.

WALL MOUNT

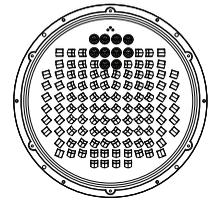
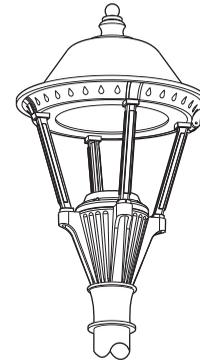


ARM BRACKET EXTRUDED AND CAST ALUMINUM CONSTRUCTION.

WALL PLATE

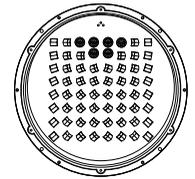
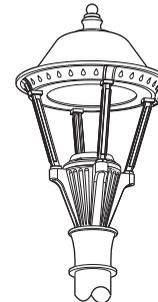


LED[®] MODULES



100 LED Module

SIG1 E.P.A. = 1.65
Available in:
100, 80, & 64
LED Module



64 LED Module

SIG2 E.P.A. = 1.05
Available in:
64 & 48
LED Module

O R D E R I N G I N F O R M A T I O N

LUMINAIRE	OPTICS	# of LED's	COLOR	VOLTAGE	MOUNTING	FINISH	OPTIONS
LUMINAIRE	OPTICS	LED			MOUNTING	FINISH	OPTIONS
<input type="checkbox"/> SIG1	<input type="checkbox"/> VLED - II (Type-II)	SIG1	<input type="checkbox"/> NW (4000K)* *STANDARD	<input type="checkbox"/> 120	<input type="checkbox"/> PT	<input type="checkbox"/> BLACK RAL-9005-T	<input type="checkbox"/> INTERNAL HOUSE SIDE SHIELDS...HS-VLED
<input type="checkbox"/> SIG2	<input type="checkbox"/> VLED - III (Type-III)	<input type="checkbox"/> 100LED (110 Watts)	<input type="checkbox"/> CW (5000K)	<input type="checkbox"/> 208	<input type="checkbox"/> 1	<input type="checkbox"/> WHITE RAL-9003-T	<input type="checkbox"/> DIMMABLE DRIVER(S) (0-10V)...DIM
	<input type="checkbox"/> VLED - IV (Type-IV)	<input type="checkbox"/> 80LED (89 Watts)	<input type="checkbox"/> WW (3000K)	<input type="checkbox"/> 240	<input type="checkbox"/> 2-180	<input type="checkbox"/> GREY RAL-7004-T	<input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR...HLSW
	<input type="checkbox"/> VLED - VSQ (Type-VSQ)	<input type="checkbox"/> 64LED (72 Watts)	OTHER LED COLORS AVAILABLE CONSULT FACTORY	<input type="checkbox"/> 277	<input type="checkbox"/> 2-90	<input type="checkbox"/> DARK BRONZE RAL-8019-T	<input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V)...PC+V
		SIG2		<input type="checkbox"/> 347	<input type="checkbox"/> 3-90	<input type="checkbox"/> GREEN RAL-6005-T	<input type="checkbox"/> 10KV SURGE PROTECTOR...10SP
		<input type="checkbox"/> 64LED (72 Watts)		<input type="checkbox"/> 480	<input type="checkbox"/> 3-120	FOR SMOOTH FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9500)	<input type="checkbox"/> 20KV SURGE PROTECTOR (277V & 480V Only)...20SP
		<input type="checkbox"/> 48LED (53 Watts)			<input type="checkbox"/> 4-90	SEE USALTG.COM FOR ADDITIONAL COLORS	
		Wattages are Max Input Watts			WALL MOUNT		
					<input type="checkbox"/> WM		
					SEE USALTG.COM FOR ADDITIONAL ARMS		





K829 AURORA SR. - LED

The K829 Aurora Sr. provides a gently curved, shrouded fixture, designed to increase roadway performance while providing superior spacing. Suitable for off roadway applications as well, this time-less design can be used in both contemporary and historical settings. A 3/4 scaled version of this fixture is also available.



King Luminaire

PRODUCT SPECIFICATIONS

LED ENGINE

Light engine shall include an array of 60 or 84 solid state Cree X-Series high power LEDs (light emitting diodes). The emitters shall be mounted to a metal core circuit board using SMT technology. The LEDs and circuit boards shall then be mounted to a high performance heat sink which is vented to the outside ambient air to provide dynamic airflow for cooling the system.

OPTICS

External light control shall consist of high precision refractive lenses mounted above the LED emitter arrays in such a way to achieve optimum uplight control. The lenses shall also control horizontal light distribution so that Type II, III, IV or V IESNA distribution patterns are achieved.

LENS

The K829 Aurora Sr. pendant is available with or without a lens. Lens options include; clear sag glass lens; clear shallow glass lens; rippled acrylic deep dish lens or rippled glass deep dish lens. The sag and shallow glass lens shall be made of #9000 clear borosilicate glass (fully annealed). It shall maintain a minimum thickness of 0.3". The rippled acrylic deep dish globe shall be moulded of acrylic Acrylite Plus Acrylic Polymer, or equivalent, having a minimum thickness of 0.09". The rippled glass deep dish lens shall be made of clear borosilicate glass (fully annealed) with a rippled pattern. It shall maintain a minimum thickness of 0.25". The lens is secured by means of a cast aluminum holding ring. Additionally, a continuous circular gasket rated for 270°F will assist in sealing the lens and provide an IP66 ingress rating.

