

## Memorandum Department of Planning



**To:** Planning and Public Works Committee  
**From:** Mike Knight, Assistant City Planner *JMK*  
**Date:** June 23, 2022

**RE:** **Wildhorse Village, Lot 2A-2 (Terraces at Wildhorse Village) SDSP:** A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for a 3.6 acre tract of land zoned "PC&R" – Planned Commercial and Residence District located southwest of the intersection of Wild Horse Creek Road and Lakeview Terrace. (Ward 4)

### **Summary**

This request is to allow for new construction of multi-family town homes. The proposed development consists of 70 total units within 10 detached buildings. This is the fifth Site Development Section Plan submitted to the City for the 20 lot development known as Wildhorse Village.

There are 10 buildings within Lot 2A-2. The smallest building contains 4 units and the largest contains 12 units. All of the buildings are 3 stories tall, roughly 33' in height, and contain a 2 space parking garage on the rear of the buildings. The building is pushed up close to the internal roadway (Wildhorse Lake Blvd.) as required by the site specific governing ordinance. The buildings will be highly visible from all directions.

The project was reviewed by the Architectural Review Board on May 12<sup>th</sup>, 2022. At that time, the Board made a motion to forward the project to the Planning Commission with a recommendation to approve with conditions. The applicant has since fulfilled those conditions.

The project was reviewed by the Planning Commission on June 13, 2022. At that time the Commission recommended approval of the request as submitted by a vote of 6-2.

Governing ordinance 3161 states that City Council shall have automatic power of review of all Site Development Section Plans for the subject development. The City Council will then take appropriate action relative to the proposal.

### **Modification Request**

There are two modifications being requested by the applicant (1st Floor Building Height and Rooftop Mechanical Screening).

### **1<sup>st</sup> Floor Building Height**

The site specific governing ordinance states the first floor building height shall be 12-30 feet. The applicant is proposing a 10' first floor height in lieu of 12' stating there is a significant amount of construction waste, time, and money required to cut the studs down to size.

### **Rooftop Mechanical Units**

The governing ordinance requires rooftop mechanical equipment within architecturally designed, fully enclosed penthouses that complement the building design. The applicant states they are proposing to screen rooftop mechanical equipment on all visible sides with the materials that are an integral part of the architecture. Equipment is located within 3rd floor alcoves.

The Architectural Review Board was supportive of both aforementioned modification requests.

### **Parking Requirements**

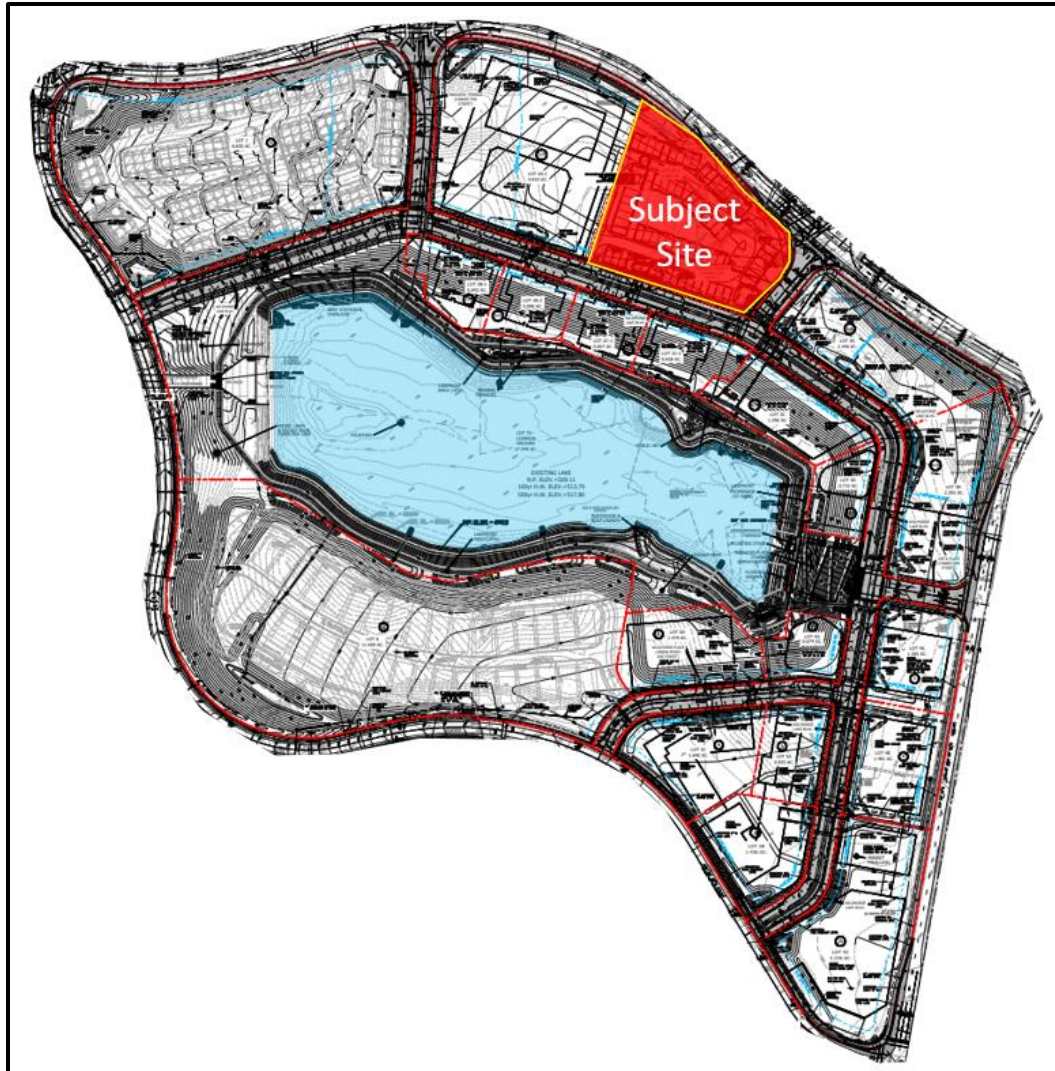
In conjunction with this request, the Wildhorse Village development recently submitted an Amended Site Development Concept Plan (ASDCP) for approval. One of the items updated was the density allocation table. The table was amended to include 70 residential units on Lot 2A-2. As the ASDCP was moving through the approving bodies, there was a considerable amount of discussion in regards to the parking requirements for Lot 2A-2. The ASDCP was approved by the City of Chesterfield City Council on June 7th.

The City's Unified Development Code requires a minimum of 1.75 spaces for every living unit with no maximum requirement. The minimum number of parking spaces required for Lot 2A-2 is 123 according to the Unified Development Code.

The site specific governing ordinance allows for a reduction to the minimum requirement as there is an internal roadway (Wildhorse Lake Blvd.) with on-street parking that may be utilized by all the lots. The submitted Lot 2A-2 Site Development Section Plan depicts 152 parking spaces, not including any of the parking included with the internal roadway. For reference there are an additional 69 spaces along the internal roadway from Burkhardt to the eastern edge of Lot 2A-2.

Once recommendation is received by the Planning and Public Works Committee, the project will be forwarded to the entire City Council for consideration.

Attached to this report please find a copy of the Planning Commission Staff Report, Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, Architect's Statement of Design, and the applicant's modification request.



**Figure 1: Location of Subject Site**

- Attachments: Planning Commission Staff Report  
Site Development Section Plan  
Landscape Plan  
Lighting Plan  
Architect's Statement of Design  
Architectural Elevations  
Rendering  
Modification request



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## Planning Commission Staff Report

**Project Type:** Site Development Section Plan

**Meeting Date:** June 13, 2022

**From:** Mike Knight, Assistant City Planner *JK*

**Location:** A 3.6 acre tract of land located southwest of Wild-Horse Creek Road and Lakeview Terrace.

**Description:** **Wildhorse Village, Lot 2A-2 (Terraces at Wildhorse Village) SDSP:** A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect’s Statement of Design for a 3.6 acre tract of land zoned “PC&R” – Planned Commercial and Residence District located southwest of the intersection of Wild Horse Creek Road and Lakeview Terrace.

### PROPOSAL SUMMARY

This request is to allow for new construction of multi-family town homes. The proposed development consists of 70 total units within 10 detached buildings. This is the fifth Site Development Section Plan submitted to the City for the 20 lot development known as Wildhorse Village.

Although the fifth submittal, this is the third development within Wildhorse Village that received recommendation from the Architectural Review Board (ARB) as the first two were single-family developments that are exempt from the ARB review. Building materials primarily consist of brick, metal shingle and fiber cement.



Figure 1: Rendered Image of the Entrance



## **HISTORY OF SUBJECT SITE**

On March 19<sup>th</sup>, 2008, the City of Chesterfield City Council approved Ordinance 2449. This ordinance amended the previous governing zoning ordinance of the City of Chesterfield by changing the boundaries of the following: an "R-8" Residence District with a Planned Environmental Unit Procedure, "R-5" Residence District, "FPR-5" Residence District, "R-6A" PEU Residence District with a Planned Environmental Unit Procedure, "C-8" Planned Commercial District, "NU" Non-Urban District and "M-3" Planned Industrial District to **one "PC&R" Planned Commercial & Residence District.**

City of Chesterfield Ordinance 2449 governed the entire PC&R district but defined specific development criteria for 3 specific "Categories". Ordinance 2449 also defined 3 specific areas within the PC&R district known as Area 1, Area 2, and Area 3.

In February of 2018, the City of Chesterfield approved Ordinance 2990. This ordinance solely amended the legal description of the entire PC&R district. This legal description removed approximately 2.9 acres in the northwestern section of the district just north of Wild Horse Creek Road and added approximately 3.4 acres in the northwestern section of the district just south of Wild Horse Creek Road.

In November of 2018, the City of Chesterfield approved Ordinance 3023. This zoning request had two main objectives: (1) to amend the legal description and incorporate a .438 acre parcel zoned "NU" Non-Urban; and (2) to amend the development criteria for the zoning district. The ordinance amendment essentially allowed a development team the ability to provide a separate Landscape Plan, Lighting Plan, and sign requirements for the areas of the PC&R district located both north and south of Wild Horse Creek Road individually instead of one Concept Plan for all 99 acres.

In June of 2020, Stock & Associates Consulting Engineers Inc. on behalf of Wildhorse Village, LP made a request to amend the legal description and development criteria for an existing "PC&R" Planned Commercial and Residence District. The zoning petition had two main objectives. The first was to incorporate and re-zone a 0.6 acre "C-8" Planned Commercial District parcel to the "PC&R" Planned Commercial and Residence District known as "Downtown Chesterfield". The second was to amend the development criteria of the governing ordinance. City Council approved this request creating Ordinance 3114. Since the approval of this ordinance, there has been an abundance of plan submissions and a number of approvals specifically for Categories A and B of the ordinance. **Categories A and B are now commonly known as Wildhorse Village.**

On the following page (Figure 2) is a table that provides a high level historical summary of significant events specifically for the Wildhorse Village development.

| Year | Month    | Approval | Description  | Action  |
|------|----------|----------|--|---|
| 2020 | Aug      | ORD 3114 | Incorporated (0.6) acres into PC&R district and amended development criteria | Ordinance to facilitate the development known as Wildhorse Village  |
|      | October  | SDCP     | Concept Plan for Infrastructure only of Categories A & B                     | Allowed for grading to be reviewed and approved to facilitate roadways, storm sewers, and sanitary sewers |
| 2021 | Feb      | ASDCP    | Amended Concept Plan for Categories A&B                                      | Allowed for a phased mixed use development of 17 lots known as Wildhorse Village                          |
|      | May      | SDSP     | Site Development Section Plan for Lot 6                                      | Approval for a 35 single family home development  |
|      |          |          | Site Development Section Plan for Lot 1                                      | Approval for a 72 attached single family home development   |
|      | Sept     | SDSP     | Site Development Section Plan for Lot 2A-1                                   | Approval for a 266 unit multi-family building   |
|      | October  | ORD 3161 | Ordinance to modify the development criteria of Wildhorse Village            | Update to the height and placement of buildings   |
|      | December | RP       | Record Plat for Wildhorse Village  | Created an 18 lot development and associated common ground  |
| 2022 | June     | LS       | Lot Split Plat for Lot 2B  | Split Lot 2B into Lot 2B-1 and 2B-2   |
|      | June     | SDSP     | Site Development Section Plan for Lot 2B-1                                   | Approval for a 16 unit condo building   |

Figure 2: Historical Summary

**LOCATION OF SUBJECT SITE**

As previously stated, Wildhorse Village is composed of 20 total lots. All of the lots are currently undeveloped, but construction is currently underway to facilitate the infrastructure (roadways, sanitary sewers, stormwater management, electric) involved with the development. There is

currently a Record Plat approved for the development. Lot 7A depicted on the Record Plat and Site Development Concept Plan is approved as Common Ground for the entire development. The subject site is a 3.6 acre tract of land that is north of the lake and north of the main street proposed for the overall development. Below (Figure 3) is an image to get a sense of where the 3.6 acre subject site is in relation to the overall 78.4 acres that make up Wildhorse Village.

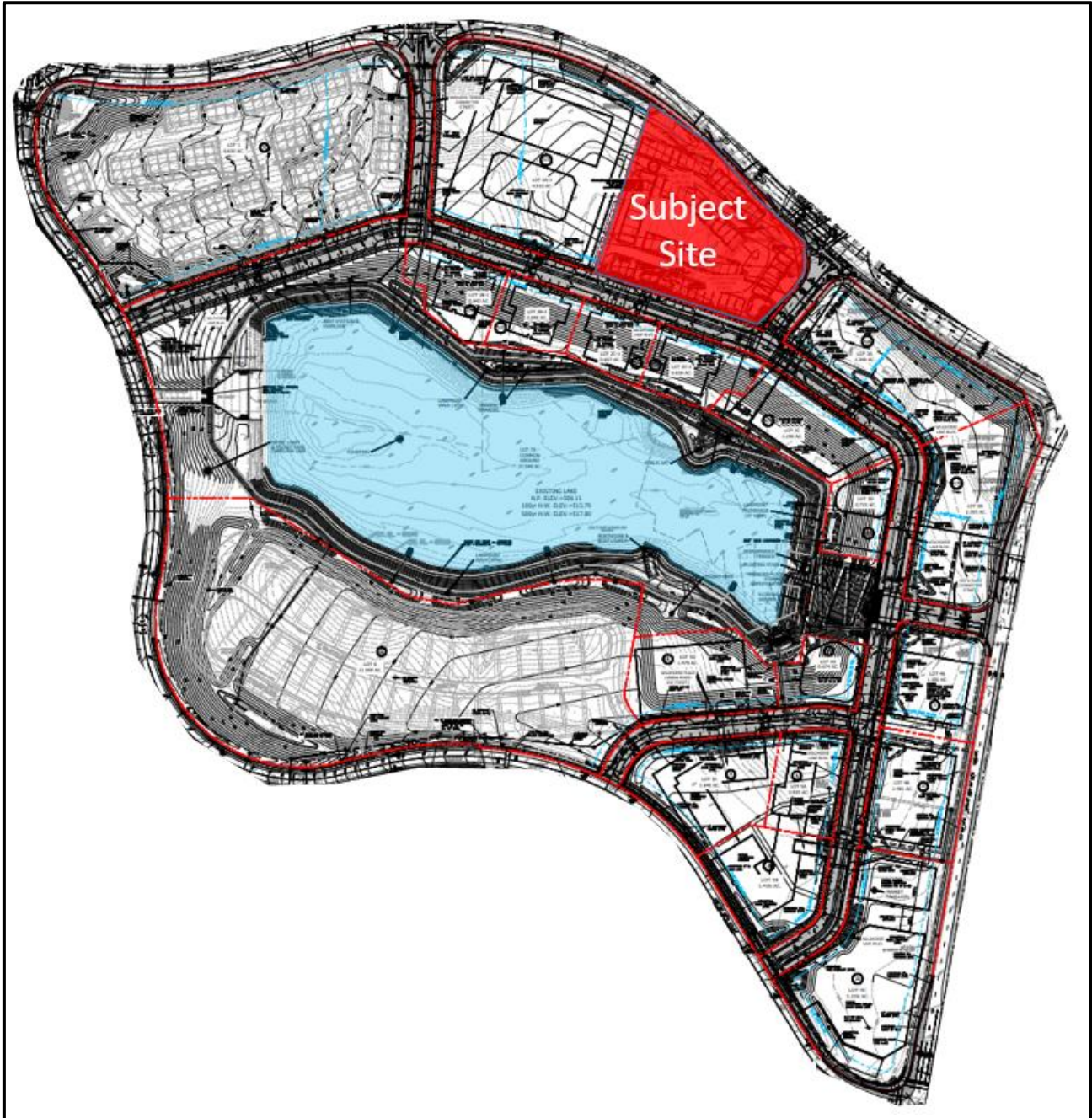


Figure 3: Location within the development

### **STAFF ANALYSIS**

The subject site is located southwest of the intersection of Wild Horse Creek Road and Lakeview Terrace. Lakeview Terrace is a private road, owned and maintained by the development. The area is designated City Center (Urban Transition) within the City of Chesterfield Comprehensive Land Use Plan and this development would be 3.6 acres of the 78.4 acre development known as Wildhorse Village.

#### **Zoning District:**

A PC&R District development is intended to create a diverse residential and commercial mixed-use environment in which residential and commercial uses can be integrated pursuant to a downtown concept that encourages creative and coordinated design and architectural styles, efficient and effective pedestrian circulation, conservation of land resources, efficient and effective vehicular circulation, and where people can choose to live, work, eat, shop, enjoy cultural amenities and recreate.

#### **Comprehensive Plan:**

The subject site is located within Ward 2 of the City of Chesterfield. The City of Chesterfield Comprehensive Land Use Plan indicates this parcel is within the City Center (Urban Transition) land use designation. The Comprehensive Plan provides a character description of the Urban Transition area. The description states;

*“Land developed to offer residents the opportunity to live, work, shop and play within the larger City Center area. This includes a mixture of housing types and residential densities, integrated with a number of goods and services, especially in the downtown core. Buildings typically stand multiple stories often with residential units above storefronts or other pedestrian activity. Parking is satisfied using on-street parking, structured parking, or shared rear-lot parking strategies. An interconnected network of walkable streets connects the neighborhood to the downtown core.”*

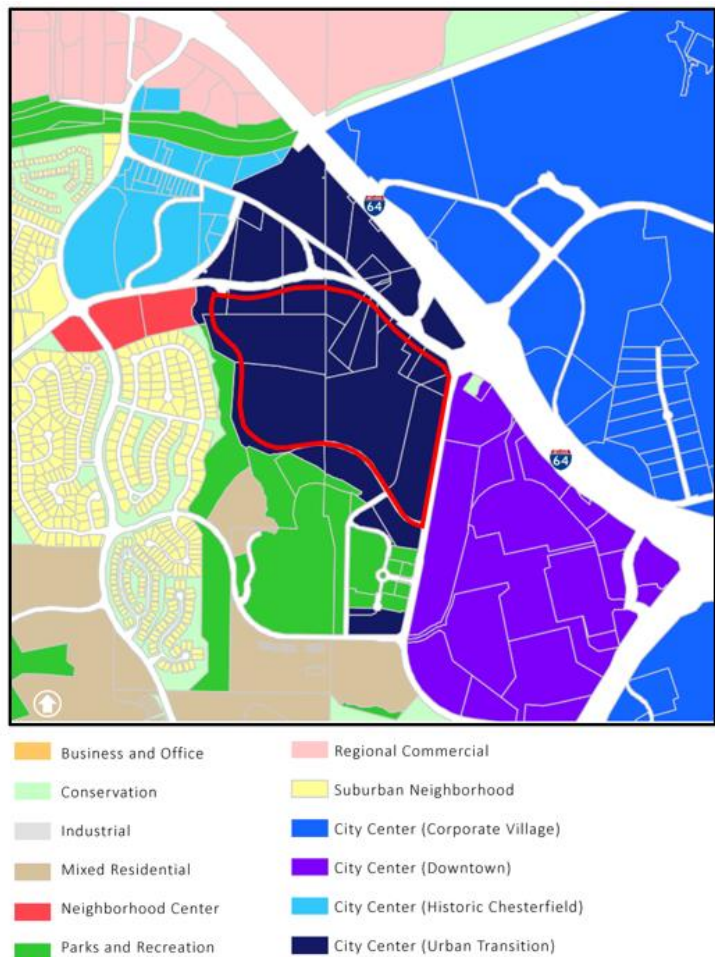


Figure 4: Comprehensive Plan

The City Center (Urban Transition) land use designation also states a series of development policies within the Comprehensive Plan. Below, are specific development policies (**blue**) followed by how the governing ordinance and the Site Development Section Plan relate to those policies.