DECORATIVE BODY

The luminaire shall consist of an aluminum alloy 383 housing that acts as the enclosure for the engine and is of adequate thickness to give structural rigidity. The engine must be affixed to the inside of the housing with stainless steel screws.

The bottom decorative portion of the K829 Aurora Sr. fixture is comprised of a one-piece spun aluminum alloy with a minimum thickness of 0.09". The spinning is permanently affixed to the cast housing with the use of stainless steel hardware.

PLUMBIZER

The K829 Aurora Sr. comes with multiple mounting options including the KPL10, KPL11, KPL20, KPL21, KPL30, KPL31 and KPL40. Please contact King Luminaire for more details and specifications.

DRIVER

The LED universal dimmable driver will be class 2 and capable of 120 - 277V or 347 - 480V input voltage, greater than 0.9 power factor, less than 20% total harmonic distortion. The case temperature of the driver can range from -40°C to 70°C. Each LED system comes with a standard surge protection designed to withstand up to 20kV/10kA of transient line surge as per IEEE C62.41.2 C High. An in-line ferrite choke is utilized to provide protection against EFT's. The driver assembly will be mounted on a heavy duty fabricated aluminum bracket to allow complete tool-less maintenance. Dimming capable using 1-10vdc (10% to 100%), 10v PWM, or resistance.

PHOTOMETRICS

Fixtures are tested to IESNA LM79 specifications. These reports are available upon request.

CHROMATICITY

High output LEDs come standard at 3000K & 4000K (+/- 300K) with a minimum nominal 70 CRI. Additional CCT emitters are available upon request.

LUMEN MAINTENANCE

Reported (TM21) and Calculated (L70) reports are available upon request with a minimum calculated value of 100,000 hrs.

WIRING

All internal wiring and connections shall be completed so that it will be necessary only to attach

the incoming supply connectors to Mate-N-Lok connectors or to a terminal block. Mate-N-Lok shall be certified for 600V operation. Internal wire connectors shall be crimp connector only and rated at 1000V and 150°C. All wiring to be CSA certified and/or UL listed, type SFF-2, SEWF-2, or SEW-2 No. 14 gauge, 150°C, 600V, and color coded for the required voltage.

THERMALS

Fixtures tested to DOE sanctioned standards to determine the maximum in-situ solder-point or junction-point temperatures of the LED emitters. This report is available upon request.

FINISH

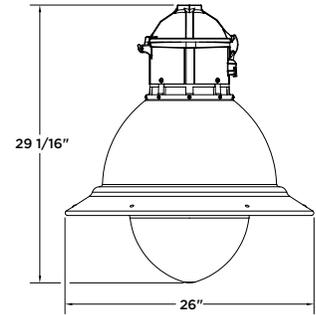
Housing is finished with a 13 step KingCoat™ SuperDurable polyester TGIC powder coat. Standard colors include strobe white, brown metal, marina blue, gate gray, Chicago bronze, standard gold, standard black, federal green and rain forest. Please see our website for a complete list of colors. RAL and custom color matches are available.

MISCELLANEOUS

All exterior hardware and fasteners, wholly or partly exposed, shall be stainless steel alloy. All internal fasteners are stainless steel or zinc coated steel. All remaining internal hardware is stainless steel, aluminum alloy, or zinc coated steel.

WARRANTY

The K829 Aurora Sr. LED luminaire comes with a 7 year limited warranty.



CERTIFICATION:

CSA US Listed
Suitable for wet locations
ISO 9001
IP66
ARRA Compliant
LM79 / LM80 Compliant

DRIVER INFO:

>0.9 Power Factor
<20% Total Harmonic Distortion
120 - 277V & 347 - 480V
-40°C Min. Case Temperature
70°C Max. Case Temperature
Surge Protection: ANSI C136.2
extreme level 20kV/10kA
Dimming Capable: 1-10vdc

EPA:

Flat Lens:	1.61 sq. ft.
Sag Lens:	1.71 sq. ft.
Shallow Lens:	2.03 sq. ft.
Deep Dish Acrylic:	2.48 sq. ft.
Deep Dish Glass:	2.48 sq. ft.

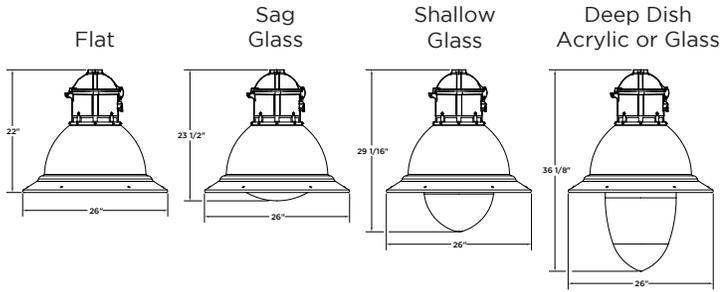
FIXTURE WEIGHT:

Flat Lens:	32 lbs
Sag Lens:	37 lbs
Shallow Lens:	40 lbs
Deep Dish Acrylic:	40 lbs
Deep Dish Glass:	45 lbs

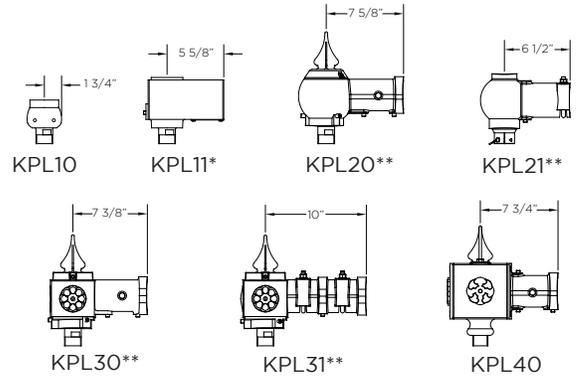


Not all product variations listed on this page are DLC qualified. Visit www.designlights.org search to confirm qualification. Contact King Luminaire for product specifications that are exempt from CSA Certification. 10-13-2020

Lens Options



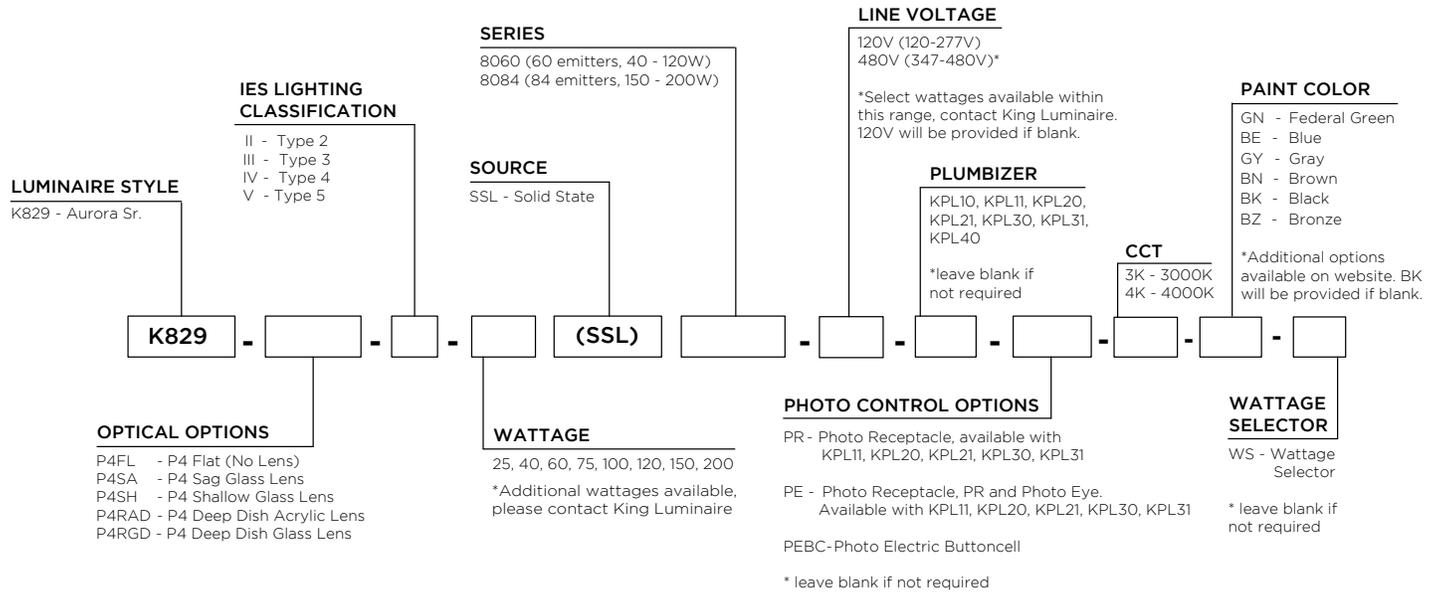
Plumbizer/Mounting Options



*Available with PR7

**Available with PR7 or finial

HOW TO ORDER





VCPG LED Parking Garage



Catalog
Number

Notes

Type

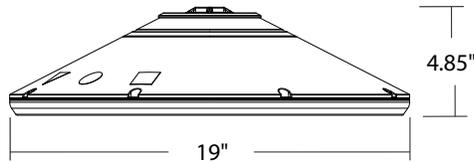
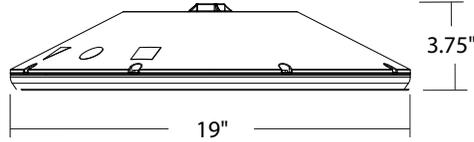
Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

Diameter: 19"

Height: 3.75"
(4.85" with Up-Light)

Weight 18 lbs
(max, with
no options):



A+ Capable options indicated by this color background.

Introduction

The all new VCPG LED (Visually Comfortable Parking Garage) luminaire is designed to bring glare control, optical performance and energy savings into one package. The recessed lens design of VCPG LED minimizes high angle glare, while its precision molded acrylic lens eliminates LED pixilation and delivers the required minimums, verticals and uniformity. The dedicated up-light module option reduces the contrast between the luminaire and the ceiling creating a more visually comfortable environment.

The VCPG LED delivers up to 87% in energy savings when replacing 175W metal halide luminaires. With over 100,000 hour life expectancy (12+ years of 24/7 continuous operation), the VCPG LED luminaire provides significant maintenance savings over traditional luminaires.