**City Center should serve as the physical and visual focus for the City and include both residential and commercial developments with parks, municipal services, and preservation of historic structures and areas, with cultural entertainment and pedestrian amenities for its residents.**

This is a multi-family development that is east of an approved multi-family development and west of a programmed mixture of residential, office, and commercial activity centered by a lake and amenity areas.

**The thoroughfare character should be urban and very walkable.**

The project is very walkable with a 12' wide mixed use trail along Wild Horse Creek Road to the north, a 10' wide sidewalk along both the main street to the south, and Lakeview Terrace to the east with a walking trail around the lake to the south.

**Buildings to be constructed closer to the roadways to promote the pedestrian experience.**

The building is located along the main street (Wildhorse Lake Blvd.) and the plan references the required build-to line vs a set-back line to promote the pedestrian experience.

**Incorporate a comprehensive network of open space throughout to accommodate small parks, gathering places and community gardens; preserve tree stands; and help reduce stormwater runoff.**

This project has a community lake to the south of the multi-family building with pedestrian connections from the site to the lake.

**Public art should be incorporated into new construction and re-development projects throughout the City Center.**

The applicant provided the location of public art to the south of the building, visible to the public realm as one interacts with the corner of Lakeview Terrace and Wildhorse Lake Blvd.

**General Requirements for Site Design:**

This request is for 10 buildings consisting of 70 multi-family units on a 3.6 acre tract of land. The site has one access point off the internal main street to the south, known as Wildhorse Lake Blvd, with on-street parking in front of the development. The site has pedestrian accommodations along the perimeter roadways and throughout an internal courtyard.



**A. Site Relationships**

This is a multi-family development that is east of an approved 266 unit multi-family development, north of a programmed multi-family building, directly west of future programmed mixture of residential, office, and commercial activity all within the larger Wildhorse Village development.

**B. Circulation System and Access**

The site is accessed by one curb cut off Wildhorse Lake Blvd and will be a shared drive with an approved 266 unit multi-family building referenced as The Flats at Wildhorse Village. All vehicular access will utilize this drive for tenant parking, loading and trash. Internal pedestrian paths connect to the large pedestrian paths of the overall Wildhorse Village development. A color Site Development Section Plan (Figure 5) was provided in this packet depicting the access and circulation locations. Each unit has a two car garage that can be accessed through an internal drive.



Figure 5: Color Site Plan

**C. Topography and Retaining Walls**

The site slopes from a high point at the southwest corner property line towards the northeast, falling approximately 10 feet. Due to the topography of the site, the proposed development utilizes retaining walls in the northwest corner. The walls are designed to be of minimal appearance with heights

ranging 3-5 feet. The modular retaining wall is of “Bethany Ledge Blend” color which is a common wall type approved within the overall development.

**General Requirements for Building Design:**

There are 10 buildings within Lot 2A-2. The smallest building contains 4 units and the largest contains 12 units. All of the buildings are 3 stories tall, roughly 33’ in height, and contain a 2 space parking garage on the rear of the buildings. The building is pushed up close to the internal roadway (Wildhorse Lake Blvd.) as required by the site specific governing ordinance. The buildings will be highly visible from all directions.

**D. Scale, Design, Materials, and Color**

In recent history, three developments in close proximity north of Wildhorse Village have been approved and received full occupancy. The first is a four story multi-family residential building, constructed primarily with stone and fiber cement siding known as Aventura at Wildhorse Creek. The other two are a 3-4 story mixed use building, and 5 story hotel known as Wildhorse and AC Hotel.

The applicant has provided images of all three buildings within the attached packet. The site specific governing ordinance (Ordinance 3161) has specific language in regards to the building placement, overall height, first floor height, and function. There is also a streetscape exhibit for Wildhorse Lake Blvd. The placement, overall height, and function all comply with the site specific ordinance.

The site does have ordinance requirements in which the applicant is seeking modifications, in which the ordinance itself permits. The ordinance requires rooftop mechanical equipment within architecturally designed, fully enclosed penthouses that complement the building design. The applicant does not have a fully enclosed penthouse but is requesting a modification to propose a screen and unique placement of the units to visually hide the condensing units. The applicant is also seeking a modification in the first floor building height. A full narrative request of both requests are included in the packet.

The building is primarily four different colors of brick on all four sides of the building. Fiber cement and metal shingles are also incorporated into the structures all in specific gray/slate color.

It should be noted that this is the same development team as the neighboring property to the west “The Flats at Wildhorse Creek”. Building material samples for both this project and The Flats building were provided at the May 12<sup>th</sup> Architectural Review Board meeting as the applicant stated in the attached narrative statement; *“The warm color palette of browns and grays is intended to harmonize with the neighboring Flats at Wildhorse Village to feel calm and inviting”*.

On the following page (Figure 6) is an image of the primary materials and their general building placement.

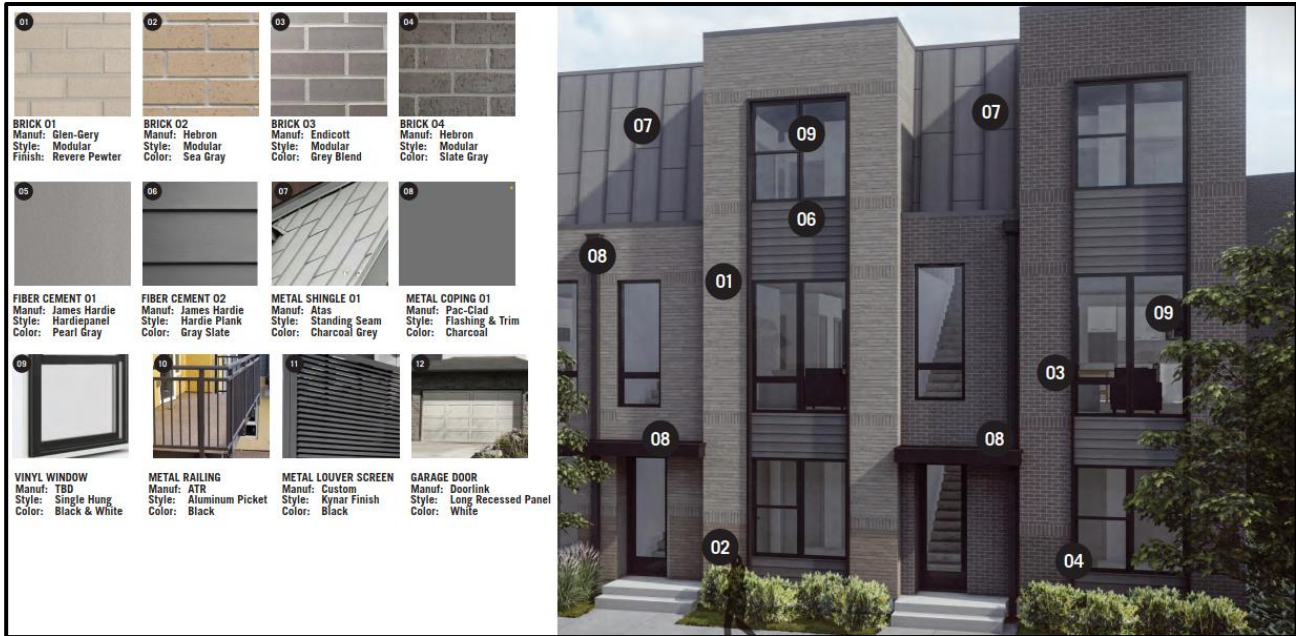


Figure 6: Building Materials

**E. Landscape Design**

The site contains 27 deciduous canopy trees (43%), 22 evergreen trees (35%), and 14 deciduous understory trees (22%). The growth rates for the trees (excluding street trees) are 11% slow, 44% medium, and 45% fast growing. The most common tree on the site is the Emerald Green Arborvitae.

**F. Screening**

The applicant has provided the aforementioned roof-top screening narrative/modification request and is included within the ARB packet. The trash enclosure is 8 feet tall constructed of brick with a metal gate.

**G. Lighting**

All exterior lighting will adhere to all UDC lighting code requirements. All exterior lighting will be white in color, and all the cut sheets have been included within the submittal. The site does have a few bollards along the pedestrian areas within the internal courtyard.

**MODIFICATIONS**

There are two modifications being requested by the applicant (1<sup>st</sup> Floor Building Height and Rooftop Mechanical Screening).

**1<sup>st</sup> Floor Building Height**

The site specific governing ordinance states the first floor building height shall be 12-30 feet. The applicant is proposing a 10' first floor height in lieu of 12' stating there is a significant amount of construction waste, time, and money required to cut the studs down to size. For reference, the

development directly to the west “Flats at Wildhorse Creek” requested 11’ 7 7/8” for the first floor height which was approved.

### **Rooftop Mechanical Units**

The governing ordinance requires rooftop mechanical equipment within architecturally designed, fully enclosed penthouses that complement the building design. The applicant states they are proposing to screen rooftop mechanical equipment on all visible sides with the materials that are an integral part of the architecture. Equipment is located within 3<sup>rd</sup> floor alcoves. Below is a rendering that assists in the understanding of where the units will be located.



*Figure 7: Example Mechanical Unit Location*

### **ARCHITECTURAL REVIEW BOARD**

The above-referenced project was reviewed by the Architectural Review Board on Thursday May 12th, 2022. At that time, the Board made a motion to forward the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect’s Statement of Design for Lot 2A-2 of Wildhorse Village to the Planning Commission with a recommendation of approval with the following conditions:

- Modifications are made to the rear elevations of the buildings to break up the long expanses of monochromatic fiber board by introducing items such as variation of color, texture, material, drivable surface, or garage doors to add interest to the elevation.
- Provide landscaping around the future above-ground utilities and electrical meters.

The applicant has since resubmitted and fulfilled both conditions. All of the updates have been included with the Planning Commission packets. **It is also important to note, after considerable discussion, the Architectural Review Board was supportive of both aforementioned modification request.**

On the following page are images (Figure 8) to assist in the understanding on the updates that were made to address the first condition stated above. The update is focused on the rear elevation in which the brick material is now incorporated.





Figure 8: Updates to the Rear Facades

### **PARKING REQUIREMENTS**

In conjunction with this request, the Wildhorse Village development recently submitted an Amended Site Development Concept Plan (ASDCP) for approval. One of the items updated was the density allocation table. The table was amended to include 70 residential units on Lot 2A-2. As the ASDCP was moving through the approving bodies, there was a considerable amount of discussion in regards to the parking requirements for Lot 2A-2. The ASDCP was approved by the City of Chesterfield City Council on June 7<sup>th</sup>. The City's Unified Development Code requires a minimum of 1.75 spaces for every living unit with no maximum requirement. The minimum number of parking spaces required for Lot 2A-2 is 123 according to the Unified Development Code.

The site specific governing ordinance allows for a reduction to the minimum requirement as there is an internal roadway with on-street parking that may be utilized by all the lots. The submitted Lot 2A-2 Site Development Section Plan depicts 152 parking spaces, not including any of the parking included with the internal roadway. For reference there are an additional 69 spaces along the internal roadway from Burkhardt to the eastern edge of Lot 2A-2.



**RENDERING**

Below in Figures 9-11 are renderings of three prominent viewpoints.



*Figure 9: Along Wildhorse Lake Boulevard*



*Figure 10: Internal Courtyard*



*Figure 11: Along Wild Horse Creek Road*

## **DEPARTMENT INPUT**

Staff has reviewed the submittal and has found the application to be in conformance with the site specific ordinance, Comprehensive Plan, and Unified Development Code. As previously stated, the applicant is requesting a modification to the site specific performance standards, which is a process specifically described within the site specific governing ordinance. Staff recommends approval of the Wildhorse Village, Lot 2A-2 (Terraces at Wildhorse Village) Site Development Section Plan.

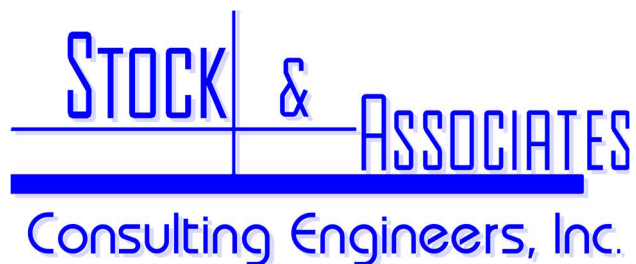
## **MOTION**

The following options are provided to the Planning Commission for consideration relative to this application:

- 1) “I move to approve (or deny) the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect’s Statement of Design for Wildhorse Village, Lot 2A-2 (Terraces at Wildhorse Village).”
- 2) “I move to approve the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect’s Statement of Design for Wildhorse Village, Lot 2A-2 (Terraces at Wildhorse Village) with the following conditions...” (Conditions may be added, eliminated, altered, or modified)

### Attachments

1. Site Development Section Plan
2. Landscape Plan
3. Lighting Plan
4. Architectural Elevations
5. Architects Statement of Design
6. Modification Request



March 15, 2022

City of Chesterfield  
690 Chesterfield Pkwy W.  
Chesterfield MO 63017-0760

Attention: Mr. Justin Wyse – Director of Planning

Re: Wildhorse Village Lot 2A-2

**Modification Request to City of Chesterfield Ordinance No. 3161  
Attachment A -Section IB.1-Building Floor Height  
Attachment A -Section IG.5 – Rooftop Mechanical Equipment Screening**

Dear Justin,

We respectfully request a modification to two sections of City of Chesterfield Ordinance 3161, specifically Attachment A- Section IB.1-Building Floor Height & Section IG.5 Rooftop Mechanical Screening.

Section IB.1 of Ordinance No. 3161, states: “first story heights shall be 12-30 feet with the exception that the residential buildings in the geographic areas of Lots 1 and 6 on the Preliminary Development Plan shall be 9-30 feet.” We are proposing 10’-0” first floor height in lieu of 12’-0”. As designed, the first floor height uses precut dimensional lumber. In order to achieve 12’-0” as required by the ordinance, a significant amount of construction waste, time and money would be required to cut the studs down to size.

Section IG.5 of Ordinance No. 3161, states: “rooftop mechanical equipment shall be permitted on roofs within architecturally designed, fully enclosed penthouses that complement the building design.” We are proposing to screen rooftop equipment on all visible sides with materials that are an integral part of the architecture. Equipment is located within 3<sup>rd</sup> floor alcoves, which will be treated as an integral part of the architecture and will not visually weaken the design of the structure, per UDC Section 405.04.010.

Sincerely,

*George M. Stock*

George M. Stock, P.E. - President

CC: Michael Hamburg – The Flats at Wildhorse Village, LLC  
Jeff Tegethoff – Wildhorse Village, LP  
Natasha Das – Wildhorse Village, LP  
Tyson Pyle – Arcturis  
Melanie Weber – Arcturis  
Drew Dixon, P.E., Associate  
Kate Stock Gitto, P.E., Project Manager

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ARCHITECT OF RECORD:  
ARCTURIS ARCHITECTS, INC. (AIA) 10000

PRELIMINARY  
NOT FOR CONSTRUCTION

DATE: 04/20/22

| DATE     | DESCRIPTION       |
|----------|-------------------|
| 02/15/22 | SDSP SUBMETAL     |
| 04/11/22 | SDSP PRE-SUBMETAL |
| 05/20/22 | TRUSS/MEP PRECING |

Revision Schedule

| No. | Date | Description |
|-----|------|-------------|
|     |      |             |

Key Plan

Project Number: 21-0191.00

Sheet  
SHEET A03 - OVERALL ELEVATIONS

A03



2 OVERALL NORTH ELEVATION  
1/16" = 1'-0"



3 OVERALL SOUTH ELEVATION  
1/16" = 1'-0"



1 OVERALL WEST ELEVATION  
1/16" = 1'-0"



4 OVERALL EAST ELEVATION  
1/16" = 1'-0"

| DATE     | DESCRIPTION       |
|----------|-------------------|
| 03/15/22 | SDSP SUBMETAL     |
| 04/11/22 | SDSP PRE-SUBMETAL |
| 06/20/22 | TRUSS/MEP PRECING |

| Revision Schedule |      |             |
|-------------------|------|-------------|
| No.               | Date | Description |
|                   |      |             |



1 BLDGS A, B - NORTH ELEV - BLDG H - SOUTH ELEV  
A04 1/16" = 1'-0"



2 BLDGS A, B - SOUTH ELEV - BLDG H - NORTH ELEV  
A04 1/16" = 1'-0"



3 BUILDING C - NORTH ELEVATION  
A04 1/16" = 1'-0"



4 BUILDING C - SOUTH ELEVATION  
A04 1/16" = 1'-0"



5 BUILDING D - WEST ELEVATION  
A04 1/16" = 1'-0"



6 BUILDING D - EAST ELEVATION  
A04 1/16" = 1'-0"



7 BUILDING F - NORTH ELEVATION  
A04 1/16" = 1'-0"



8 BUILDING F - SOUTH ELEVATION  
A04 1/16" = 1'-0"



9 BUILDING E - NORTH ELEVATION  
A04 1/16" = 1'-0"



10 BUILDING E - SOUTH ELEVATION  
A04 1/16" = 1'-0"



11 BUILDING G - EAST ELEVATION  
A04 1/16" = 1'-0"



12 BUILDING G - WEST ELEVATION  
A04 1/16" = 1'-0"



13 BUILDING I - NORTH ELEVATION  
A04 1/16" = 1'-0"



14 BUILDING I - SOUTH ELEVATION  
A04 1/16" = 1'-0"



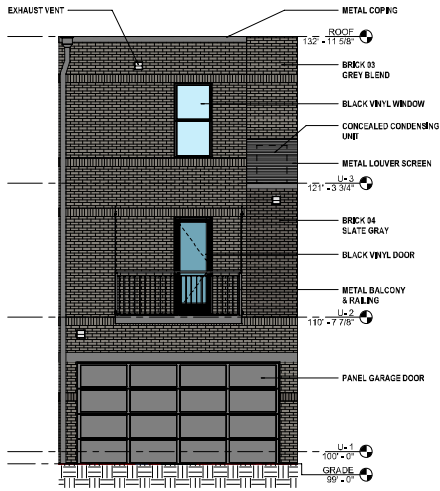
15 BUILDING J - NORTH ELEVATION  
A04 1/16" = 1'-0"



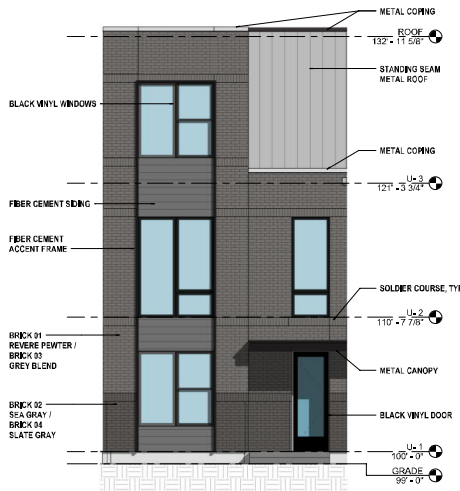
16 BUILDING J - SOUTH ELEVATION  
A04 1/16" = 1'-0"

| DATE     | DESCRIPTION       |
|----------|-------------------|
| 03/18/22 | SDSP SUBMETAL     |
| 04/11/22 | SDSP PRE-SUBMETAL |
| 06/20/22 | TRUSS/MEP PRECING |

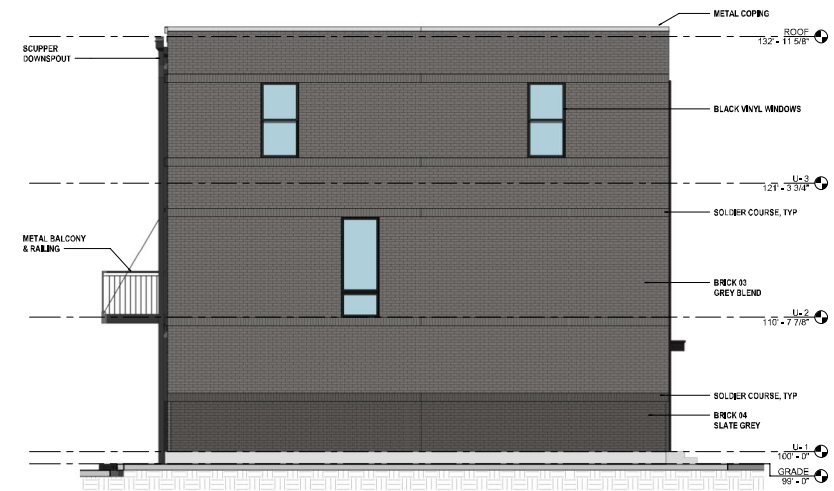
| Revision Schedule |             |
|-------------------|-------------|
| No.               | Description |
|                   |             |



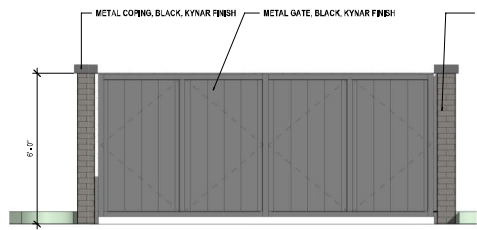
1 TYPICAL TOWNHOME ELEVATION - BACK  
1/4" = 1'-0"



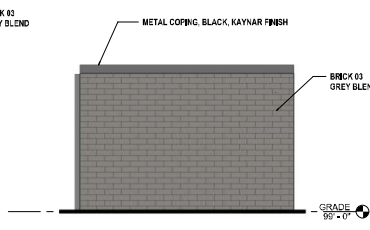
2 TYPICAL TOWNHOME ELEVATION - FRONT  
1/4" = 1'-0"



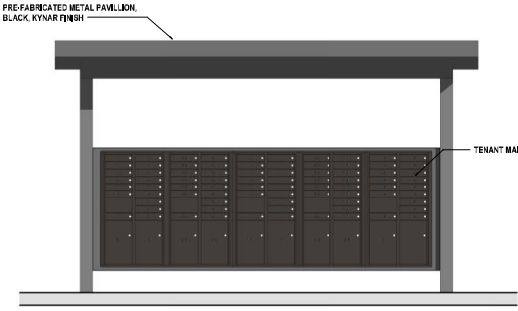
3 TYPICAL BUILDING - SIDE  
1/4" = 1'-0"



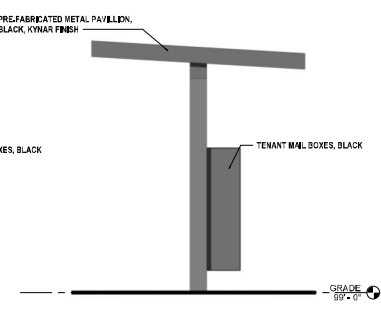
4 FRONT ELEVATION - TRASH ENCLOSURE  
1/2" = 1'-0"



5 SIDE ELEVATION - TRASH ENCLOSURE  
1/2" = 1'-0"



6 ELEVATION - MAIL PAVILION  
1/2" = 1'-0"



7 SIDE ELEVATION - MAIL PAVILION  
1/2" = 1'-0"



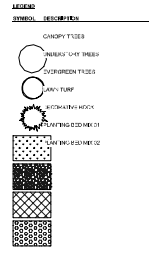
**PLANTING SCHEDULE**

| SYMBOL                       | QUANTITY | BOTANICAL NAME         | CULTIVAR       | COMMON NAME            | SIZE/CALIPER | METHOD | MATURE HEIGHT | GROWTH RATE |
|------------------------------|----------|------------------------|----------------|------------------------|--------------|--------|---------------|-------------|
| <b>Shade Tree - 42%</b>      |          |                        |                |                        |              |        |               |             |
| A1 - 72%                     | 5        | Acer freemanii         | Arctostorm     | Freeman Maple          | 24" Caliper  | B&B    | 30'-3"        | MEDIUM      |
| A5 - 12%                     | 5        | Acer saccharum         | Green Mountain | Sugar Maple            | 24" Caliper  | B&B    | 30'-3"        | FAST        |
| P1 - 42%                     | 5        | Prunella americana     | Marble Cling   | Marble Cherry          | 24" Caliper  | B&B    | 30'-3"        | FAST        |
| Q1 - 2%                      | 5        | Quercus bicolor        |                | Swamp White Oak        | 24" Caliper  | B&B    | 30'-3"        | MEDIUM      |
| Z1 - 82%                     | 5        | Zelkova serrata        | Green Vein     | Green Vein Zelkova     | 24" Caliper  | B&B    | 45'-2"        | FAST        |
| <b>Ornamental Tree - 22%</b> |          |                        |                |                        |              |        |               |             |
| B1 - 143%                    | 8        | Betula nigra           |                | River Birch            | 24" Caliper  | B&B    | 35'-2"        | MEDIUM      |
| C1 - 20%                     | 5        | Cornus canadensis      | Royal          | Royal Dogwood          | 24" Caliper  | B&B    | 35'-2"        | MEDIUM      |
| <b>Evergreen Tree - 34%</b>  |          |                        |                |                        |              |        |               |             |
| E1 - 15%                     | 10       | Juniperus horizontalis | Heath Columnar | Heath Columnar Juniper | 8" H/L       | B&B    | 48"-2"        | SLOW        |
| T1 - 54%                     | 10       | Thuja occidentalis     | Green Spire    | Green Spire Cedar      | 8" H/L       | B&B    | 48"-2"        | FAST        |

| Planting Job | Planting Method | Planting Location | Planting Date | Planting Status |
|--------------|-----------------|-------------------|---------------|-----------------|
| 101-01       | Plant in hole   | Planting Location | Planting Date | Planting Status |
| 101-02       | Plant in hole   | Planting Location | Planting Date | Planting Status |
| 101-03       | Plant in hole   | Planting Location | Planting Date | Planting Status |

| Symbol | Description   | Quantity |
|--------|---------------|----------|
| 101-01 | Plant in hole | 100      |
| 101-02 | Plant in hole | 200      |
| 101-03 | Plant in hole | 300      |

1. See notes on drawing for general information.
2. All plants shall be delivered to the site in good health and condition.
3. All plants shall be delivered to the site in good health and condition.
4. All plants shall be delivered to the site in good health and condition.
5. All plants shall be delivered to the site in good health and condition.
6. All plants shall be delivered to the site in good health and condition.
7. All plants shall be delivered to the site in good health and condition.
8. All plants shall be delivered to the site in good health and condition.
9. All plants shall be delivered to the site in good health and condition.
10. All plants shall be delivered to the site in good health and condition.



| Symbol | Description | Quantity |
|--------|-------------|----------|
| ST-01  | Street Tree | 100      |
| ST-02  | Street Tree | 200      |
| ST-03  | Street Tree | 300      |



Auburn Park Landscape Architecture  
 100 Auburn University Blvd  
 Auburn, AL 36811  
 (205) 881-1125

NOT FOR CONSTRUCTION



Christa Taylor, P.L.A.  
 Professional Landscape Architect  
 AIA No. 2019023008

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

PROFESSIONAL SEAL  
 AUBURN UNIVERSITY  
 LANDSCAPE ARCHITECTURE  
 NUMBER 2019023008  
 CHRISTA TAYLOR  
 1007 2ND ST SW  
 AUBURN, AL 36811

LANDSCAPE PLAN

NORTH  
 Scale: 1"=20'  
 DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 TITLE: \_\_\_\_\_

L-101

| DATE     | DESCRIPTION         |
|----------|---------------------|
| 03/15/22 | SDSP SUBMETAL       |
| 04/11/22 | SDSP PRE-SUBMETAL   |
| 06/20/22 | TRUSS/MEP PRELIMING |

| Revision Schedule |             |
|-------------------|-------------|
| No.               | Description |
|                   |             |

| ITEM NO.     | DESCRIPTION | QUANTITY | UNIT | PRICE  | TOTAL  |
|--------------|-------------|----------|------|--------|--------|
| 1            | BL1         | 1        | EA   | 100.00 | 100.00 |
| 2            | SL1         | 1        | EA   | 100.00 | 100.00 |
| 3            | SL2A/B      | 1        | EA   | 100.00 | 100.00 |
| 4            | SL3         | 1        | EA   | 100.00 | 100.00 |
| <b>TOTAL</b> |             |          |      |        |        |

SL LIGHTS ARE A CONTRIBUTION OF THE ADJACENT POLE LIGHTS TO THE WEST ALONG WILDHORSE CREEK ROAD

NOTES:  
1. CALCULATIONS TAKEN AT GROUND LEVEL  
2. LIGHT LOSS FACTORS SET AT 8



BL1



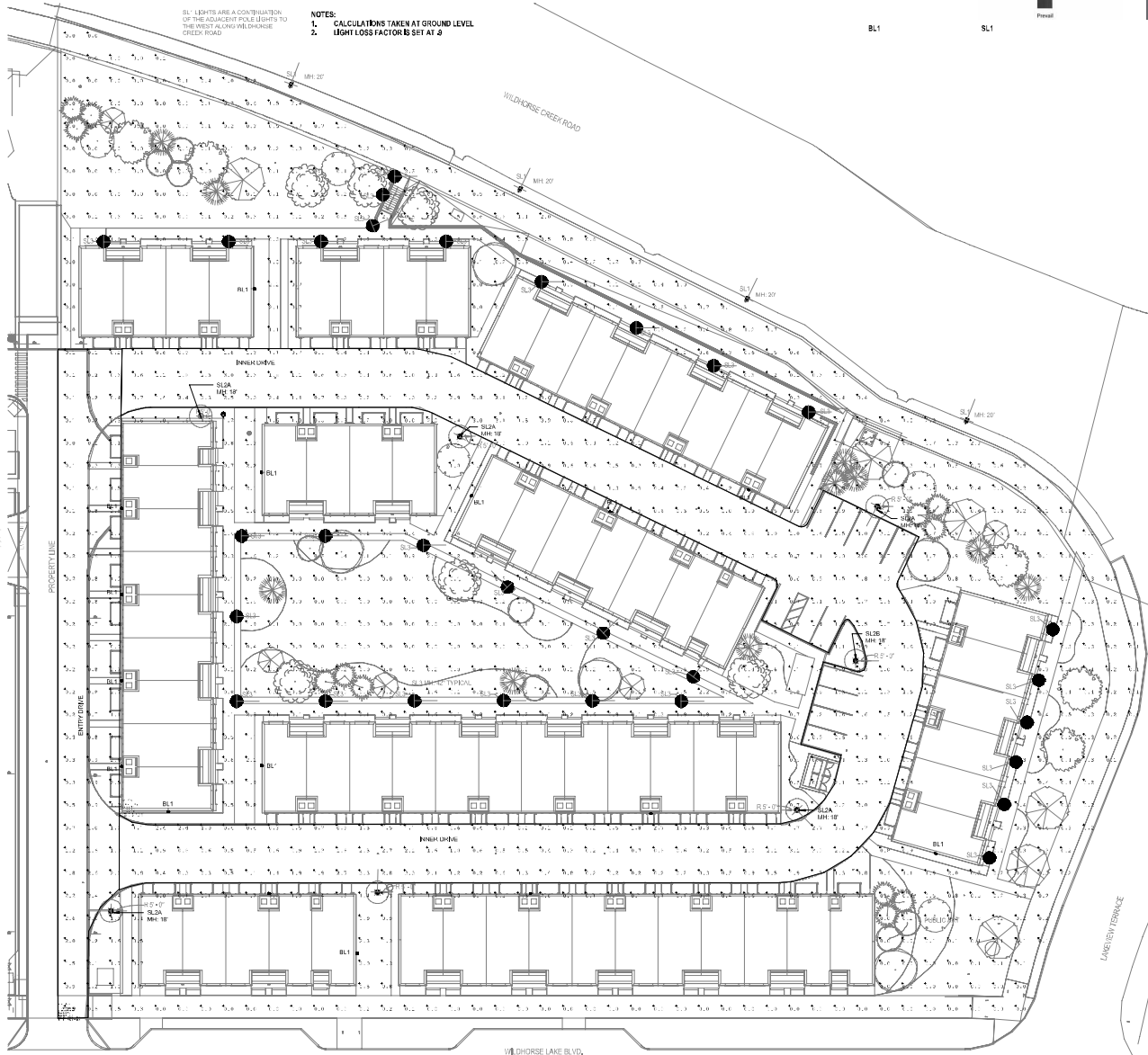
SL1



SL2A/B



SL3





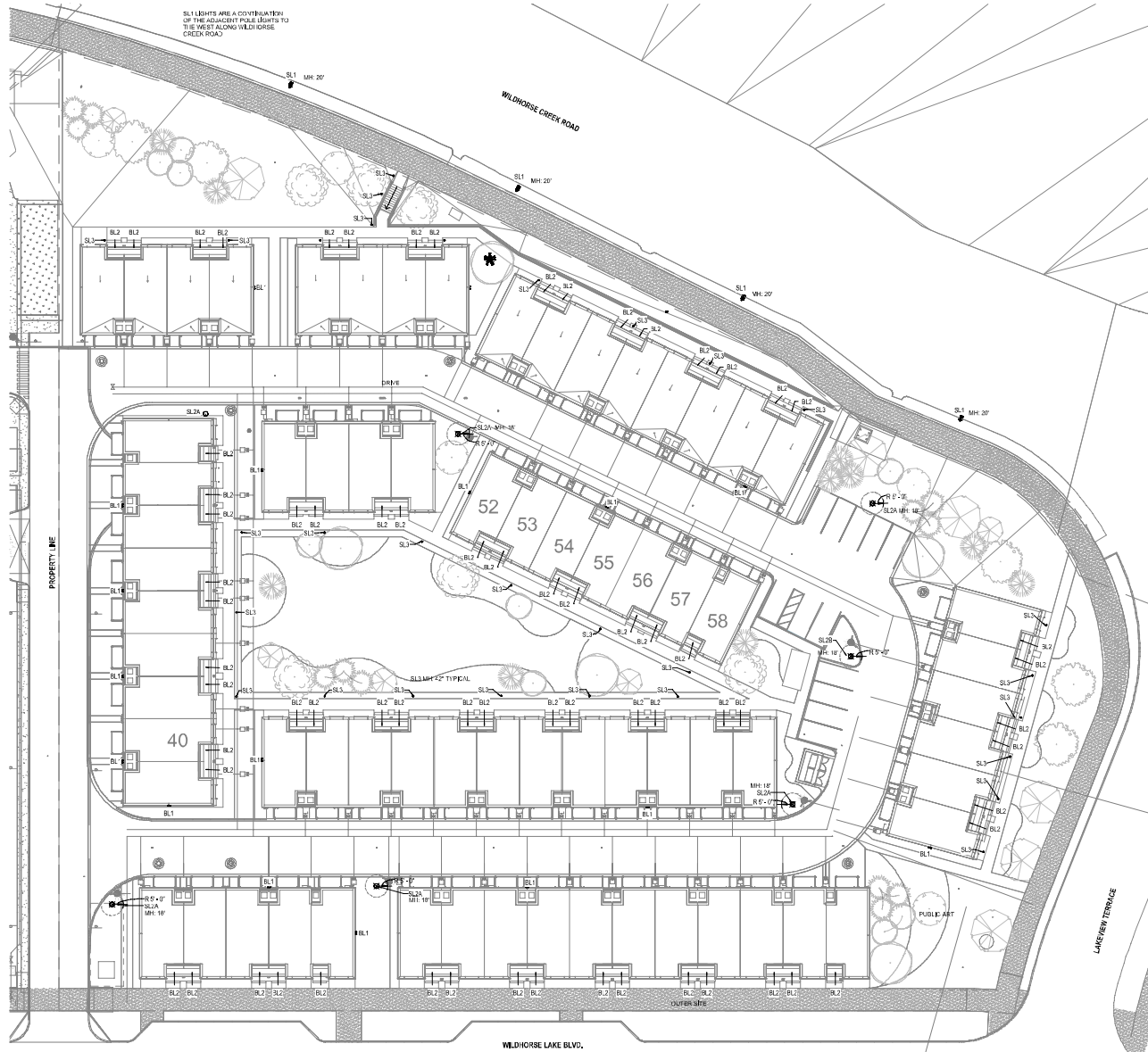
| EXTERIOR LIGHT FIXTURE SCHEDULE |   |              |                     |        |       |                |
|---------------------------------|---|--------------|---------------------|--------|-------|----------------|
| TYPE                            | DESCRIPTION   | MANUFACTURER | MODEL NAME & NUMBER | LUMENS | WATTS | MOUNTING       |
| BL1                             | WALL MOUNTED FLOOD LIGHT  | LITHONIX     | MP16ANVLT P6-BL-010 | 6,000  | 67    | WALL           |
| BL2                             | TOWNHOME ENTRY SOURCE WITH FROSTED GLOBE SHADE - WET LOCATION             | TRUY BLM     | EL124ED 50x90x4124B |        |       | WALL           |
| BL3                             | POLE MOUNTED LED HEAD - TO MATCH ADJACENT FIXTURE ALONG WILD HORSE        | LUMARK       | PRV425-04-04V1-442  | 11,750 | 86    | POLE - 20 FT   |
| SL2A                            | POLE MOUNTED LED WITH ROUND HEAD AND THIN ARM MOUNT - TYPE 4 DISTRIBUTION | INVOE        | HR3-64-LED07-05     | 6900   | 86    | POLE - 18 FT   |
| SL2B                            | POLE MOUNTED LED WITH ROUND HEAD AND THIN ARM MOUNT - TYPE 5 DISTRIBUTION | INVOE        | HR3-64-LED07-05     | 9464   | 89    | POLE - 18 FT   |
| SL3                             | LIT LED ROUND BOLLARD   | INVOE        | HR64240415          | 1276   | 32    | GROUND - 42 IN |

**LIGHT FIXTURE TAG LEGEND:**

- SLX SITE LIGHT FIXTURE
- BLX BUILDING MOUNTED LIGHT FIXTURE

**NOTES:**

1. ALL EXTERIOR LIGHTING TO BE DUSK TO DAWN EXCEPT FOR BL2 WHICH IS SWITCHED INSIDE TOWNHOMES



| REV      | DATE | DESCRIPTION       |
|----------|------|-------------------|
| 03/18/22 |      | SDSP SUBMETAL     |
| 04/11/22 |      | SDSP PRE-SUBMETAL |
| 06/20/22 |      | TRUSS/MEP PRECING |

| Revision Schedule |      |             |
|-------------------|------|-------------|
| No.               | Date | Description |
|                   |      |             |

# Rendering - Aerial View



ARCTURIS

WILDHORSE TOWNHOMES | 213191.00 | ARB | MAY 24, 2022

Terraces at Wildhorse Village

PIER PROPERTY  
GROUP



# Site Plan

## BUILDING SUMMARY

- 01** BUILDING 01  
- 4 UNITS  
- 9,114 SF
  - 02** BUILDING 02  
- 4 UNITS  
- 9,114 SF
  - 03** BUILDING 03  
- 8 UNITS  
- 18,096 SF
  - 04** BUILDING 04  
- 6 UNITS  
- 13,605 SF
  - 05** BUILDING 05  
- 11 UNITS  
- 24,837 SF
  - 06** BUILDING 06  
- 5 UNITS  
- 11,364 SF
  - 07** BUILDING 7  
- 9 UNITS  
- 20,345 SF
  - 08** BUILDING 8  
- 4 UNITS  
- 9,114 SF
  - 09** BUILDING 9  
- 7 UNITS  
- 15,854 SF
  - 10** BUILDING 10  
- 12 UNITS  
- 27,079 SF
- 158,522 Total SF**



## SITE LEGEND

- A** MAILBOX & PERGOLA
- B** TRASH ENCLOSURE
- C** MSD / UTILITY EASMENT
- D** 60' LANDSCAPE BUFFER
- E** 0-15 BUILD-TO LINE
- F** VIEW CORRIDOR
- G** PUBLIC ART

# Rendering - View Along Wildhorse Lake BLVD



ARCTURIS

WILDHORSE TOWNHOMES | 213191.00 | ARB | MAY 24, 2022

Terraces at Wildhorse Village

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# Rendering - Corner of WildHorse Lake BLVD & Lakeview TERR



ARCTURIS

WILDHORSE TOWNHOMES | 213191.00 | ARB | MAY 24, 2022

Terraces at Wildhorse Village

PIER PROPERTY  
GROUP



# Rendering - Corner of Wild Horse Creek RD & Lakeview TERR



# Rendering - View Along Wild Horse Creek RD





# Rendering - Access Road



ARCTURIS

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Terraces at Wildhorse Village

PIER PROPERTY  
GROUP

# Rendering - Internal Road View



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Terraces at Wildhorse Village

PIER PROPERTY  
GROUP



# Rendering - Internal Trash Enclosure & Mail



ARCTURIS

WILDHORSE TOWNHOMES | 213191.00 | ARB | MAY 24, 2022

Terraces at Wildhorse Village

PIER PROPERTY  
GROUP



# Rendering - Courtyard



ARCTURIS

WILDHORSE TOWNHOMES | 213191.00 | ARB | MAY 24, 2022

Terraces at Wildhorse Village

PIER PROPERTY  
GROUP



# Rendering - Internal Road View



ARCTURIS

WILDHORSE TOWNHOMES | 213191.00 | ARB | MAY 24, 2022

Terraces at Wildhorse Village

PIER PROPERTY  
GROUP

# Exterior Building Materials



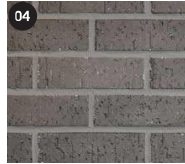
**BRICK 01**  
 Manuf: Glen-Gery  
 Style: Modular  
 Finish: Revere Pewter