Ordering Information

EXAMPLE: VCPG LED V4 P4 40K 70CRI T5M MVOLT SRM DNAXD

VCPG LED								
Series	LED Light Engines	Package	Color temperature	Color Rendering Index	Distribution	Voltage	Mounting	
VCPG LED	V4 ¹ 4 Light Engines	P1 ¹	30K 3000 K	70CRI	T5M Type V, medium	MVOLT	Shipped included PM Pendant mount standard (24-inch length supply leads) SRM Surface mount (24-inch length supply leads) ARM Arm mount (use RSXWBA accessory to mount to a wall) Shipped separately YK Yoke/trunnion mount ³	
		P2 ¹	35K 3500 K	80CRI				
	V8 ¹ 8 Light Engines	P3 ¹	40K 4000 K	T5R ² Type V, rectangular	347	120		
		P4 ¹	50K 5000 K			T5W Type V, wide		208
		P5 ¹	TSE Type V entry					240
		P6 ¹						277
		P7 ¹						347
						LANE ² Drive lane	480	

Options		Finish (required)
Shipped installed	Standalone Sensors/Controls²	DWHXD White
UPL1 Up-Light: 500 lumens	PIR Motion/ambient sensor for 8-15' mounting heights	DNAXD Natural aluminum
UPL2 Up-Light: 700 lumens	PIRH Motion/ambient sensor for 15-30' mounting heights	DDBXD Dark bronze
E8WC Emergency battery backup, Certified in CA Title 20 MAEDBS (8W, -20°C min) ^{4,5,6}	PIR3FC3V Motion/ambient sensor for 8-15' mounting heights, pre programmed to 3fc and 35% light output	DBLXD Black
E10WH Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min) ^{4,5,6}	PIRH3FC3V Motion/ambient sensor for 15-30' mounting heights, pre programmed to 3fc and 35% light output	
HA High ambient (50°C, only P1-P4)	PIR3FC3V924 UL924 Listed motion/ambient sensor for emergency circuit for 8-15' mounting heights, pre programmed to 3fc and 35% light output ⁸	
SF Single fuse (120V, 277V, 347V)	PIRH3FC3V924 UL924 Listed motion/ambient sensor for emergency circuit for 15-30' mounting heights, pre programmed to 3fc and 35% light output ⁸	
DF Double fuse (208V, 240V, 480V)	Networked Sensors/Controls²	
SPD10KV 10KV Surge Pack	NLTAIR2 PIR nLIGHT AIR Wireless enabled motion/ambient sensor for 8-15' mounting heights	
LDS36 36in (3ft) lead length	NLTAIR2 PIRH nLIGHT AIR Wireless enabled motion/ambient sensor for 15-30' mounting heights	
LDS72 72in (6ft) lead length	NLTAIR2 PIR924 nLIGHT AIR Wireless enabled, UL 924 Listed motion/ambient sensor for emergency circuits for 8-15' mounting heights ⁹	
LDS108 108in (9ft) lead length	NLTAIR2 PIRH924 nLIGHT AIR Wireless enabled, UL 924 Listed motion/ambient sensor for emergency circuits for 15-30' mounting heights ⁹	
DMG External 0-10V leads (no controls) ⁷	XAD XPoint™ Wireless enabled ¹⁰	
Shipped Separately	XAD924 XPoint™ Wireless enabled, UL 924 Listed for emergency circuit ^{8,10}	
WG Wire Guard	XAD PIR XPoint™ Wireless enabled motion/ambient sensor for 8-15' mounting heights	
BDS Bird Shroud	XAD PIRH XPoint™ Wireless enabled motion/ambient sensor for 15-30' mounting heights	
HS House Side Shield	XAD924 PIR XPoint™ Wireless enabled, UL 924 Listed motion/ambient sensor for emergency circuits for 8-15' mounting heights ⁸	
	XAD924 PIRH XPoint™ Wireless enabled, UL 924 Listed motion/ambient sensor for emergency circuits for 15-30' mounting heights ⁸	



Ordering Information Cont.

Accessories

Ordered and shipped separately.

VCPGBDS DWHXD U	Bird shroud for PM (specify finish)
VCPGBDS YK DWHXD U	Bird shroud for YK (specify finish)
VCPGUBDS DWHXD U	Bird shroud for PM with Up-Light (specify finish)
VCPGUBDS YK DWHXD U	Bird shroud for YK with Up-Light (specify finish)
VCPGSRM U	Surface mount kit, with no Up-Light
VCPGSRM U	Surface mount kit, with Up-Light
VCPGWG U	Wire guard
SLVSQ	Quick mount pendant swivel kit, square
SLVRD	Quick mount pendant swivel kit, round
VCPG YK DWHXD U	Yoke mount kit (specify finish)
RSXWBA DWHXD U	RSX WBA wall bracket (specify finish)

NOTES

- 1 P1-P6 not available with V8. P7 not available with V4.
- 2 Not available with P7.
- 3 Only vertical height adjustment. No angle adjustment. Use PM and SLVSQ or SLVRD for mounting to angled ceiling or canopies.
- 4 Not available with 347V or 480V.
- 5 E8WC and E10WH only rated up to 35°C ambient.
- 6 E8WC & E10WH only available with P1-P4 packages.
- 7 DMG option not available with standalone or networked sensors/controls.
- 8 Power interruption delay >30 milliseconds required for operation. Refer sequence of operations on page 4 for more details. BDS not available with UPL1 or UPL2.
- 9 Not available with P6 & P7. Power interruption delay >200 milliseconds required for operation. Refer sequence of operations on page 4 for more details.
- 10 XAD & XAD924 not available with PIR3FC3V924 and PIRH3FC3V924.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	Watts	Distribution Type	30K (3000K, 70 CRI)		35K (3500K, 70 CRI)		40K (4000K, 70 CRI)		50K (5000K, 70 CRI)	
			Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
P1	27W	TSE	3,581	135	3,670	138	3,815	144	3,876	146
		TSM	3,620	136	3,710	140	3,856	145	3,917	147
		TSW	3,592	135	3,681	139	3,827	144	3,888	146
		TSR	3,464	130	3,550	134	3,690	139	3,749	141
		LANE	3,507	132	3,594	135	3,736	141	3,796	143
P2	34W	TSE	4,577	135	4,691	138	4,876	144	4,954	146
		TSM	4,626	136	4,741	140	4,928	145	5,007	147
		TSW	4,591	135	4,705	139	4,891	144	4,968	146
		TSR	4,427	130	4,537	134	4,716	139	4,791	141
		LANE	4,482	132	4,594	135	4,775	141	4,851	143
P3	43W	TSE	5,808	134	5,952	137	6,187	143	6,286	145
		TSM	5,870	135	6,015	139	6,253	144	6,353	146
		TSW	5,825	134	5,970	138	6,205	143	6,304	145
		TSR	5,617	130	5,757	133	5,984	138	6,079	140
		LANE	5,688	131	5,829	134	6,059	140	6,155	142
P4	56W	TSE	7,391	131	7,575	135	7,874	140	7,999	142
		TSM	7,470	133	7,656	136	7,958	141	8,085	144
		TSW	7,414	132	7,597	135	7,898	140	8,023	143
		TSR	7,149	127	7,326	130	7,615	135	7,737	137
		LANE	7,238	129	7,418	132	7,711	137	7,834	139
P5	82W	TSE	10,189	124	10,442	127	10,854	132	11,027	134
		TSM	10,298	125	10,553	128	10,970	134	11,145	136
		TSW	10,220	124	10,473	128	10,887	133	11,060	135
		TSR	9,855	120	10,099	123	10,498	128	10,665	130
		LANE	9,978	121	10,226	124	10,629	129	10,799	131
P6	108W	TSE	12,878	120	13,197	123	13,719	127	13,937	129
		TSM	13,015	121	13,338	124	13,865	129	14,086	131
		TSW	12,917	120	13,237	123	13,760	128	13,979	130
		TSR	12,455	116	12,764	119	13,268	123	13,480	125
		LANE	12,611	117	12,924	120	13,435	125	13,649	127
P7	122W	TSE	15,503	125	15,887	128	16,515	133	16,778	135
		TSM	15,668	126	16,057	129	16,691	135	16,957	137
		TSW	15,549	125	15,935	129	16,564	134	16,828	136

Up-light Lumen Output

Up-light Option	Watts	Lumens
UPL1	6.5W	519
UPL2	8.5W	715

Lumen Multiplier for 80CRI

CCT	Multiplier
30K	0.926
35K	0.945
40K	0.967
50K	0.965

Lumen Ambient Temperature (LAT) Multipliers

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

Ambient	Lumen Multiplier
0°C / 32°F	1.03
10°C / 50°F	1.02
20°C / 68°F	1.01
25°C / 77°F	1
30°C / 86°F	0.99
40°C / 104°F	0.98

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.97	0.94	0.89

Electrical Load

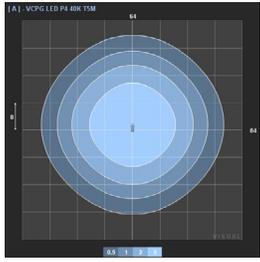
Power Package	System Watts	Current (A)					
		120V	208V	240V	277V	347V	480V
P1	27W	0.22	0.13	0.12	0.10	0.08	0.06
P2	34W	0.28	0.16	0.14	0.13	0.10	0.08
P3	43W	0.37	0.21	0.18	0.16	0.13	0.09
P4	56W	0.48	0.28	0.24	0.21	0.16	0.12
P5	82W	0.68	0.40	0.35	0.30	0.24	0.18
P6	108W	0.91	0.52	0.45	0.39	0.32	0.23
P7	124W	1.03	0.59	0.51	0.44	0.37	0.27



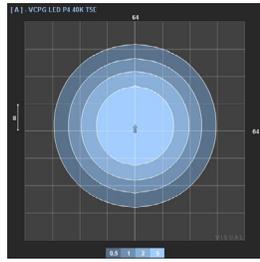
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the [Lithonia Lighting VCPG LED homepage](#).
Tested in accordance with IESNA LM-79 and LM-80 standards

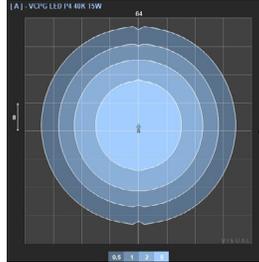
VCPG LED P4 T5M 40K



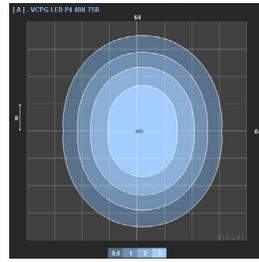
VCPG LED P4 T5E 40K



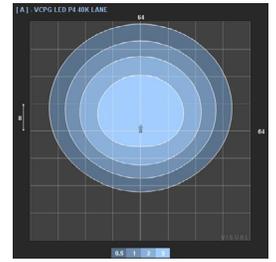
VCPG LED P4 T5W 40K



VCPG LED P4 T5R 40K



VCPG LED P4 LANE 40K



Control/Sensor Options

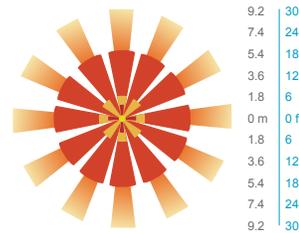
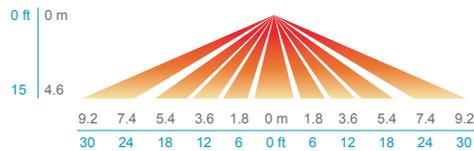
Motion/Ambient Sensor (PIR, PIRH)