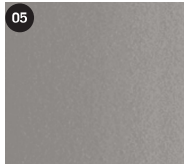
**BRICK 02**  
 Manuf: Hebron  
 Style: Modular  
 Color: Sea Gray



**BRICK 03**  
 Manuf: Endicott  
 Style: Modular  
 Color: Grey Blend



**BRICK 04**  
 Manuf: Hebron  
 Style: Modular  
 Color: Slate Gray



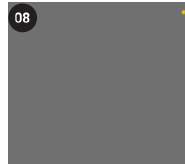
**FIBER CEMENT 01**  
 Manuf: James Hardie  
 Style: Hardiepanel  
 Color: Pearl Gray



**FIBER CEMENT 02**  
 Manuf: James Hardie  
 Style: Hardie Plank  
 Color: Gray Slate



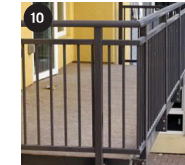
**METAL SHINGLE 01**  
 Manuf: Atas  
 Style: Standing Seam  
 Color: Charcoal Grey



**METAL COPING 01**  
 Manuf: Pac-Clad  
 Style: Flashing & Trim  
 Color: Charcoal



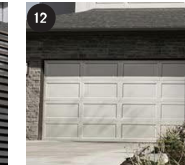
**VINYL WINDOW**  
 Manuf: TBD  
 Style: Single Hung  
 Color: Black & White



**METAL RAILING**  
 Manuf: ATR  
 Style: Aluminum Picket  
 Color: Black



**METAL LOUVER SCREEN**  
 Manuf: Custom  
 Style: Kynar Finish  
 Color: Black



**GARAGE DOOR**  
 Manuf: Doorlink  
 Style: Long Recessed Panel  
 Color: White





# Exterior Building Materials



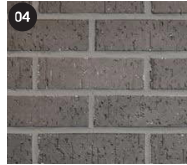
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 Manuf: Glen-Gery  
 Style: Modular  
 Finish: Reverse Pewter



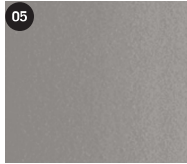
**BRICK 02**  
 Manuf: Hebron  
 Style: Modular  
 Color: Sea Gray



**BRICK 03**  
 Manuf: Endicott  
 Style: Modular  
 Color: Grey Blend



**BRICK 04**  
 Manuf: Hebron  
 Style: Modular  
 Color: Slate Gray



**FIBER CEMENT 01**  
 Manuf: James Hardie  
 Style: Hardiepanel  
 Color: Pearl Gray



**FIBER CEMENT 02**  
 Manuf: James Hardie  
 Style: Hardie Plank  
 Color: Gray Slate



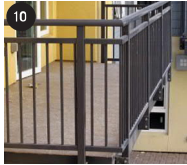
**METAL SHINGLE 01**  
 Manuf: Atas  
 Style: Standing Seam  
 Color: Charcoal Grey



**METAL COPING 01**  
 Manuf: Pac-Clad  
 Style: Flashing & Trim  
 Color: Charcoal



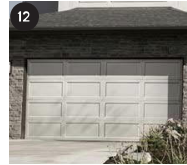
**VINYL WINDOWS & DOORS**  
 Manuf: TBD  
 Style: Single Hung  
 Color: Black & White



**METAL RAILING**  
 Manuf: ATR  
 Style: Aluminum Picket  
 Color: Black



**METAL LOUVER SCREEN**  
 Manuf: Custom  
 Style: Kynar Finish  
 Color: Black



**GARAGE DOOR**  
 Manuf: Doorlink  
 Style: Long Recessed Panel  
 Color: White



# Architect's Statement

## General Requirements for Site Design:

- Site Relationship

The proposed project is part of the larger Wildhorse Village development and as such conforms to and incorporates the site design requirements as outlined in Ordinance 3161. The project is bordered to the north by Wild Horse Creek Road, to the west by The Flats at Wildhorse Village, to the south by Wildhorse Lake Boulevard, and to the east by Lakeview Terrace. Lots to the east, west, and south are also part of the larger Wildhorse Village development. The Townhomes at Wildhorse Village is planned to embrace views of the existing lake to the south and to intentionally tie into the planned streets, sidewalks and trails of Wildhorse Village. Public art is proposed near the corner of Lakeview Terrace and Wildhorse Lake BLVD.

- Circulation System and Access

The site is accessed via one curb-cut shared between lots 2A-1 and 2A-2. All vehicular access will utilize this drive for tenant parking, loading and trash. One internal drive circles through the development, providing vehicular access and fire apparatus access. Internal pedestrian sidewalks and paths connect to the large pedestrian paths of the Wildhorse Village development.

- Topography

The site slopes from a high point at the southwest corner property line towards the northeast, falling approximately 10 feet.

- Retaining Walls

Due to the topography of the site, the proposed development utilizes retaining walls at the northwest corner of the site. The walls are designed to be minimal in appearance with heights ranging between 3-5 feet. Extensive landscaping will help obscure the walls from Wild Horse Creek Road. The retaining walls will be constructed of modular masonry.

## General Requirements for Building Design:

- Scale

This development has been designed in concert with the density and urban aspirations of the Wildhorse Village master plan. The buildings utilize an articulation pattern of voids and recesses with unifying roof elements to create a rhythm of "corners and edges." This strategy is a similar approach used for The Flats of Wildhorse Village. Façade elements like the full, 3-story

projections provides a strong vertical presence and reinforces the notion of "townhouse". Finally, the buildings step back at the 3rd floor to breakdown the vertical scale of the building while also provide interesting visual relief and architectural continuity.

- Design

The architecture intends to instill the same feeling of quality and sophistication of The Flats at Wildhorse Village: clean, modern aesthetics with hints of classical forms and organization. Projecting building elements and setbacks provide visual interest and help inform the street edge. The subtle sloped roof forms at the 3rd floor insets also play on expectations of modern and classical design. Programmatically, the development utilizes one point of entry to help localize and isolate servicing. The trash enclosure and garage entries are located off the internal drive and are concealed from public view. Overall, the buildings are strong yet subdued, aging well over time and providing a fitting backdrop to the urban fabric.

- Materials and Color

The main building materials will be brick, vision glass, gray metal shingles, gray fiber cement panels and fiber cement lap siding. Black vinyl doors and windows with Low E glazing will be used at all residential units. The warm color palette browns and grays is intended to harmonize with the neighboring Flats at Wildhorse Village and to feel calming and inviting.

- Landscape Design, Screening and Fencing

The development incorporates a comprehensive landscape design package intended to enhance natural features, views, as well as integrate into the Wildhorse Village master landscape plan. Where possible, site utilities will be screened by plantings. At decorative metal railing provides fall protection along the sidewalk near the retaining walls. This railing will match the railing for the dog run at The Flats of Wildhorse Village.



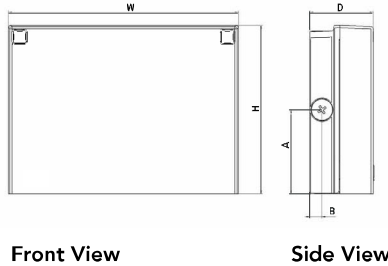
# WPX LED Wall Packs

TYPE BL1  
WILDHORSE TOWNHOMES  
LOT 2A-2



BL1

## 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

| WPX2        | TBD               | MVOLT                 | PE  | DBLXD                                     |
|-------------|-------------------|-----------------------|---|---|
| Series      | Color Temperature | Voltage               | Options   | Finish                                    |
| WPX1 LED P1 | 30K 3000K         | MVOLT 120V - 277V     | (blank) None  | DDBXD Dark bronze                         |
| WPX1 LED P2 | 40K 4000K         | 347 347V <sup>3</sup> | E4WH Emergency battery backup, CEC compliant (4W, 0°C min) <sup>2</sup>     | DWHXD White                               |
| WPX2 LED    | 50K 5000K         |                       | E14WC Emergency battery backup, CEC compliant (14W, -20°C min) <sup>2</sup> | DBLXD Black                               |
| WPX3 LED    |                   |                       | PE Photocell <sup>3</sup>   | 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. WPX is rated for -40°C to 40°C.

### 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-efficiency 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/OPL](http://www.designlights.org/OPL) 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. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://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 <b>E4WH</b> DDBXD  |
| Cold Weather | -20°C                      | 14W           | E14WC           | WPX2 LED 40K MVOLT <b>E14WC</b> DDBXD |

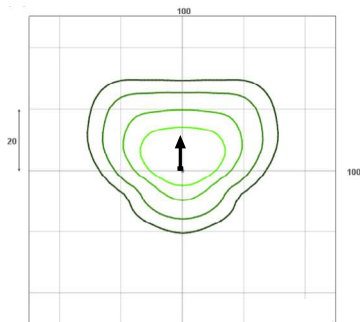
## Photometric Diagrams

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

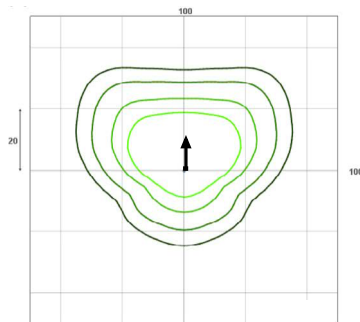
#### LEGEND

|  |        |
|--|--------|
| <span style="display:inline-block; width:10px; height:10px; background-color:#006400;"></span> | 0.1 fc |
| <span style="display:inline-block; width:10px; height:10px; background-color:#008000;"></span> | 0.2 fc |
| <span style="display:inline-block; width:10px; height:10px; background-color:#00FF00;"></span> | 0.5 fc |
| <span style="display:inline-block; width:10px; height:10px; background-color:#FFFF00;"></span> | 1.0 fc |

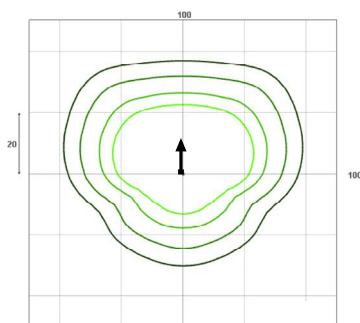
WPX1 LED P1



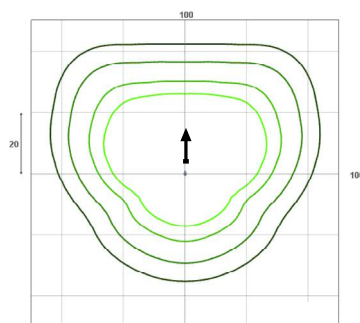
WPX1 LED P2



WPX2 LED



WPX3 LED



Mounting Height = 12 Feet.

TYPE SL1 HEAD  
WILDHORSE TOWNHOMES  
LOT 2A-2

TO MATCH ADJACENT HEAD

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



# Lumark

## Prevail LED

Area / Site Luminaire

### Product Features



### Interactive Menu

- Ordering Information page 2
- Mounting Details page 3
- Optical Configurations page 4
- Product Specifications page 4
- Energy and Performance Data page 5
- Control Options page 6

### Product Certifications



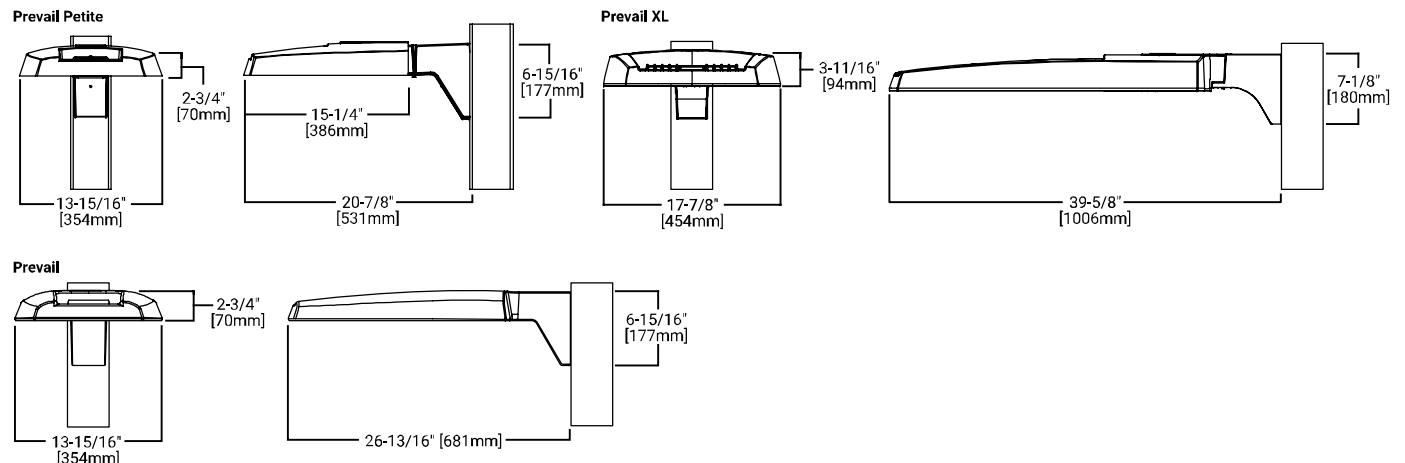
### Quick Facts

- Lumen packages range from 4,800 - 52,300 lumens (35W - 350W)
- Replaces 70W up to 1,000W HID equivalents
- Efficacies up to 160 lumens per watt
- Energy and maintenance savings up to 85% versus HID solutions
- Standard universal quick mount arm with universal drill pattern

### Connected Systems

- WaveLinx

### Dimensional Details




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

Ordering Information

SAMPLE NUMBER: PRV-XL-C75-D-UNV-T4-SA-BZ

| Product Family <sup>1,2</sup>   | Light Engine <sup>4</sup>   | Driver            | Voltage  | Distribution   | Mounting   | Color  |
|---|---|-------------------|--|--|--|--|
| PRV-P=Prevail Petite<br>BAA-PRV-P=Prevail Petite BAA Compliant <sup>3</sup><br>TAA-PRV-P=Prevail Petite TAA Compliant <sup>3</sup>  | C10=(1 LED) 4,900 Nominal Lumens<br>C15=(1 LED) 6,900 Nominal Lumens<br>C20=(1 LED) 9,800 Nominal Lumens<br>C25=(1 LED) 11,800 Nominal Lumens   | D=Dimming (0-10V) | UNV=Universal (120-277V)<br>347=347V<br>480=480V <sup>5</sup><br>DV=DuraVolt (277-480V) <sup>5,6</sup>   | T2=Type II<br>T3=Type III<br>T4=Type IV<br>T5=Type V | SA=Standard Versatile Arm<br>MA=Mast Arm<br>WM=Wall Mount Arm<br>ADJA=Adjustable Arm - Pole Mount<br>ADJS=Adjustable Arm - Slipfitter, 3in vertical tenon<br>ADJA-WM=Adjustable Arm - Wall Mount | BZ=Bronze<br>AP=Grey<br>BK=Black<br>DP=Dark Platinum<br>GM=Graphite Metallic<br>WH=White |
| PRV=Prevail<br>BAA-PRV=Prevail BAA Compliant <sup>3</sup><br>TAA-PRV=Prevail TAA Compliant <sup>3</sup>   | C15=(1 LED) 7,100 Nominal Lumens<br>C25=(2 LEDs) 13,100 Nominal Lumens<br>C40=(2 LEDs) 17,100 Nominal Lumens<br>C60=(2 LEDs) 20,000 Nominal Lumens  |                   |  |  |  |  |
| PRV-XL=Prevail XL<br>BAA-PRV-XL=Prevail XL BAA Compliant <sup>3</sup><br>TAA-PRV-XL=Prevail XL TAA Compliant <sup>3</sup>   | C75=(4 LED) 26,100 Nominal Lumens<br>C100=(4 LED) 31,000 Nominal Lumens<br>C125=(4 LED) 36,000 Nominal Lumens<br>C150=(6 LED) 41,100 Nominal Lumens<br>C175=(6 LED) 48,600 Nominal Lumens |                   |  |  |  |  |
| Options (Add as Suffix)   |   |                   | Accessories (Order Separately) <sup>20,21</sup>  |  |  |  |
| <p>7030=70 CRI / 3000K CCT <sup>7</sup><br/>7050=70 CRI / 5000K CCT <sup>7</sup><br/>HSS=House Side Shield <sup>8</sup><br/>L90=Optics Rotated 90° Left<br/>R90=Optics Rotated 90° Right<br/>10K=10kV UL 1449 Fused Surge Protective Device<br/>20MSP=20kV MOV Surge Protective Device<br/>20K=Series 20kV UL 1449 Surge Protective Device<br/>HA=50°C High Ambient Temperature <sup>9</sup><br/>CC=Coastal Construction <sup>10</sup><br/>PER=NEMA 3-PIN Twistlock Photocontrol Receptacle <sup>11</sup><br/>PER7=NEMA 7-PIN Twistlock Photocontrol R eceptacle <sup>11</sup><br/>MS/DIM-L08=Dimming Motion and Daylight Sensor, IR Remote Programmable, &lt; 8' Mounting <sup>12,13</sup><br/>MS/DIM-L20=Dimming Motion and Daylight Sensor, IR Remote Programmable, 8' - 20' Mounting <sup>12,13</sup><br/>MS/DIM-L40=Dimming Motion and Daylight Sensor, IR Remote Programmable, 21' - 40' Mounting <sup>12,13</sup></p>  |   |                   | <p>SPB1=Dimming Motion and Daylight Sensor, Bluetooth Programmable, &lt; 8' Mounting <sup>12,14</sup><br/>SPB2=Dimming Motion and Daylight Sensor, Bluetooth Programmable, 8' - 20' Mounting <sup>12,14</sup><br/>SPB4=Dimming Motion and Daylight Sensor, Bluetooth Programmable, 21' - 40' Mounting <sup>12,14</sup><br/>ZW=Wavelinx-enabled 4-PIN Twistlock Receptacle <sup>12</sup><br/>ZD=SR Driver-enabled 4-PIN Twistlock Receptacle <sup>12</sup><br/>ZW-SWPD4XX=WaveLinx, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting <sup>12,15,16,17</sup><br/>ZW-SWPD5XX=WaveLinx, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting <sup>12,15,16,17</sup><br/>ZD-SWPD4XX=WaveLinx, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting <sup>12,15,16,17</sup><br/>ZD-SWPD5XX=WaveLinx, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting <sup>12,15,16,17</sup><br/>(See Table Below)=LumenSafe Integrated Network Security Camera <sup>18,19</sup></p>  |  |  |  |
| <p>NOTES:<br/>1. Design Lights Consortium® Qualified. Refer to <a href="http://www.designlights.org">www.designlights.org</a> Qualified Products List under Family Models for details.<br/>2. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to installation instructions IB500002EN and pole white paper WP513001EN for additional support information.<br/>3. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to <a href="http://www.designlights.org">DOMESTIC PREFERENCES</a> website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.<br/>4. Standard 4000K CCT and 70CRI.<br/>5. 480V not to be used with ungrounded or impedance grounded systems.<br/>6. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit <a href="http://www.signify.com/duravolt">www.signify.com/duravolt</a> for more information.<br/>7. Use dedicated IES files on product website for non-standard CCTs.<br/>8. House Side Shield not suitable with T5 distribution. Not available with PRV-C60 lumen package.<br/>9. Not available with PRV-C60 lumen package. Not available with PRV-P-C25 lumen package.<br/>10. Salt spray tested to over 5,000-hours per ASTM B117 with a scribe rating of 9 per ASTM D1654. Also achieves 7,000-hour rating per ASTM B117 with a scribe rating of 4 per ASTM D1654. Extended lead times may apply.<br/>11. If DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used.<br/>12. Controls system is not available in combination with a photocontrol receptacle (PER or PER7) or another controls system (MS, SPB, ZD, or ZW). Option not available with DuraVolt (DV) voltage option.<br/>13. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately.<br/>14. Utilizes the Wattstopper sensor FSP-3XX series. Sensor color determined by product finish. See Sensor Color Reference Table. Field-configures via mobile application. See Controls section for details.</p> |   |                   | <p>PRVSA-XX=Standard Arm Mounting Kit <sup>22</sup><br/>PRVMA-XX=Mast Arm Mounting Kit <sup>22</sup><br/>PRVWM-XX=Wall Mount Kit <sup>22</sup><br/>PRV-ADJA-XX=Adjustable Arm - Pole Mount Kit <sup>22</sup><br/>PRV-ADJS-XX=Adjustable Arm - Slipfitter Kit <sup>22</sup><br/>PRV-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit <sup>22</sup><br/>PRVXLSA-XX=Standard Arm Mounting Kit <sup>18</sup><br/>PRVXLSMA-XX=Mast Arm Mounting Kit <sup>18</sup><br/>PRVXLWM-XX=Wall Mount Kit <sup>18</sup><br/>PRV-XL-ADJA-XX=Adjustable Arm - Pole Mount Kit <sup>18</sup><br/>PRV-XL-ADJS-XX=Adjustable Arm - Slipfitter Kit <sup>18</sup><br/>PRV-XL-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit <sup>18</sup><br/>MA1010-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon<br/>MA1011-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon<br/>MA1017-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon<br/>MA1018-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon</p> <p>SRA238=Tenon Adapter from 2-3/8" to 3"<br/>PRV/COB-FDV=Full Drop Visor <sup>23</sup><br/>PRVXL/COB-FDV=Full Drop Visor <sup>18</sup><br/>HS/VERD=House Side Shield <sup>8,24</sup><br/>VGS-F/B=Vertical Glare Shield, Front/Back <sup>24</sup><br/>VGS-SIDE=Vertical Glare Shield, Side <sup>24</sup><br/>OA/RA1013=Photocontrol Shorting Cap<br/>OA/RA1014=NEMA Photocontrol - 120V<br/>OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V<br/>OA/RA1201=NEMA Photocontrol - 347V<br/>OA/RA1027=NEMA Photocontrol - 480V<br/>FSIR-100=Wireless Configuration Tool for Occupancy Sensor <sup>25</sup><br/>SWPD4-XX=WaveLinx Sensor, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting <sup>15,16,17,26</sup><br/>SWPD5-XX=WaveLinx Sensor, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting <sup>15,16,17,26</sup><br/>WOLC-7P-10A=WaveLinx Outdoor Control Module (7-PIN) <sup>27</sup></p> <p>15. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).<br/>16. For the device to be field-configurable, requires WAC Gateway components WAC-PoE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more WaveLinx application information.<br/>17. Replace XX with sensor color (WH, BZ, or BK).<br/>18. Only available in PRV-XL configurations C75, C100, C125, C150, or C175.<br/>19. Not available with 347V, 480V, DV, or HA options. Consult LumenSafe system product pages for additional details and compatibility information.<br/>20. Replace XX with paint color.<br/>21. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.<br/>22. Only for use with PRV and PRV-P.<br/>23. Only for use with PRV. Not available for use with PRV-P or PRV-XL configurations.<br/>24. Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 4, or 6).<br/>25. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.<br/>26. Requires 4-PIN twistlock receptacle (ZD or ZW) option.<br/>27. Requires 7-PIN NEMA twistlock photocontrol receptacle (PER7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS, ZD, ZW or LWR). Operates on 120-347V input voltages.</p> |  |  |  |

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

| Product Family   | Camera Type  | Data Backhaul  |   |                       |
|--|--|--|---|-----------------------|
| L=LumenSafe Technology  | H=Dome Camera, High Res<br>Z=Dome Camera, Remote PTZ | C=Cellular, Customer Installed SIM Card<br>A=Cellular, Factory Installed AT&T SIM Card | V=Cellular, Factory Installed Verizon SIM Card<br>S=Cellular, Factory Installed Sprint SIM Card | E=Ethernet Networking |

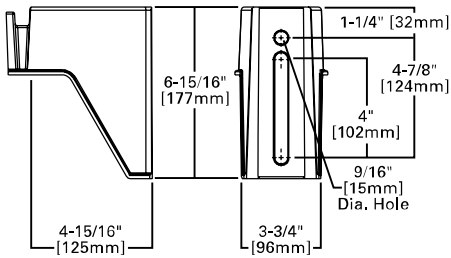
Stock Ordering Information

| Product Family <sup>1</sup>  | Light Engine  | Voltage   | Distribution              |
|--|---|---|---------------------------|
| PRVS=Prevail   | C15=(1 LED) 7,100 Nominal Lumens<br>C25=(2 LEDs) 13,100 Nominal Lumens<br>C40=(2 LEDs) 17,100 Nominal Lumens<br>C60=(2 LEDs) 20,000 Nominal Lumens  | UNV=Universal (120-277V)<br>347=347V <sup>2</sup> | T3=Type III<br>T4=Type IV |
| PRVS-XL=Prevail XL   | C75=(4 LED) 26,100 Nominal Lumens<br>C100=(4 LED) 31,000 Nominal Lumens<br>C125=(4 LED) 36,000 Nominal Lumens<br>C150=(6 LED) 41,100 Nominal Lumens<br>C175=(6 LED) 48,600 Nominal Lumens |   |                           |
| <p>NOTES:<br/>1. All stock configurations are standard 4000K/70CRI, bronze finish, and include the standard versatile mounting arm.<br/>2. Only available in PRVS configurations C15, C25, C40 or C60.</p> |   |   |                           |

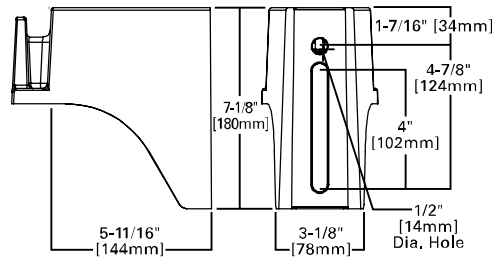


Mounting Details

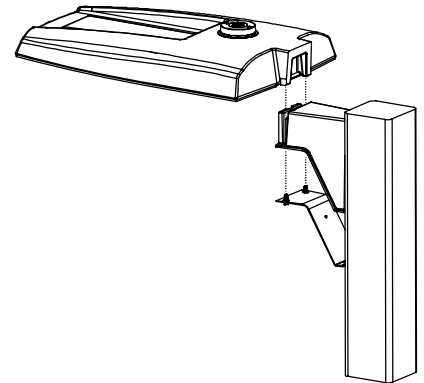
Pole Mount Arm (PRV & PRV-P)



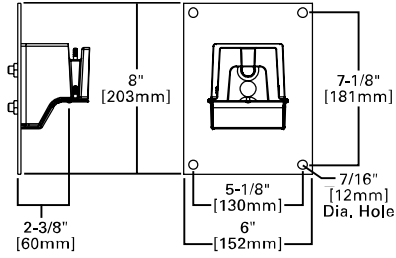
Pole Mount Arm (PRV-XL)



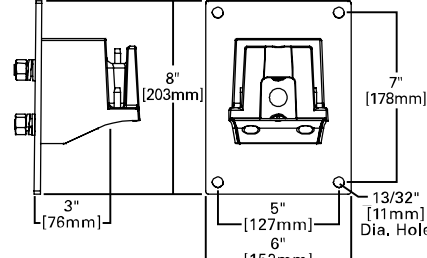
Versatile Mount System



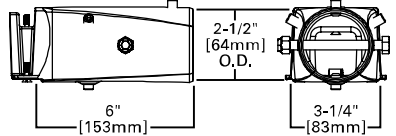
Wall Mount (PRV & PRV-P)



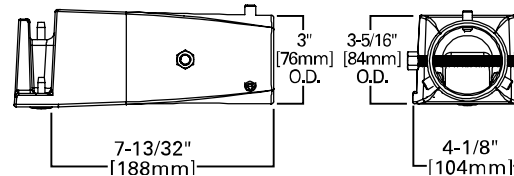
Wall Mount (PRV-XL)



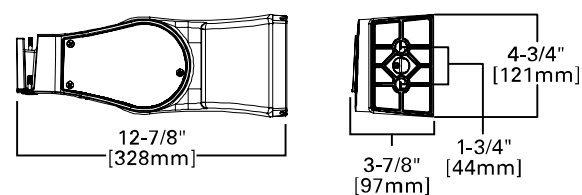
Mast Arm Mount (PRV & PRV-P)



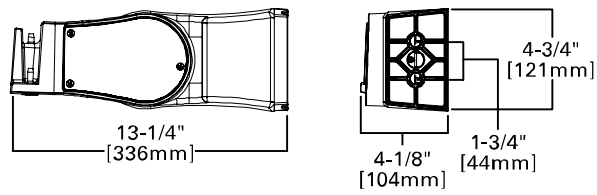
Mast Arm Mount (PRV-XL)



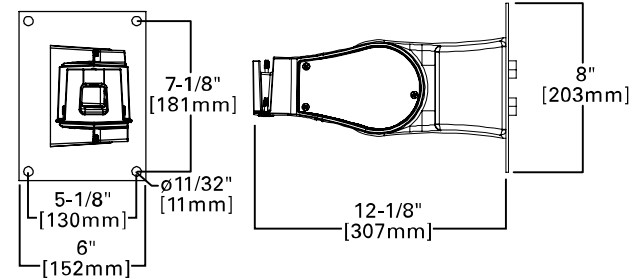
Adjustable Pole Mount Arm (PRV & PRV-P)



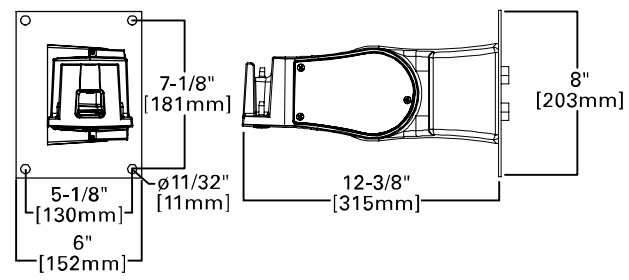
Adjustable Pole Mount Arm (PRV-XL)



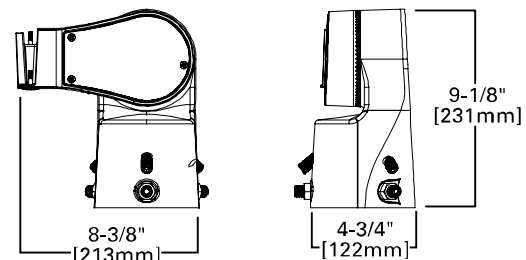
Adjustable Wall Mount (PRV & PRV-P)



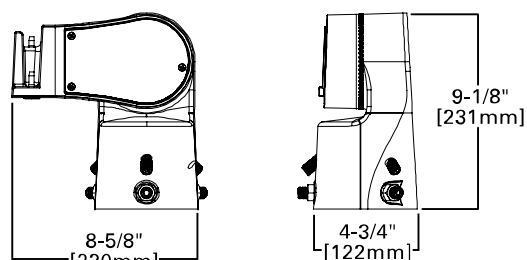
Adjustable Wall Mount (PRV-XL)



Adjustable Slipfitter (PRV & PRV-P)




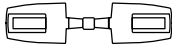
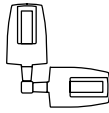
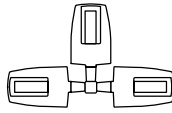
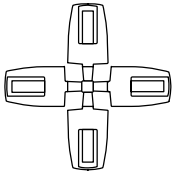
Adjustable Slipfitter (PRV-XL)



## Mounting Details

### Mounting Configurations and EPAs

**NOTE:** For 2 PRV's mounted at 90°, requires minimum 3" square or 4" round pole for fixture clearance. For 2 PRV-XL's mounted at 90°, requires minimum 4" square or round pole for fixture clearance. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications.

|                |                       |  |  |  |  |  |
|----------------|-----------------------|---|---|--|---|---|
| Housing Size   | Tilt Angle (Degrees)  | Arm Mount Single  | Arm Mount 2 @ 180°  | Arm Mount 2 @ 90°  | Arm Mount 3 @ 90°   | Arm Mount 4 @ 90°   |
| Prevail Petite | 0°                    | 0.54  | 1.08  | 0.84   | 1.38  | 1.38  |
|                | 60°                   | 1.68  | 1.85  | 2.42   | 3.15  | 3.30  |
| Prevail        | 0°                    | 0.92  | 1.35  | 1.42   | 1.63  | 1.63  |
|                | 60°                   | 2.20  | 2.40  | 3.05   | 3.88  | 4.07  |
|                | 60° + Full Drop Visor | 2.20  | 2.40  | 3.25   | 4.28  | 4.47  |
| Prevail XL     | 0°                    | 1.12  | 2.25  | 2.13   | 2.52  | 2.52  |
|                | 60°                   | 3.99  | 4.30  | 5.26   | 6.51  | 6.79  |
|                | 60° + Full Drop Visor | 3.99  | 4.30  | 5.59   | 7.17  | 7.49  |

## Optical Configurations

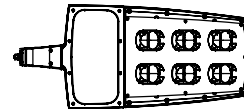
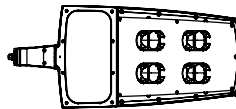
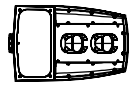
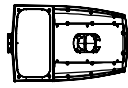
**PRV-P-C10/C15/C20/C25**  
(4,900/6,900/9,800/11,800  
Nominal Lumens)

**PRV-C15**  
(7,100 Nominal Lumens)

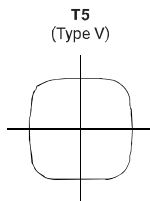
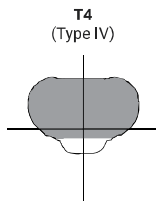
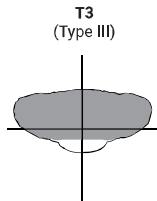
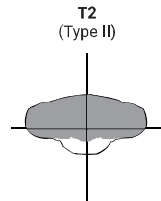
**PRV-C25/C40/C60**  
(13,100/17,100/20,000  
Nominal Lumens)



**PRV-XL-C75/C100/C125**  
(26,100/31,000/36,300 Nominal Lumens)

**PRV-XL-C150/C175**  
(41,100/48,600 Nominal Lumens)



### Optical Distributions



 = Distribution with House Side Shield (HSS)  
 = Optical Distribution

## Product Specifications

### Construction

- Single-piece die-cast aluminum housing
- Tethered die-cast aluminum door

### Optics

- Dark Sky Approved (3000K CCT and warmer only)
- Precision molded polycarbonate optics

### Electrical

- -40°C minimum operating temperature
- 40°C maximum operating temperature
- >.9 power factor
- <20% total harmonic distortion
- Class 1 electronic drivers have expected life of 100,000 hours with <1% failure rate
- 0-10V dimming driver is standard with leads external to the fixture
- Standard MOV surge protective device designed to withstand 10kV of transient line surge

### Mounting

- Versatile, patented, standard mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8" (Type M drilling recommended for new installations)
- A knock-out on the standard mounting arm enables round pole mounting
- Adjustable pole and wall mount arms adjust in 5° increments from 0° to 60°; Downward facing orientation only (Type N drilling required for ADJA mount)
- Adjustable slipfitter arm adjusts in 5° increments from -5° to 85°; Downward facing orientation only
- Adjustable Arms: 1.5G vibration rated
- Prevail and Prevail Petite: 3G vibration rated
- Prevail XL Mast Arm: 3G vibration rated
- Prevail XL Standard Arm: 1.5G vibration rated

### Typical Applications

- Parking lots, Walkways, Roadways and Building Areas

### Finish

- Five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Finish is compliant to 3,000 hour salt spray standard (per ASTM B117)

### Shipping Data

- Prevail Petite: 18 lbs. (7.94 kgs.)
- Prevail: 20 lbs. (9.09 kgs.)
- Prevail XL: 45 lbs. (20.41 kgs.)

### Warranty

- Five year limited warranty, consult website for details. [www.cooperlighting.com/legal](http://www.cooperlighting.com/legal)

Energy and Performance Data

[View PRV-P IES files](#)

[View PRV IES files](#)

[View PRV-XL IES files](#)

Power and Lumens

| Product Family                   | Prevail Petite            |          |          |          | Prevail  |          |          |          | Prevail XL |          |          |          |          |          |
|----------------------------------|---------------------------|----------|----------|----------|----------|----------|----------|----------|------------|----------|----------|----------|----------|----------|
| Light Engine                     | C10                       | C15      | C20      | C25      | C15      | C25      | C40      | C60      | C75        | C100     | C125     | C150     | C175     |          |
| <b>Power (Watts)</b>             | 35                        | 49       | 73       | 94       | 52       | 96       | 131      | 153      | 176        | 217      | 264      | 285      | 346      |          |
| <b>Input Current @ 120V (A)</b>  | 0.29                      | 0.41     | 0.61     | 0.79     | 0.43     | 0.80     | 1.09     | 1.32     | 1.50       | 1.84     | 2.21     | 2.38     | 2.92     |          |
| <b>Input Current @ 277V (A)</b>  | 0.13                      | 0.18     | 0.27     | 0.35     | 0.19     | 0.35     | 0.48     | 0.57     | 0.66       | 0.82     | 0.97     | 1.04     | 1.25     |          |
| <b>Input Current @ 347V (A)</b>  | 0.11                      | 0.16     | 0.23     | 0.29     | 0.17     | 0.30     | 0.41     | 0.48     | 0.54       | 0.66     | 0.79     | 0.84     | 1.02     |          |
| <b>Input Current @ 480V (A)</b>  | 0.08                      | 0.12     | 0.17     | 0.22     | 0.12     | 0.22     | 0.30     | 0.35     | 0.40       | 0.48     | 0.57     | 0.62     | 0.74     |          |
| <b>Distribution <sup>1</sup></b> |                           |          |          |          |          |          |          |          |            |          |          |          |          |          |
| <b>Type II</b>                   | 4000K Lumens              | 4,775    | 6,717    | 9,542    | 11,521   | 7,123    | 13,205   | 17,172   | 20,083     | 26,263   | 31,231   | 36,503   | 41,349   | 48,876   |
|                                  | BUG Rating                | B1-U0-G1 | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B3-U0-G3 | B3-U0-G3   | B3-U0-G3 | B3-U0-G4 | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 |
|                                  | Lumens per Watt           | 138      | 137      | 131      | 122      | 137      | 138      | 131      | 131        | 149      | 144      | 138      | 145      | 141      |
|                                  | 3000K Lumens <sup>1</sup> | 4,869    | 6,595    | 9,369    | 11,312   | 6,994    | 12,965   | 16,860   | 19,718     | 25,786   | 30,664   | 35,840   | 40,598   | 47,989   |
| <b>Type III</b>                  | 4000K Lumens              | 4,782    | 6,727    | 9,556    | 11,538   | 7,111    | 13,183   | 17,144   | 20,050     | 26,120   | 31,061   | 36,304   | 41,124   | 48,610   |
|                                  | BUG Rating                | B1-U0-G2 | B1-U0-G2 | B2-U0-G3 | B2-U0-G3 | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4   | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 |
|                                  | Lumens per Watt           | 138      | 137      | 131      | 123      | 137      | 137      | 131      | 131        | 148      | 143      | 138      | 144      | 140      |
|                                  | 3000K Lumens <sup>1</sup> | 4,695    | 6,605    | 9,383    | 11,329   | 6,982    | 12,944   | 16,832   | 19,686     | 25,646   | 30,497   | 35,645   | 40,377   | 47,727   |
| <b>Type IV</b>                   | 4000K Lumens              | 4,880    | 6,865    | 9,752    | 11,774   | 7,088    | 13,140   | 17,087   | 19,984     | 26,098   | 31,035   | 36,274   | 41,089   | 48,569   |
|                                  | BUG Rating                | B1-U0-G2 | B1-U0-G2 | B2-U0-G3 | B2-U0-G3 | B1-U0-G3 | B2-U0-G4 | B2-U0-G4 | B3-U0-G5   | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 |
|                                  | Lumens per Watt           | 141      | 140      | 134      | 125      | 136      | 137      | 130      | 131        | 148      | 143      | 137      | 144      | 140      |
|                                  | 3000K Lumens <sup>1</sup> | 4,792    | 6,740    | 9,575    | 11,561   | 6,959    | 12,901   | 16,777   | 19,621     | 25,624   | 30,471   | 35,615   | 40,343   | 47,687   |
| <b>Type V</b>                    | 4000K Lumens              | 5,067    | 7,128    | 10,126   | 12,226   | 7,576    | 14,045   | 18,264   | 21,360     | 28,129   | 33,450   | 39,097   | 44,287   | 52,349   |
|                                  | BUG Rating                | B3-U0-G2 | B3-U0-G2 | B4-U0-G3 | B4-U0-G3 | B3-U0-G3 | B4-U0-G3 | B4-U0-G4 | B5-U0-G4   | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 |
|                                  | Lumens per Watt           | 146      | 145      | 139      | 130      | 146      | 146      | 139      | 140        | 160      | 154      | 148      | 155      | 151      |
|                                  | 3000K Lumens <sup>1</sup> | 4,975    | 6,999    | 9,942    | 12,004   | 7,438    | 13,790   | 17,932   | 20,972     | 27,618   | 32,843   | 38,387   | 43,483   | 51,398   |

NOTES:  
1. For 3000K, 5000K or HSS data, refer to published IES files.