Motion/Ambient sensor (Sensor Switch MSOD, Xpoint MSOD) is integrated into the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

Networked Control (NLTAIR2)

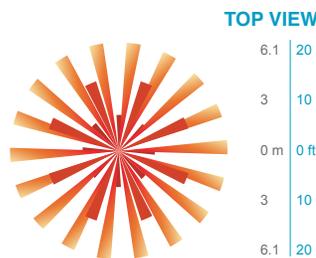
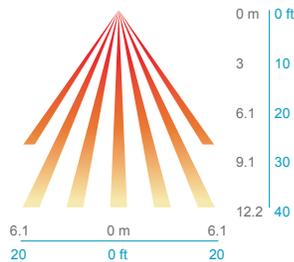
nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

PIR HIGH VIEW



PIRH

SIDE VIEW



Motion/Ambient Sensor Default Settings

Option	Dim Level	High Level (when triggered)	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR3FC3V or PIRH3FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 3fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec

Sequence of Operations for UL924 Listed Controls/Sensors (PIR3FC3V924, PIRH3FC3V924, XAD924, NLTAIR2 PIR924, NLTAIR2 PIRH924)

The UL924 listed control/sensor ("device") is designed to provide full light output for 90 minutes following power loss ("Egress Mode"), ignoring both manual and automatic dimming/occupancy/daylight control signals during this time. The sequence of operations is as follows:

- Normal condition: device can dim and turn off the luminaire as normal, in response to automatic and manual control.
- Utility power fails, and luminaire loses power.
- Backup power source activates, transfer switch moves the emergency circuit powering the luminaire onto the backup source, and luminaire regains power.
- The device detects this power interruption, if it is >30ms (for PIR3FC3V924, PIRH3FC3V924, XAD924) or >200ms (for NLTAIR2 PIR924, NLTAIR2 PIRH924).
- The device ignores all dimming commands and controls the driver to full light output for 90 minutes.
- The device resumes normal dimming controls after 90 minutes.

These UL924 listed controls/sensors are not intended for use with Non-interruptible central emergency power systems. The power interruption, when transferring from normal utility power to emergency backup power, is required for the controller to activate its Egress Mode and provide full light output.



Mounting, Options & Accessories



PM – Pendant Mount
(compatible with 3/4" NPT, pendant stem provided by others)
D = 19"
H = 4.1"



SRM – Surface Mount
D = 19"
H = 4.1"



SRM – Surface Mount with Up-Light
D = 19"
H = 5.3"



YK – Yoke/Trunnion Mount
D = 19"
H (Yoke) = 10"-18"



ARM – Arm Mount
L = 28"
W = 19"
H = 8"



PIR & PIRH – Motion/Ambient sensor
D = 19"
H = 4.6" (no up-light)
or 5.6" (with up-light)



BDS – Bird shroud for pendant mount
D = 19"
H = 8"



BDS – Bird shroud for yoke mount
D = 19"
H (Yoke) = 10"-18"



WG – Wire guard
D = 19"
H = 4.9" (no up-light)
or 5.9" (with up-light)



HS – House side shield
D = 19"
H = 7.1" (no up-light) or
8.1" (with up-light)

FEATURES & SPECIFICATIONS

INTENDED USE

The visually comfortable optics, energy savings, and long life of the VCPG LED Parking Garage luminaire make it an ideal choice for new commercial installations and retrofit parking garage opportunities. It is designed to meet or exceed recommended illuminance criteria when installed as a direct replacement of most HID parking garage luminaires. Its modern dayform and aesthetics also make it appealing for indoor low-bay applications.

CONSTRUCTION

Two-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. The LED driver is separated from the heat generating light engines and mounted in direct contact with the casting to promote low operating temperatures, higher lumen maintenance and long life. The housing is completely sealed against moisture and environmental contaminants (IP66) and is suitable for hose-down application.

FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling.

OPTICS

Light guide technology provides a diffused light source, reducing glare from direct view of the LEDs. The light source is recessed into the luminaire, further reducing the high angle glare from the luminaire. A combination of precision molded micro prismatic acrylic lenses and back reflectors provide five different photometric distributions tailored specifically to parking garage applications. Up-light option comes with a dedicated light engine and custom optic designed to efficiently spread light on to the ceiling, thus reducing the cave effect.

ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L89/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%, and a minimum 6.0 KV surge rating. When ordering the SPD10KV option, a separate 10kV (5kA) surge protection device is installed within the luminaire which meets a minimum Category C low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Standard configuration accepts a rigid or free-swinging 3/4" NPT stem for pendant mounting. The surface mount option attaches to a 4x4" recessed or surface mount outlet box using a quick-mount kit (included); kit contains galvanized steel luminaire and outlet box plates and a full pad gasket. Kit has an integral mounting support that allows the luminaire to hinge down for easy electrical connections. Luminaire and plates are secured with set screws. Also, available with a yoke/trunnion mount option with 3/4" NPT provision for flexible conduit entry (conduit by others); height can be adjusted from 10-18". Supply leads are 24" in length as standard. Longer supply leads are available as additional options. Design can withstand up to a 3.0 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. IP66 rated for outdoor applications. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