Lumen Maintenance

| Configuration                      | TM-21 Lumen Maintenance (50,000 Hours) | Theoretical L70 (Hours) |
|------------------------------------|--|-------------------------|
| Prevail and Prevail Petite at 25°C | 91.30%                                 | > 194,000               |
| Prevail and Prevail Petite at 40°C | 87.59%                                 | > 134,000               |
| Prevail XL at 25°C                 | 91.40%                                 | > 204,000               |
| Prevail XL at 40°C                 | 89.41%                                 | > 158,000               |

Sensor Color Reference Table (SPBx)

| Housing Finish               | Sensor Color |
|------------------------------|--------------|
| <b>AP</b> =Grey              | Grey         |
| <b>BZ</b> =Bronze            | Bronze       |
| <b>BK</b> =Black             | Black        |
| <b>DP</b> =Dark Platinum     | Grey         |
| <b>GM</b> =Graphite Metallic | Black        |
| <b>WH</b> =White             | White        |

Lumen Multiplier

| Ambient Temperature | Lumen Multiplier |
|---------------------|------------------|
| 10°C                | 1.02             |
| 15°C                | 1.01             |
| 25°C                | 1.00             |
| 40°C                | 0.99             |

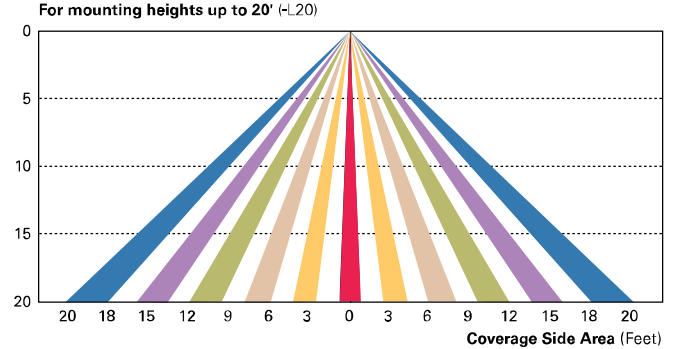
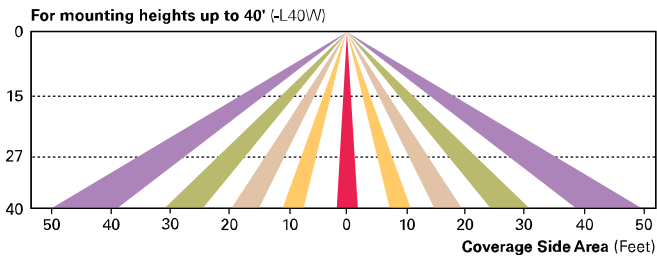
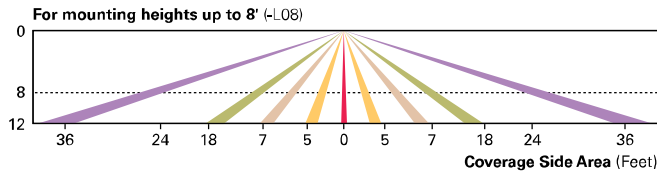


### Control Options

**0-10V** This fixture provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

**Photocontrol (PER and PER7)** Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-PIN standards can be utilized with the PER7 receptacle.

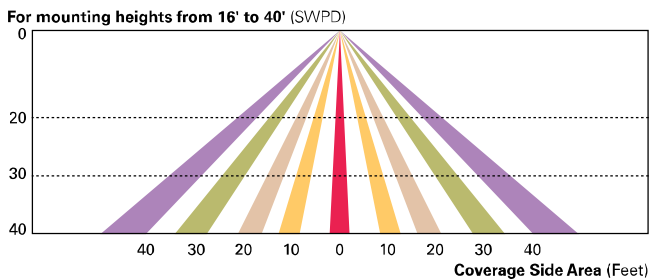
**Dimming Occupancy Sensor (SPB, MS/DIM-LXX and MS-LXX)** These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the luminaire will dim down after five minutes of no activity detected. When activity is detected, the luminaire returns to full light output. When a sensor for ON/OFF operation (MS-LXX) is selected, the luminaire will turn off after five minutes of no activity. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or "daylight harvesting." Factory default is enabled for the MS sensors and disabled for the SPB. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes.



**WaveLinx Wireless Control and Monitoring System** Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

**WaveLinx Outdoor Control Module (WOLC-7P-10A)** A photocontrol that enables astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

**WaveLinx Wireless Sensor (SWPD4 and SWPD5)** These outdoor sensors offer passive infrared (PIR) occupancy sensing and a photocell for closed-loop daylight sensing. These sensors can be factory installed or field-installed via simple, tool-less integration into luminaires equipped with the Zhaga Book 18 compliant 4-PIN receptacle (ZD or ZW). These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected, and the photocell for "dusk-to-dawn" control is default enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.



**LumenSafe (LD)** The LumenSafe integrated network camera is a streamlined, outdoor-ready camera that provides high definition video surveillance. This IP camera solution is optimally designed to integrate into virtually any video management system or security software platform of choice. No additional wiring is needed beyond providing line power to the luminaire. LumenSafe features factory-installed power and networking gear in a variety of networking options allowing security integrators to design the optimal solution for active surveillance.

# Aluminum Poles



## SSA SQUARE STRAIGHT ALUMINUM

TYPE SL1 POLE  
WILDHORSE TOWNHOMES  
LOT 2A-2

TO MATCH ADJACENT POLES

### FEATURES

- Straight square shaft 6005-T6 aluminum alloy polished
- 356-T6 cast aluminum alloy base with aluminum knock-in bolt covers
- 8'-35' mounting heights
- Drilled or tenon (specify)

### DESIGN CONSIDERATIONS - VIBRATIONS AND NON-GROUND MOUNTED INSTALLATIONS

The information contained herein is for general guidance only and is not a replacement for professional judgment. Design considerations for wind-induced vibrations and non-ground mounted installations (e.g., installations on bridges or buildings) are not included in this document. Consult with a professional, and local and federal standards, before ordering to ensure product is appropriate for the intended purpose and installation location. Refer to the Cooper Lighting Solutions Light Pole White Paper for risk factors and design considerations. [Learn more.](#)

**NOTE:** The Limited Warranty for this product specifically excludes fatigue failure or similar damage resulting from vibration, harmonic oscillation or resonance.

Specifications and dimensions subject to change without notice. Consult your lighting representative at Cooper Lighting Solutions or visit [www.cooperlighting.com](http://www.cooperlighting.com) for available options, accessories and ordering information.

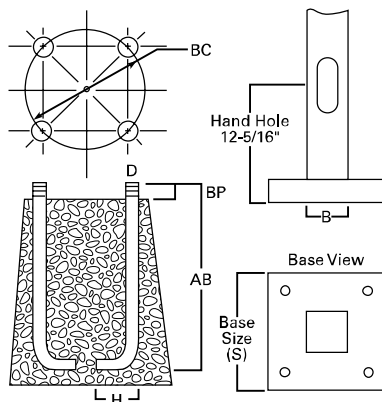
### ORDERING INFORMATION

SAMPLE NUMBER: SSA4T08WXM1G

| Product Family               | Shaft Size (Inches) <sup>1</sup>                       | Wall Thickness (Inches)          | Mounting Height (Feet)  | Base Type  | Finish  | Mounting Type   | Number and Location of Arms  | Options (Add as Suffix)   |
|------------------------------|--|----------------------------------|---|------------|---|---|--|---|
| SSA=Square Straight Aluminum | 4=4"<br>5=5"<br>6=6"<br>9=9" Steel;<br>6=3/4" Aluminum | T=0.125"<br>M=0.188"<br>X=0.250" | 08=8'<br>10=10'<br>12=12'<br>15=15'<br>18=18'<br>20=20'<br>25=25'<br>30=30'<br>35=35' | W=Aluminum | A=Satin Brushed Aluminum<br>B=Clear Anodized<br>C=Dark Bronze Anodized<br>D=Black Anodized<br>E=Medium Bronze Anodized<br>F=Dark Bronze<br>J=Summit White<br>K=Carbon Bronze<br>L=Dark Platinum<br>R=Hartford Green<br>S=Silver<br>T=Graphite Metallic<br>V=Grey<br>W=White<br>X=Custom Color<br>BK=Black Smooth<br>BT=Black Textured | 2=2-3/8" O.D. Tenon (4" Long)<br>3=3-1/2" O.D. Tenon (5" Long)<br>4=4" O.D. Tenon (6" Long)<br>9=3" O.D. Tenon (4" Long)<br>6=2-3/8" O.D. Tenon (6" Long)<br>7=4" O.D. Tenon (10" Long)<br>A=Type A Drilling<br>C=Type C Drilling<br>E=Type E Drilling<br>F=Type F Drilling<br>G=Type G Drilling<br>J=Type J Drilling<br>K=Type K Drilling<br>M=Type M Drilling<br>N=Type N Drilling<br>R=Type R Drilling | 1=Single<br>2=2 at 180°<br>3=Triple <sup>2</sup><br>4=4 at 90°<br>5=2 at 90°<br>X=None | A=1/2" Tapped Hub <sup>3</sup><br>B=3/4" Tapped Hub <sup>3</sup><br>C=Convenience Outlet <sup>4</sup><br>E=GFCI Convenience Outlet <sup>4</sup><br>F=Vibration Pad<br>G=Ground Lug<br>H=Additional Hand Hole <sup>6</sup><br>V=Vibration Dampener |

**NOTES:** 1. All shaft sizes nominal. 2. Square poles are 3 at 90°, round poles are 3 at 120°. 3. Tapped Hub is located 5' below the pole top and on the same side of pole as hand hole, unless specified otherwise. 4. Outlet is located 4' above base and on same side of pole as hand hole, unless specified otherwise. Receptacle not included, provision only. 5. Additional hand hole is located 12" below pole top and 90° from standard hand hole location, unless otherwise specified.

### ANCHORAGE DATA



See technical information.

| Pole     | Anchor Bolt and Template Package | Template Only | Bolt Circle (inches) | Number of Bolts | Anchor Bolt Size (inches) |
|----------|----------------------------------|---------------|----------------------|-----------------|---------------------------|
| SSA4TxxW | 317QB404                         | 229354D       | 9                    | 4               | 3/4 x 17 x 3              |
| SSA4MxxW | 317QB404                         | 229354D       | 9                    | 4               | 3/4 x 17 x 3              |
| SSA5TxxW | 317QB405                         | 229357D       | 11                   | 4               | 3/4 x 17 x 3              |
| SSA5MxxW | 317QB405                         | 229357D       | 11                   | 4               | 3/4 x 17 x 3              |
| SSA6MxxW | 436QB406                         | 229243D       | 12-1/2               | 4               | 1 x 36 x 4                |
| SSA6XxxW | 436QB406                         | 229243D       | 12-1/2               | 4               | 1 x 36 x 4                |
| SSA9XxxW | 436QB468                         | 228520D       | 14-1/4               | 4               | 1 x 36 x 4                |

**Effective Projected Area (At Pole Top)**

| Mounting Height (Feet) | Catalog Number <sup>1,2</sup> | Wall Thickness (Inches) | Base Square <sup>3</sup> (Inches) | Bolt Circle Diameter (Inches) | Anchor Bolt Projection <sup>3</sup> (Inches) | Shaft Size <sup>3</sup> (Inches) | Anchor Bolt Diameter x Length x Hook (Inches) | Net Weight (Pounds) | Maximum Effective Projected Area (Square Feet) <sup>4</sup> |        |        |         | Max. Fixture Load - Includes Bracket (Pounds) |
|------------------------|-------------------------------|-------------------------|-----------------------------------|-------------------------------|--|----------------------------------|---|---------------------|---|--------|--------|---------|---|
|                        |                               |                         |                                   |                               |  |                                  |   |                     | 70 mph  | 80 mph | 90 mph | 100 mph |   |
| MH                     |                               |                         | S                                 | BC                            | BP   | B                                | D x AB x H                                    |                     |   |        |        |         |   |
| 8                      | SSA4T08W                      | 0.125                   | 10                                | 9                             | 3-1/8  | 4                                | 3/4 x 17 x 3                                  | 23                  | 26.6  | 19.9   | 15.2   | 11.9    | 350   |
| 12                     | SSA4T12W                      | 0.125                   | 10                                | 9                             | 3-1/8  | 4                                | 3/4 x 17 x 3                                  | 32                  | 16.0  | 11.5   | 8.5    | 6.3     | 260   |
| 15                     | SSA4T15W                      | 0.125                   | 10                                | 9                             | 3-1/8  | 4                                | 3/4 x 17 x 3                                  | 39                  | 9.1   | 6.2    | 4.2    | 2.8     | 200   |
| 15                     | SSA4M15W                      | 0.188                   | 10                                | 9                             | 3-1/8  | 4                                | 3/4 x 17 x 3                                  | 55                  | 14.8  | 10.6   | 7.7    | 5.6     | 200   |
| 15                     | SSA5T15W                      | 0.125                   | 11-9/16                           | 11                            | 3-1/4  | 5                                | 3/4 x 17 x 3                                  | 52                  | 16.0  | 11.3   | 8.1    | 5.8     | 260   |
| 18                     | SSA4T18W                      | 0.125                   | 10                                | 9                             | 3-1/8  | 4                                | 3/4 x 17 x 3                                  | 46                  | 6.4   | 4.0    | 2.3    | 1.1     | 100   |
| 18                     | SSA4M18W                      | 0.188                   | 10                                | 9                             | 3-1/8  | 4                                | 3/4 x 17 x 3                                  | 66                  | 11.0  | 7.4    | 5.0    | 3.3     | 150   |
| 18                     | SSA5T18W                      | 0.125                   | 11-9/16                           | 11                            | 3-1/4  | 5                                | 3/4 x 17 x 3                                  | 61                  | 11.8  | 7.8    | 5.1    | 3.2     | 150   |
| 18                     | SSA5M18W                      | 0.188                   | 11-9/16                           | 11                            | 3-1/4  | 5                                | 3/4 x 17 x 3                                  | 85                  | 19.2  | 13.5   | 9.6    | 6.8     | 260   |
| 20                     | SSA4M20W                      | 0.188                   | 10                                | 9                             | 3-1/8  | 4                                | 3/4 x 17 x 3                                  | 72                  | 8.8   | 5.6    | 3.5    | 1.9     | 150   |
| 20                     | SSA5T20W                      | 0.125                   | 11-9/16                           | 11                            | 3-1/4  | 5                                | 3/4 x 17 x 3                                  | 66                  | 9.5   | 5.9    | 3.5    | 1.7     | 100   |
| 20                     | SSA5M20W                      | 0.188                   | 11-9/16                           | 11-1/8                        | 3-1/4  | 5                                | 3/4 x 17 x 3                                  | 94                  | 16.4  | 11.2   | 7.6    | 5.0     | 150   |
| 25                     | SSA5M25W                      | 0.188                   | 11-1/2                            | 11                            | 3-1/4  | 5                                | 3/4 x 17 x 3                                  | 115                 | 10.2  | 6.0    | 3.2    | 1.1     | 100   |
| 25                     | SSA6M25W                      | 0.188                   | 12-3/4                            | 12-1/2                        | 4  | 6                                | 1 x 36 x 4                                    | 140                 | 16.6  | 10.6   | 6.5    | 3.5     | 260   |
| 30                     | SSA6X30W                      | 0.250                   | 12-3/4                            | 12-1/2                        | 4  | 6                                | 1 x 36 x 4                                    | 215                 | 14.8  | 9.0    | 5.0    | 2.1     | 260   |
| 30                     | SSA9X30W <sup>5</sup>         | 0.250                   | 15-1/8                            | 14-5/8                        | 4-1/8  | 6-3/4                            | 1 x 36 x 4                                    | 237                 | 21.1  | 13.5   | 8.2    | 4.5     | 260   |
| 35                     | SSA9X35W <sup>5</sup>         | 0.250                   | 15-1/8                            | 14-5/8                        | 4-1/8  | 6-3/4                            | 1 x 36 x 4                                    | 274                 | 14.1  | 7.6    | 3.1    | -       | 150   |

**Effective Projected Area (18" Above Pole Top)**

| Mounting Height (Feet) | Catalog Number <sup>1,2</sup> | Wall Thickness (Inches) | Base Square <sup>3</sup> (Inches) | Bolt Circle Diameter (Inches) | Anchor Bolt Projection <sup>3</sup> (Inches) | Shaft Size <sup>3</sup> (Inches) | Anchor Bolt Diameter x Length x Hook (Inches) | Net Weight (Pounds) | Maximum Effective Projected Area (Square Feet) <sup>4</sup> |        |        |         | Max. Fixture Load - Includes Bracket (Pounds) |
|------------------------|-------------------------------|-------------------------|-----------------------------------|-------------------------------|--|----------------------------------|---|---------------------|---|--------|--------|---------|---|
|                        |                               |                         |                                   |                               |  |                                  |   |                     | 70 mph  | 80 mph | 90 mph | 100 mph |   |
| MH                     |                               |                         | S                                 | BC                            | BP   | B                                | D x AB x H                                    |                     |   |        |        |         |   |
| 8                      | SSA4T08W                      | 0.125                   | 10                                | 9                             | 3-1/8  | 4                                | 3/4 x 17 x 3                                  | 23                  | 22.2  | 16.6   | 12.7   | 10      | 350   |
| 12                     | SSA4T12W                      | 0.125                   | 10                                | 9                             | 3-1/8  | 4                                | 3/4 x 17 x 3                                  | 32                  | 14.1  | 10.1   | 7.4    | 5.5     | 260   |
| 15                     | SSA4T15W                      | 0.125                   | 10                                | 9                             | 3-1/8  | 4                                | 3/4 x 17 x 3                                  | 39                  | 8.2   | 5.6    | 3.8    | 2.5     | 200   |
| 15                     | SSA4M15W                      | 0.188                   | 10                                | 9                             | 3-1/8  | 4                                | 3/4 x 17 x 3                                  | 55                  | 13.4  | 9.6    | 6.9    | 5.1     | 200   |
| 15                     | SSA5T15W                      | 0.125                   | 11-9/16                           | 11                            | 3-1/4  | 5                                | 3/4 x 17 x 3                                  | 52                  | 14.4  | 10.2   | 7.3    | 5.2     | 260   |
| 18                     | SSA4T18W                      | 0.125                   | 10                                | 9                             | 3-1/8  | 4                                | 3/4 x 17 x 3                                  | 46                  | 5.9   | 3.6    | 2.1    | 0.9     | 100   |
| 18                     | SSA4M18W                      | 0.188                   | 10                                | 9                             | 3-1/8  | 4                                | 3/4 x 17 x 3                                  | 66                  | 10.0  | 6.8    | 4.6    | 3.0     | 150   |
| 18                     | SSA5T18W                      | 0.125                   | 11-9/16                           | 11                            | 3-1/4  | 5                                | 3/4 x 17 x 3                                  | 61                  | 10.8  | 7.2    | 4.7    | 2.9     | 150   |
| 18                     | SSA5M18W                      | 0.188                   | 11-9/16                           | 11                            | 3-1/4  | 5                                | 3/4 x 17 x 3                                  | 85                  | 17.6  | 12.4   | 8.8    | 6.2     | 260   |
| 20                     | SSA4M20W                      | 0.188                   | 10                                | 9                             | 3-1/8  | 4                                | 3/4 x 17 x 3                                  | 72                  | 8.1   | 5.2    | 3.2    | 1.7     | 150   |
| 20                     | SSA5T20W                      | 0.125                   | 11-9/16                           | 11                            | 3-1/4  | 5                                | 3/4 x 17 x 3                                  | 66                  | 8.8   | 5.5    | 3.2    | 1.5     | 100   |
| 20                     | SSA5M20W                      | 0.188                   | 11-9/16                           | 11-1/8                        | 3-1/4  | 5                                | 3/4 x 17 x 3                                  | 94                  | 15.2  | 10.3   | 7.0    | 4.7     | 150   |
| 25                     | SSA5M25W                      | 0.188                   | 11-1/2                            | 11                            | 3-1/4  | 5                                | 3/4 x 17 x 3                                  | 115                 | 9.5   | 5.6    | 3.0    | 1.0     | 100   |
| 25                     | SSA6M25W                      | 0.188                   | 12-3/4                            | 12-1/2                        | 4  | 6                                | 1 x 36 x 4                                    | 140                 | 15.6  | 9.9    | 6.1    | 3.3     | 260   |
| 30                     | SSA6X30W                      | 0.250                   | 12-3/4                            | 12-1/2                        | 4  | 6                                | 1 x 36 x 4                                    | 215                 | 14.0  | 8.5    | 4.7    | 2.0     | 260   |
| 30                     | SSA9X30W <sup>5</sup>         | 0.250                   | 15-1/8                            | 14-5/8                        | 4-1/8  | 6-3/4                            | 1 x 36 x 4                                    | 237                 | 20.0  | 12.8   | 7.8    | 4.3     | 260   |
| 35                     | SSA9X35W <sup>5</sup>         | 0.250                   | 15-1/8                            | 14-5/8                        | 4-1/8  | 6-3/4                            | 1 x 36 x 4                                    | 274                 | 13.5  | 7.2    | 2.9    | -       | 150   |

- NOTES:
1. Catalog number includes pole with hardware kit. Anchor bolts not included. Before installing, make sure proper anchor bolts and templates are obtained.
  2. Tenon size or machining for rectangular arms must be specified. Hand hole position relative to drill location.
  3. Shaft size, base square, anchor bolts and projections may vary slightly. All dimensions nominal.
  4. EPAs based on shaft properties with wind normal to flat. EPAs calculated using base wind velocity as indicated plus 30% gust factor.
  5. Factory installed vibration damper.