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





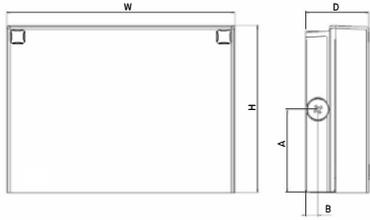
WPX LED Wall Packs



Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications



Front View

Side View

Luminaire	Height (H)	Width (W)	Depth (D)	Side Conduit Location		Weight
				A	B	
WPX1	8.1" (20.6 cm)	11.1" (28.3 cm)	3.2" (8.1 cm)	4.0" (10.3 cm)	0.6" (1.6 cm)	6.1 lbs (2.8kg)
WPX2	9.1" (23.1 cm)	12.3" (31.1 cm)	4.1" (10.5 cm)	4.5" (11.5 cm)	0.7" (1.7 cm)	8.2 lbs (3.7kg)
WPX3	9.5" (24.1 cm)	13.0" (33.0 cm)	5.5" (13.7 cm)	4.7" (12.0 cm)	0.7" (1.7 cm)	11.0 lbs (5.0kg)

Introduction

The WPX LED wall packs are energy-efficient, cost-effective, and aesthetically appealing solutions for both HID wall pack replacement and new construction opportunities. Available in three sizes, the WPX family delivers 1,550 to 9,200 lumens with a wide, uniform distribution.

The WPX full cut-off solutions fully cover the footprint of the HID glass wall packs that they replace, providing a neat installation and an upgraded appearance. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life. Photocell and emergency egress battery options make WPX ideal for every wall mounted lighting application.

Ordering Information

EXAMPLE: WPX2 LED 40K MVOLT DDBXD

Series	Color Temperature	Voltage	Options	Finish
WPX1 LED P1	1,550 Lumens, 11W ¹ 30K 3000K	MVOLT 120V - 277V	(blank) None	DDBXD Dark bronze
WPX1 LED P2	2,900 Lumens, 24W 40K 4000K	347 347V ³	E4WH Emergency battery backup, CEC compliant (4W, 0°C min) ²	DWHXD White
WPX2 LED	6,000 Lumens, 47W 50K 5000K		E14WC Emergency battery backup, CEC compliant (14W, -20°C min) ²	DBLXD Black
WPX3 LED	9,200 Lumens, 69W		PE Photocell ³	Note : For other options, consult factory.

Note: The lumen output and input power shown in the ordering tree are average representations of all configuration options. Specific values are available on request.

NOTES

- All WPX wall packs come with 6kV surge protection standard, except WPX1 LED P1 package which comes with 2.5kV surge protection standard. Add SPD6KV option to get WPX1 LED P1 with 6kV surge protection. Sample nomenclature: WPX1 LED P1 40K MVOLT SPD6KV DDBXD
- Battery pack options only available on WPX1 and WPX2.
- Battery pack options not available with 347V and PE options.

FEATURES & SPECIFICATIONS

INTENDED USE

The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the one-for-one replacement of existing HID wall packs. The WPX1, WPX2 and WPX3 are ideal for replacing up to 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform, wide distribution.

CONSTRUCTION

WPX feature a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP66 rated, and sealed against moisture or environmental contaminants.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs and LED lumen maintenance of L90/100,000 hours. Color temperature (CCT) options of 3000K, 4000K and 5000K with minimum CRI of 70. Electronic drivers ensure system power factor >90% and THD <20%. All luminaires have 6kV surge protection (Note: WPX1 LED P1 package comes with a standard surge protection rating of 2.5kV. It can be ordered with an optional 6kV surge protection).

All photocell (PE) operate on MVOLT (120V - 277V) input.

Note: The standard WPX LED wall pack luminaires come with field-adjustable drive current feature. This feature allows tuning the output current of the LED drivers to adjust the lumen output (to dim the luminaire).

INSTALLATION

WPX can be mounted directly over a standard electrical junction box. Three 1/2 inch conduit ports on three sides allow for surface conduit wiring. A port on the back surface allows poke-through conduit wiring on surfaces that don't have an electrical junction box. Wiring can be made in the integral wiring compartment in all cases. WPX is only recommended for installations with LEDs facing downwards.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. International Dark Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

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



Performance Data

Electrical Load

Luminaire	Input Power (W)	120V	208V	240V	277V	347V
WPX1 LED P1	11W	0.09	0.05	0.05	0.04	0.03
WPX1 LED P2	24W	0.20	0.12	0.10	0.09	0.07
WPX2	47W	0.39	0.23	0.20	0.17	0.14
WPX3	69W	0.58	0.33	0.29	0.25	0.20

Projected LED Lumen Maintenance

Data references the extrapolated performance projections in a 25°C ambient, based on 6,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.94	>0.92	>0.90

Lumen Output

Luminaire	Color Temperature	Lumen Output
WPX1 LED P1	3000K	1,537
	4000K	1,568
	5000K	1,602
WPX1 LED P2	3000K	2,748
	4000K	2,912
	5000K	2,954
WPX2	3000K	5,719
	4000K	5,896
	5000K	6,201
WPX3	3000K	8,984
	4000K	9,269
	5000K	9,393

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

HID Replacement Guide

Luminaire	Equivalent HID Lamp	WPX Input Power
WPX1 LED P1	100W	11W
WPX1 LED P2	150W	24W
WPX2	250W	47W
WPX3	400W	69W

Emergency Egress Battery Packs

The emergency battery backup is integral to the luminaire — no external housing or back box is required. The emergency battery will power the luminaire for a minimum duration of 90 minutes and deliver minimum initial output of 550 lumens. Both battery pack options are CEC compliant.