## VIBRATION

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Vibrations may cause damage to structures, including poles. Vibrations are unpredictable, and there are many factors and variables that can cause damaging vibrations. Many wind conditions exist that can create damaging vibrations to poles and luminaires, such as constant winds between 10-30 mph. Although all pole types can experience vibration, straight square poles seem to be most prone. Vibration dampers and/or a round tapered design may be used to mitigate damage from vibrations, but there is no guarantee damaging vibrations will be prevented. Vibration dampers are not included with this pole but can be ordered separately. Consult with a professional, and local and federal standards, to ensure this pole is appropriate for the intended purpose and installation location. Refer to Cooper Lighting Solutions' Light Pole White Paper for risk factors and design considerations.

## MAINTENANCE

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Perform inspections periodically. A prudent inspection schedule would be: one week after installation, one month after installation, yearly after installation, and following any major wind event. During the inspection, check the poles for cracks. If cracks are detected, remedial action is required. Recheck anchor bolt torques and re-tighten according to the recommended torque values. Check for missing covers and pole caps and replace as necessary. Check the pole for corrosion and deterioration of the finish. Should there be corrosion or deterioration, take remedial action to correct.

**WARNING:** Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to pole white paper WP513001EN for additional support information. Before installing, make sure proper anchor bolts and templates are obtained. The use of unauthorized accessories such as banners, signs, cameras or pennants for which the pole was not designed voids the pole warranty and may result in pole failure causing serious injury or property damage. Information regarding total loading capacity can be supplied upon request. The pole warranty is void unless poles are used and installed as a complete pole and luminaire combination. This warranty specifically excludes failure as the result of a third party act or omission, misuse, unanticipated uses, fatigue failure or similar phenomena resulting from induced vibration, harmonic oscillation or resonance associated with movement of air currents around the product.

Specifications and dimensions subject to change without notice. Consult your lighting representative at Cooper Lighting Solutions or visit [www.cooperlighting.com](http://www.cooperlighting.com) for available options, accessories and ordering information.

**Cooper Lighting Solutions**  
1121 Highway 74 South  
Reedtree City, GA 30269  
P: 770-466-4800  
[www.cooperlighting.com](http://www.cooperlighting.com)

**Canada Sales**  
5925 McLaughlin Road  
Mississauga, Ontario L5R 1B3  
P: 905-501-3000  
F: 905-501-3172

Specifications and  
dimensions subject to  
change without notice.



## DESCRIPTION

The Invue Arbor post top brings architectural style to area/site and pedestrian scale applications. Its dayform appearance brings a desired organic look into the urban environment. WaveStream LED Optics provide a uniform pixelation free image, managing glare while providing high levels of visibility.

## TYPE SL2A HEAD WILDHORSE TOWNHOMES LOT 2A-2

## SPECIFICATION FEATURES

### Construction

Two-piece IP66 rated housing is cast from low copper content corrosion resistant aluminum, maintaining strength and precision to sustain long term dayform appearance. ANSI C136.31 testing compliance prevents damage from installation generated vibration. External hardware and casting seams are minimized to enhance appearance.

### Optics

Specifically designed for pedestrian applications, WaveStream LED optical waveguide technology produces both symmetric NEMA type V and asymmetric NEMA II, III, IV distributions. The waveguide is manufactured from precision injection molded acrylic resulting in a pixelation free optical image for improved glare control and visual comfort. Luminaire efficacy's measure up to 100 lm/w for 4000K (+/- 275K) CCT at 70 CRI (min), optional 3000K CCT at 80 CRI is also available.

### Electrical

LED driver(s) are directly mounted to upper housing thermal pad for optimal thermal performance.

Standard 0-10V dimming drivers and Cooper Lighting Solutions' proprietary surge protection module are designed to withstand 10kV of transient line surge. Drivers operate at 120-277V 50/60Hz with 347V/60Hz or 480V/60Hz operation optional. Suitable for ambient temperature applications as low as -40°C (40°F) to 40°C (104°F). Limited high ambient options allow for 50°C operation.

### Controls

The Arbor LED luminaire control options are designed to be simple and cost-effective ASHRAE and California Title 24 compliant solutions. The ANSI C136.41 compliant NEMA 7-PIN receptacle enables wireless dimming when used with compatible photocontrol. See control options page for more details.

### Mounting

Fitter assembly mounts over 2-3/8" O.D. tenon and is secured via six concealed stainless steel set screws. Design of fitter provides seamless transition to 3" O.D. round pole top. Additional mounting accessories include a single fixture arm mount, twin

fixture arm mount and wall mount arm. Additional pole mount accessories mount to a 3" x 4" long tenon for 4" - 5" O.D. poles tops. For existing 2-3/8" tenons an adapter is shipped standard.

### Finish

Cooper Lighting Solutions ("CLS") utilizes premium ultra-weatherable TGIC based polyester powder coatings that are specifically formulated to withstand extended outdoor exposure. The powders are formulated exclusively for CLS to serve functionally as well as decorative. Good film appearance combined with excellent mechanical an exterior exposure qualities display greater than twice as much gloss retention. RAL and custom color matches available. Finish is compliant with ASTM B117 3000hr salt spray standard. Options to meet Buy American Act requirements.

### Warranty

Five-year warranty.

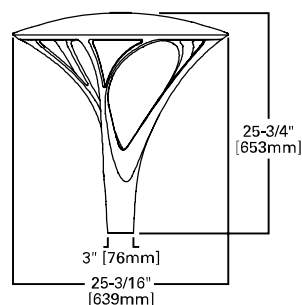


## ARB ARBOR POST TOP

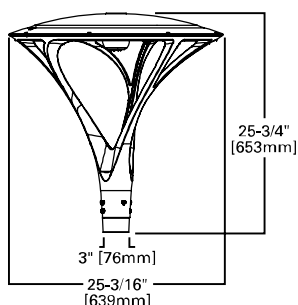
DECORATIVE LUMINAIRE

## DIMENSIONS

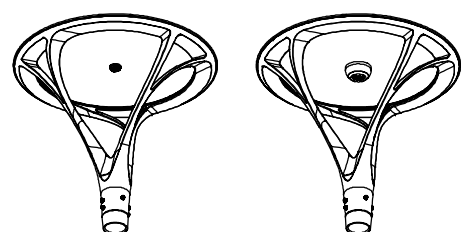
### Pole Mount



### Pole Mount with WaveLinX



### Pole Mount with WaveLinX



### CERTIFICATION DATA

UL/cUL Listed  
IEC 60529 IP66 Housing  
ASTM B117 SaH Spray Tested  
ASTM A3560 Low Cooper Alloy  
ISO 9001  
Dark Sky Approved (3000K CCT and warmer only)  
ANSI C136.31 3G Vibration Tested (Post Top)  
ANSI C136.31 1.5G Vibration Tested (Twin Mount / Accessory Arm Mount)

### ENERGY DATA

**Electronic LED Driver**  
>0.9 Power Factor  
<20% Total Harmonic Distortion  
120-277V 50/60Hz, 347V/60Hz,  
480V/60Hz  
40°C Ambient Temperature Rating  
As low as -40°C (-40°F) minimum temperature  
\*See MINIMUM TEMPERATURE table

### EPA

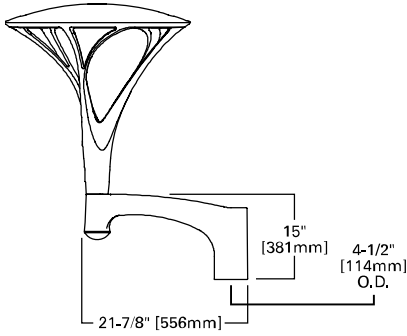
Effective Projected Area: (Sq. Ft.) 0.9

### Approximate Net Weight:

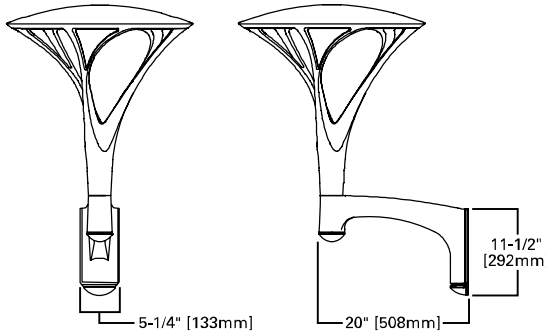
37 lbs. [16.8 kgs.]

**MOUNTING CONFIGURATIONS (WEIGHT AND EPAS INCLUDES FIXTURE)**

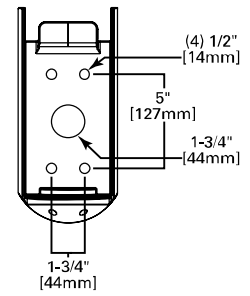
**Single Arm Mount (ARSA-XX)**  
 Weight: 56 lbs. [25.45 kgs.]  
 EPA: 1.7 Sq. Ft.



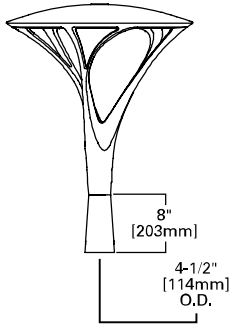
**Wall Mount Arm (ARWM-XX)**  
 Weight: 57 lbs. [25.91 kgs.]  
 EPA: 1.8 Sq. Ft.



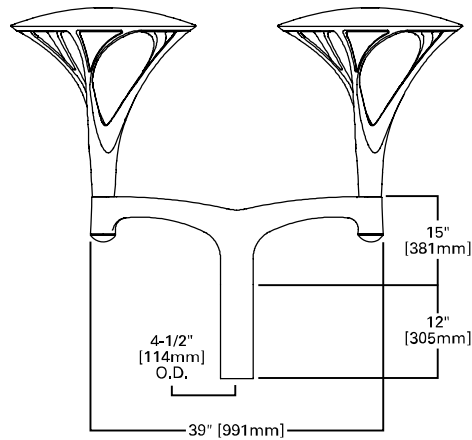
**Wall Mount Arm Drill Pattern**



**Post Top Adapter (ARPA4-XX)**  
 Weight: 41 lbs. [18.63 kgs.]  
 EPA: 1.2 Sq. Ft.



**Twin Arm Mount (ARTA15-XX)**  
 Weight: 114 lbs. [51.81 kgs.]  
 EPA: 3.45 Sq. Ft.

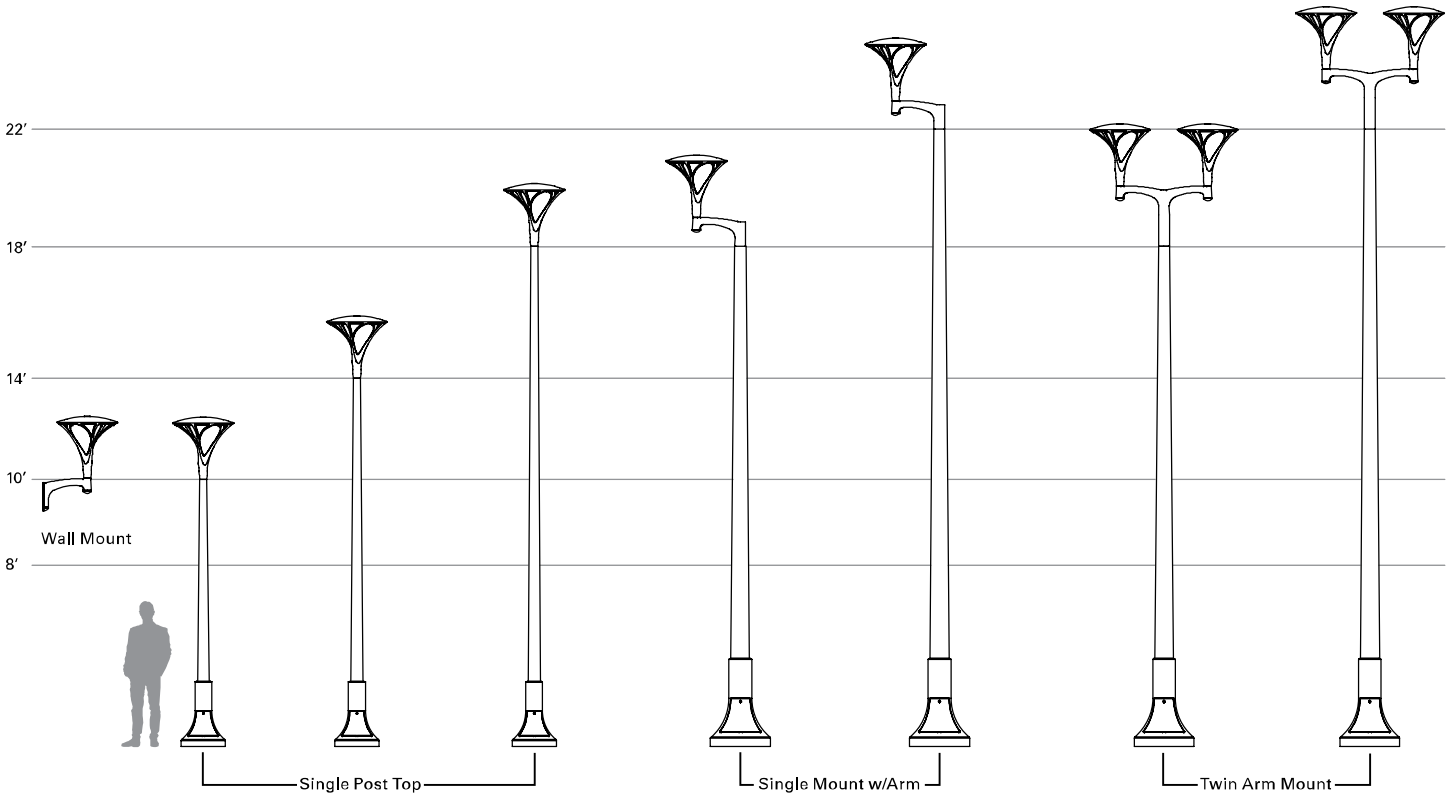


**MOUNTING REQUIREMENTS CHART**

| Tenon O.D. (Inches)    | 2-3/8" Tenon      |   |   |
|------------------------|-------------------|---|---|
| Pole Top O.D. (Inches) | 3"                | 4"  | 5"  |
| Post Top               | Standard          | Spacer (Provided) & ARPA4-XX (Order Separately) | Spacer (Provided) & ARPA4-XX (Order Separately) |
| Single Arm Mount       | Spacer (Provided) | Spacer (Provided)                               | Spacer (Provided)                               |

| Tenon O.D. (Inches)    | 3" Tenon                    |                             |
|------------------------|-----------------------------|-----------------------------|
| Pole Top O.D. (Inches) | 4"                          | 5"                          |
| Post Top               | ARPA4-XX (Order Separately) | ARPA4-XX (Order Separately) |
| Single Arm Mount       | Standard                    | Standard                    |
| Twin Mount             | Standard                    | Standard                    |

**POLE CONFIGURATIONS (ARP DECORATIVE POLE SHOWN)**





**ORDERING INFORMATION**

Sample Number: ARB-B2-LED-D1-T2-GM

| Product Family <sup>1,2</sup>   | Lumens <sup>3</sup>   | Lamp Type                             | Voltage   | Distribution   | Color <sup>7</sup>   |
|---|---|---------------------------------------|---|--|--|
| ARB=Arbor Post Top<br>BAA-ARB=Arbor Post Top Buy American Act Compliant <sup>25</sup>   | B1=Nominal 2,300 Lumens<br>B2=Nominal 4,500 Lumens<br>B3=Nominal 8,500 Lumens<br>B4=Nominal 9,500 Lumens <sup>4</sup> | LED=Solid State Light Emitting Diodes | D1=Dimming Driver (120-277V)<br>347=347V <sup>5</sup><br>480=480V <sup>5, 6</sup>   | T2=Type II<br>T3=Type III<br>T4=Type IV<br>T5=Type V | AP=Grey<br>BZ=Bronze<br>BK=Black<br>DP=Dark Platinum<br>GM=Graphite Metallic<br>WH=White |
| Options (Add as Suffix)   |   |                                       | Accessories (Order Separately) <sup>19,26</sup>   |  |  |
| 7030=70 CRI / 3000K CCT <sup>8</sup><br>7035=70 CRI / 3500K CCT <sup>8</sup><br>8030=80 CRI / 3000K CCT <sup>8</sup><br>8035=80 CRI / 3500K CCT <sup>8</sup><br>AMB=Amber 590nm <sup>11,27</sup><br>20MSP=20kV MOV Surge Protective Device<br>20K=20kV UL 1449 Fused Surge Protective Device<br>PC=Button Type Photocontrol<br>PER=NEMA 3-PIN Twistlock Photocontrol Receptacle<br>PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle<br>HA=50°C High Ambient Temperature <sup>9</sup><br>SPB1=Dimming Occupancy Sensor with Bluetooth Interface, <8' Mounting <sup>23</sup><br>SPB2=Dimming Occupancy Sensor with Bluetooth Interface, 8'-20' Mounting <sup>23</sup><br>SPB4=Dimming Occupancy Sensor with Bluetooth Interface, 21'-40' Mounting <sup>23</sup><br>MS-L08=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height <sup>10,11</sup><br>MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height <sup>10,11</sup><br>MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height <sup>10,11</sup><br>MS/DIM-L08=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height <sup>10,11</sup><br>MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height <sup>10,11</sup><br>MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height <sup>10,11</sup><br>ZD=DALI-enabled 4-PIN Twistlock Receptacle <sup>10,12,13,14,29,30</sup><br>ZW=Wavelinx-enabled 4-PIN Twistlock Receptacle <sup>10,12,13,29,30</sup><br>SWPD4WH=Wavelinx Wireless Sensor, 7' - 15' Mounting Height, White <sup>10,12,13,15,19,29,30</sup><br>SWPD5WH=Wavelinx Wireless Sensor, 15' - 40' Mounting Height, White <sup>10,12,13,15,19,29,30</sup><br>LWR-LW=Enlighted Wireless Sensor, Wide Lens for 8' - 16' Mounting Height <sup>10,16</sup><br>LWR-LN=Enlighted Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height <sup>10,16</sup><br>5LTD=Fifth Light Dali Driver <sup>10,17</sup><br>DIM=0-10V External Dimming Leads <sup>10,18</sup><br>VS=Tempered Glass Vandal Shield<br>CC=Coastal Construction <sup>24</sup><br>SPBL2=FDP-301-L2 (Wattstopper DALI sensor)<br>SPBL4=FDP-301-L7 (Wattstopper DALI sensor)<br>TH=Toolless hardware<br>F=Single Fuse <sup>28</sup> |   |                                       | ARSA-XX=Single Pole Mount Arm <sup>20</sup><br>ARWM-XX=Wall Mount Arm<br>ARTA15-XX=Twin Mount Bracket <sup>21</sup><br>ARPA4-XX=Pole Adapter 4" O.D. Pole<br>FSIR-100=Wireless Configuration Tool for Occupancy Sensor <sup>21</sup><br>SWPD4WH=Wavelinx Wireless Sensor, 7' - 15' Mounting Height, White <sup>13,15,19,29</sup><br>SWPD5WH=Wavelinx Wireless Sensor, 15' - 40' Mounting Height, White <sup>13,15,19,29</sup><br>WOLC-7P-10A=Wavelinx Outdoor Control Module (7-PIN) <sup>10,22</sup> |  |  |

- NOTES:**
- Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional information.
  - Fixture splitts over standard 2-3/8" tenon. 3" O.D. tenon when used with a ARPA4-XX 4" O.D. pole adapter.
  - Standard 4000K CCT, nominal 70CRL.
  - B4 only available with Type V distribution.
  - Requires the use of a step down transformer.
  - Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
  - Custom and RAL color matching available upon request. Consult your lighting representative for more information.
  - Extended lead times apply. Use dedicated IES files when performing layouts.
  - Not available with B3 lumen package in Type II, III, or IV distributions.
  - Controls system is not available with photocontrol (PC), photocontrol receptacle (PER or PER7), or controls systems MS, LWR or DIM.
  - Not available with HA option.
  - Sensor passive infrared (PIR) may be overly sensitive below -20°C (-4°F).
  - For device to be field-configurable, requires WAC Gateway components WAC-POE and WPOE-120 in appropriate quantities. Only compatible with WaveLinX system and software and requires system components to be installed for operation. See website for more WaveLinX application information.
  - Not available on B1 or B4 lumen packages.
  - Requires 4-PIN twistlock receptacle (ZD or ZW) option.
  - Enlighted wireless sensors are factory installed and require network components LWP-EM-1, LWP-GW-1, and LWP-PoE8 in appropriate quantities. See website for application information.
  - Not available in B4 lumen package.
  - Low voltage control leads brought 18" outside fixture.
  - Replace XX with paint color.
  - Fits on 3" O.D. x 4" long tenon for nominal 4-1/2" O.D. pole top.
  - This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
  - Requires 7-PIN NEMA twistlock photocontrol receptacle (PER7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS, ZW, ZD or LWR). Operates on 120-347V input voltages.
  - Smart device with mobile application required to change system defaults. See controls section for details.
  - Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
  - Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to [DOMESTIC PREFERENCES](#) website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
  - Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
  - Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose Lumen Package B1. See IES files for photometric performance.
  - Must specify voltage (120V, 277V, or 347V) to fuse the single hot leg.
  - Not available with 5LTD option.
  - If ZD or ZW only, shorting cap will be installed on 4-pin receptacle.