Battery Type	Minimum Temperature Rating	Power (Watts)	Controls Option	Ordering Example
Standard	0°C	4W	E4WH	WPX2 LED 40K MVOLT E4WH DDBXD
Cold Weather	-20°C	14W	E14WC	WPX2 LED 40K MVOLT E14WC DDBXD

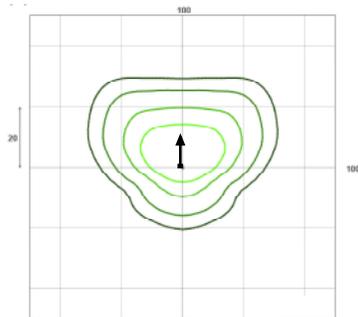
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting [WPX LED](#) homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

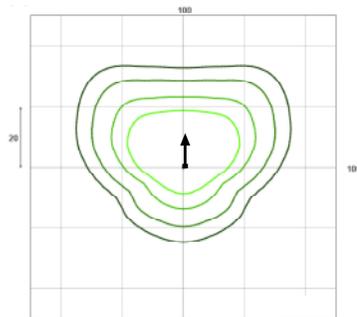
LEGEND

	0.1 fc
	0.2 fc
	0.5 fc
	1.0 fc

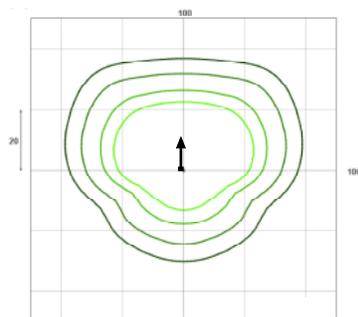
WPX1 LED P1



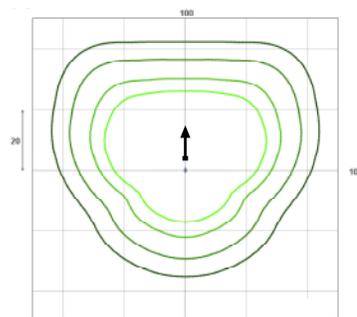
WPX1 LED P2



WPX2 LED



WPX3 LED



Mounting Height = 12 Feet.

Fixture Type: _____

Catalog Number: _____

Project: _____

Location: _____

Caliber

Outdoor Wall Sconce 3000K

Model & Size	Color Temp & CRI	Watt	LED Lumens	Delivered Lumens	Finish
WS-W36610 10"	3000K 90	11W	735	560	AL Brushed Aluminum BK Black BZ Bronze WT White

Example: **WS-W36610-AL**

DESCRIPTION

Light projection tuned with precision, Caliber is a discrete cylinder with minimal mounting hardware. Available in a single or double light configuration which can be mounted both vertically and horizontally. The light engine is factory sealed for maximum protection against the harshest elements.

FEATURES

- Discrete cylinder with minimal mounting hardware
- Weather-resistant powder coated finish
- WS-W36614 is Up & down light, WS-W36610 is one direction
- Light engine is factory sealed for maximum protection from the elements
- Driver concealed within the fixture
- 5 year warranty

SPECIFICATIONS

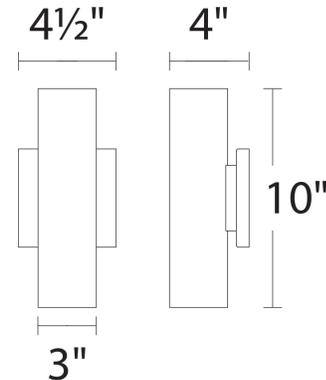
Color Temp:	3000K
Input:	120-277 VAC, 50/60Hz
CRI:	90
Dimming:	ELV: 100-10%
Rated Life:	72000 Hours
Mounting:	Can be mounted on wall in all orientations, Can be mounted on wall vertically or horizontally
Standards:	ETL, cETL, IP65 Wet Location Listed
Construction:	Aluminum hardware with lens diffuser



FINISHES



LINE DRAWING



WS-W36610

Fixture Type: _____

Catalog Number: _____

Project: _____

Location: _____

Caliber

Outdoor Wall Sconce 3000K

Model & Size	Color Temp & CRI	Watt	LED Lumens	Delivered Lumens	Finish
WS-W36614 14"	3000K 90	21W	1500	1140	AL Brushed Aluminum BK Black BZ Bronze WT White

Example: **WS-W36614-AL**

DESCRIPTION

Light projection tuned with precision, Caliber is a discrete cylinder with minimal mounting hardware. Available in a single or double light configuration which can be mounted both vertically and horizontally. The light engine is factory sealed for maximum protection against the harshest elements.

FEATURES

- Discrete cylinder with minimal mounting hardware
- Weather-resistant powder coated finish
- WS-W36614 is Up & down light, WS-W36610 is one direction
- Light engine is factory sealed for maximum protection from the elements
- Driver concealed within the fixture
- 5 year warranty

SPECIFICATIONS

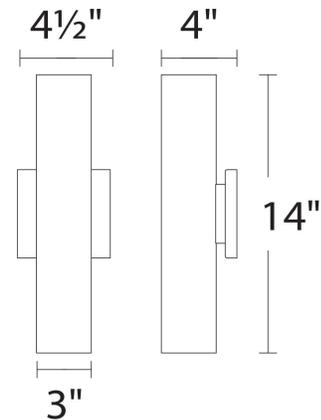
Color Temp:	3000K
Input:	120-277 VAC, 50/60Hz
CRI:	90
Dimming:	ELV: 100-10%
Rated Life:	72000 Hours
Mounting:	Can be mounted on wall in all orientations, Can be mounted on wall vertically or horizontally
Standards:	ETL, cETL, IP65 Wet Location Listed
Construction:	Aluminum hardware with lens diffuser



FINISHES



LINE DRAWING



WS-W36614