**POWER AND LUMENS**

| Lumen Package             | B1         | B2       | B3       | B4       |          |
|---------------------------|------------|----------|----------|----------|----------|
| <b>Drive Current</b>      |            |          |          |          |          |
| Power Wattage (Watts)     | 24W        | 48W      | 96W      | 99W      |          |
| Input Current (mA) @ 120V | 200        | 400      | 800      | 830      |          |
| Input Current (mA) @ 208V | 120        | 240      | 470      | 480      |          |
| Input Current (mA) @ 240V | 100        | 200      | 400      | 420      |          |
| Input Current (mA) @ 277V | 90         | 180      | 350      | 360      |          |
| Power Wattage (Watts)     | 26W        | 53W      | 107W     | 108W     |          |
| Input Current (mA) @ 347V | 79         | 161      | 325      | 328      |          |
| Input Current (mA) @ 480V | 58         | 117      | 235      | 237      |          |
| <b>Optics</b>             |            |          |          |          |          |
| <b>Type II</b>            | Lumens     | 2,045    | 3,994    | 7,362    | --       |
|                           | BUG Rating | B1-U0-G1 | B1-U0-G2 | B3-U0-G3 | --       |
| <b>Type III</b>           | Lumens     | 2,324    | 4,534    | 8,451    | --       |
|                           | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G3 | --       |
| <b>Type IV</b>            | Lumens     | 2,408    | 4,691    | 8,740    | --       |
|                           | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G3 | --       |
| <b>Type V</b>             | Lumens     | 2,311    | 4,529    | 8,511    | 9,464    |
|                           | BUG Rating | B2-U0-G1 | B3-U0-G2 | B3-U0-G3 | B3-U0-G3 |

**LUMEN MULTIPLIER**

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

**LUMEN MAINTENANCE**

| Ambient Temperature | TM-21 Lumen Maintenance (60,000 Hours) | Calculated L70 (Hours) |
|---------------------|--|------------------------|
| 25°C                | >91%                                   | >230,000               |
| 40°C                | >88%                                   | >172,000               |
| 50°C                | >86%                                   | >142,000               |

NOTE: Maintenance data applies to the highest drive current and represents the worst case at the highest wattage.

**COLOR TEMPERATURE**

| Color Temperature (CCT) | CRI (Nominal) | Multiplier |
|-------------------------|---------------|------------|
| 4000                    | 70            | 1.00       |
| 3000                    | 80            | 0.91       |

**MINIMUM AMBIENT TEMPERATURE**

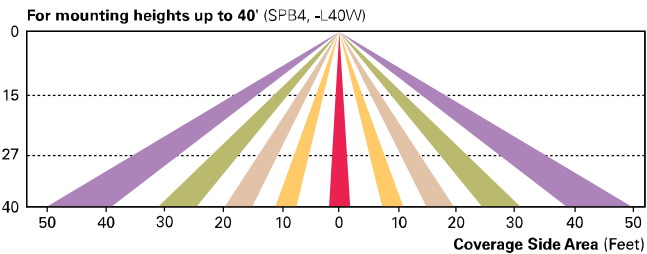
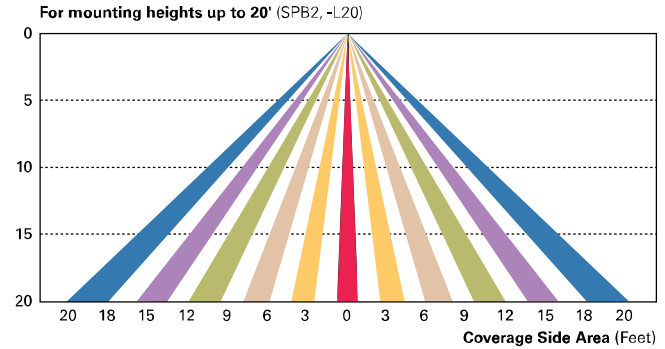
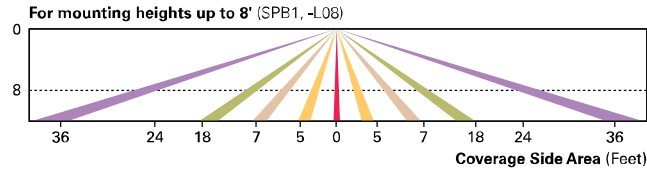
| Lumen Package                   | Temperature |
|---------------------------------|-------------|
| B1                              | -40°C       |
| B2                              | -35°C       |
| B3                              | -35°C       |
| B4                              | -40°C       |
| All DALI powered lumen packages | -20°C       |

**CONTROL OPTIONS**

**0-10V (D)** The dimming option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

**Photocontrol (PER and PER7)** Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

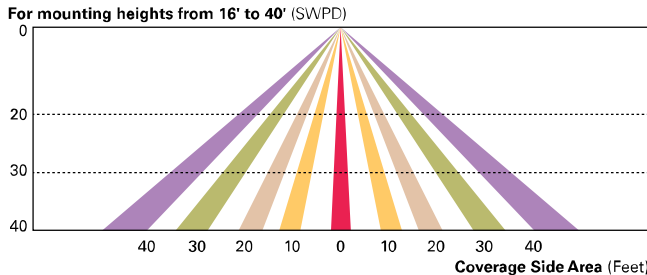
**Dimming Occupancy Sensor (SPB, MS/DIM-LXX and MS-LXX)** These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM occupancy sensors require the FSR-100 programming tool to adjust factory defaults.



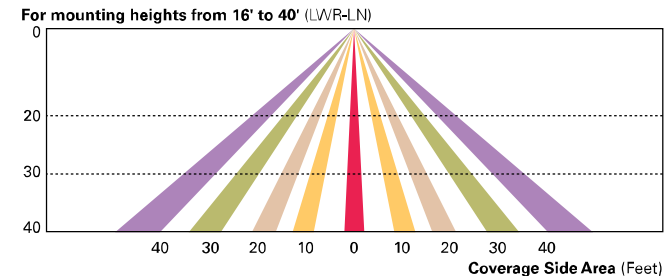
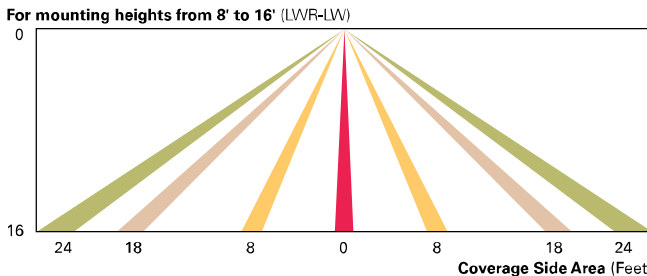
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**Enlighted Wireless Control and Monitoring System (LWR-LW and LWR-LN)** The Enlighted System is a connected lighting solution that combines LED luminaires with an integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of other resources beyond lighting.





## DESCRIPTION

The Invue Arbor post top brings architectural style to area/site and pedestrian scale applications. Its dayform appearance brings a desired organic look into the urban environment. WaveStream LED Optics provide a uniform pixelation free image, managing glare while providing high levels of visibility.

## TYPE SL2B HEAD WILDHORSE TOWNHOMES LOT 2A-2

## SPECIFICATION FEATURES

### Construction

Two-piece IP66 rated housing is cast from low copper content corrosion resistant aluminum, maintaining strength and precision to sustain long term dayform appearance. ANSI C136.31 testing compliance prevents damage from installation generated vibration. External hardware and casting seams are minimized to enhance appearance.

### Optics

Specifically designed for pedestrian applications, WaveStream LED optical waveguide technology produces both symmetric NEMA type V and asymmetric NEMA II, III, IV distributions. The waveguide is manufactured from precision injection molded acrylic resulting in a pixelation free optical image for improved glare control and visual comfort. Luminaire efficacy's measure up to 100 lm/w for 4000K (+/- 275K) CCT at 70 CRI (min), optional 3000K CCT at 80 CRI is also available.

### Electrical

LED driver(s) are directly mounted to upper housing thermal pad for optimal thermal performance.

Standard 0-10V dimming drivers and Cooper Lighting Solutions' proprietary surge protection module are designed to withstand 10kV of transient line surge. Drivers operate at 120-277V 50/60Hz with 347V/60Hz or 480V/60Hz operation optional. Suitable for ambient temperature applications as low as -40°C (40°F) to 40°C (104°F). Limited high ambient options allow for 50°C operation.

### Controls

The Arbor LED luminaire control options are designed to be simple and cost-effective ASHRAE and California Title 24 compliant solutions. The ANSI C136.41 compliant NEMA 7-PIN receptacle enables wireless dimming when used with compatible photocontrol. See control options page for more details.

### Mounting

Fitter assembly mounts over 2-3/8" O.D. tenon and is secured via six concealed stainless steel set screws. Design of fitter provides seamless transition to 3" O.D. round pole top. Additional mounting accessories include a single fixture arm mount, twin

fixture arm mount and wall mount arm. Additional pole mount accessories mount to a 3" x 4" long tenon for 4" - 5" O.D. poles tops. For existing 2-3/8" tenons an adapter is shipped standard.

### Finish

Cooper Lighting Solutions ("CLS") utilizes premium ultra-weatherable TGIC based polyester powder coatings that are specifically formulated to withstand extended outdoor exposure. The powders are formulated exclusively for CLS to serve functionally as well as decorative. Good film appearance combined with excellent mechanical an exterior exposure qualities display greater than twice as much gloss retention. RAL and custom color matches available. Finish is compliant with ASTM B117 3000hr salt spray standard. Options to meet Buy American Act requirements.

### Warranty

Five-year warranty.

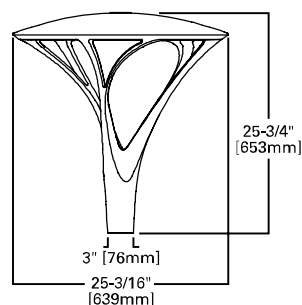


## ARB ARBOR POST TOP

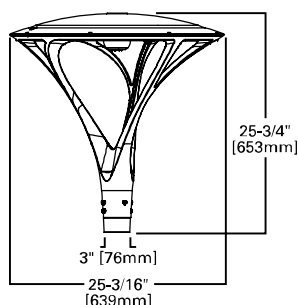
DECORATIVE LUMINAIRE

## DIMENSIONS

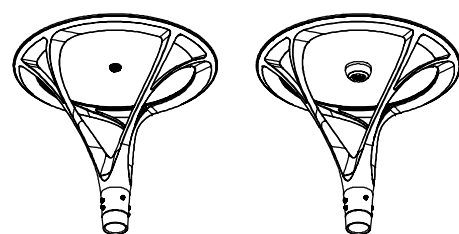
### Pole Mount



### Pole Mount with WaveLinX



### Pole Mount with WaveLinX



### CERTIFICATION DATA

UL/cUL Listed  
IEC 60529 IP66 Housing  
ASTM B117 SaH Spray Tested  
ASTM A3560 Low Cooper Alloy  
ISO 9001  
Dark Sky Approved (3000K CCT and warmer only)  
ANSI C136.31 3G Vibration Tested (Post Top)  
ANSI C136.31 1.5G Vibration Tested (Twin Mount / Accessory Arm Mount)

### ENERGY DATA

**Electronic LED Driver**  
>0.9 Power Factor  
<20% Total Harmonic Distortion  
120-277V 50/60Hz, 347V/60Hz,  
480V/60Hz  
40°C Ambient Temperature Rating  
As low as -40°C (-40°F) minimum temperature  
\*See MINIMUM TEMPERATURE table

### EPA

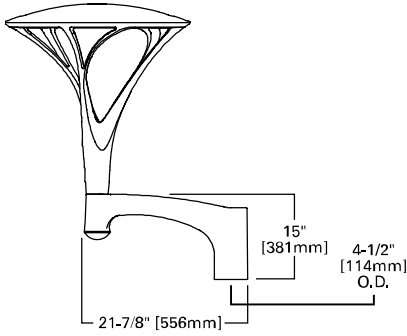
Effective Projected Area: (Sq. Ft.) 0.9

### Approximate Net Weight:

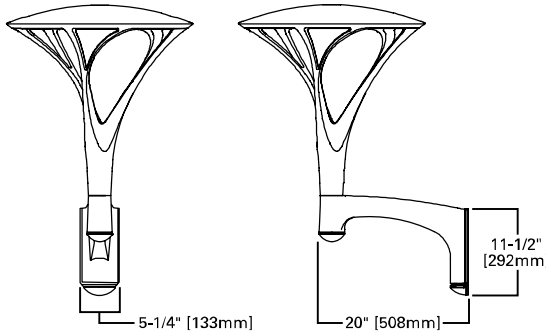
37 lbs. [16.8 kgs.]

**MOUNTING CONFIGURATIONS (WEIGHT AND EPAS INCLUDES FIXTURE)**

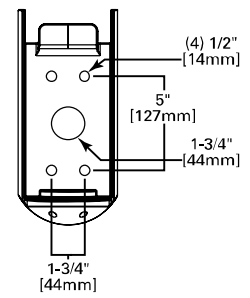
**Single Arm Mount (ARSA-XX)**  
 Weight: 56 lbs. [25.45 kgs.]  
 EPA: 1.7 Sq. Ft.



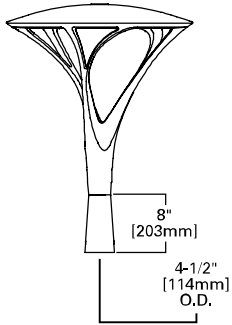
**Wall Mount Arm (ARWM-XX)**  
 Weight: 57 lbs. [25.91 kgs.]  
 EPA: 1.8 Sq. Ft.



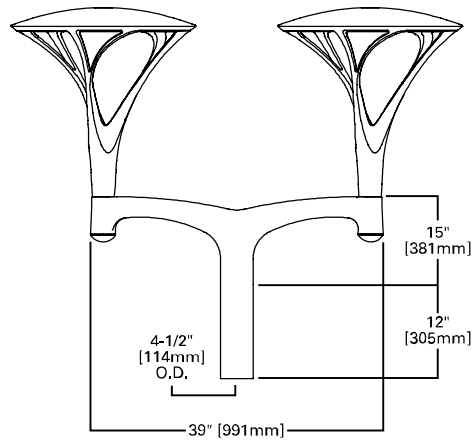
**Wall Mount Arm Drill Pattern**



**Post Top Adapter (ARPA4-XX)**  
 Weight: 41 lbs. [18.63 kgs.]  
 EPA: 1.2 Sq. Ft.



**Twin Arm Mount (ARTA15-XX)**  
 Weight: 114 lbs. [51.81 kgs.]  
 EPA: 3.45 Sq. Ft.

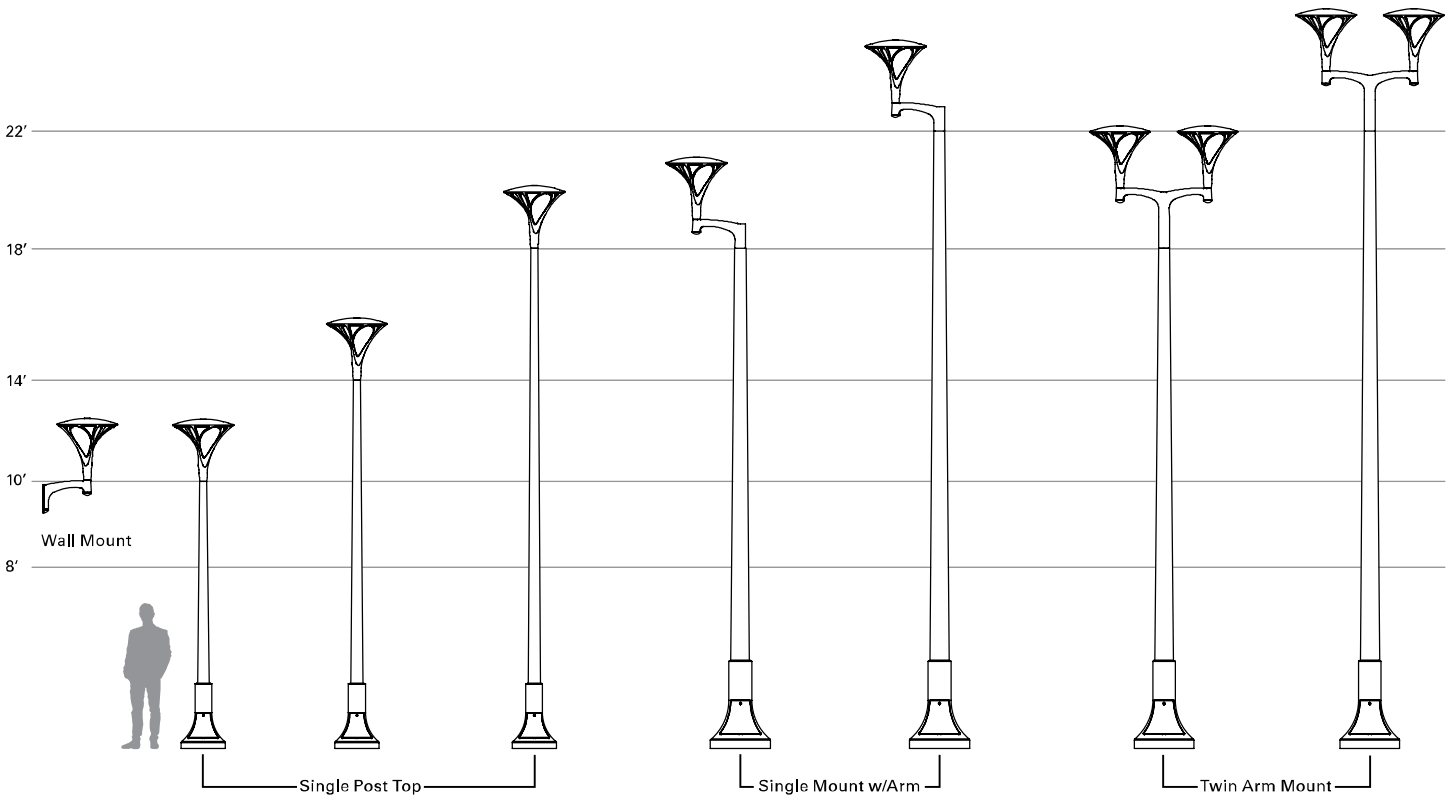


**MOUNTING REQUIREMENTS CHART**

| Tenon O.D. (Inches)    | 2-3/8" Tenon      |   |   |
|------------------------|-------------------|---|---|
| Pole Top O.D. (Inches) | 3"                | 4"  | 5"  |
| Post Top               | Standard          | Spacer (Provided) & ARPA4-XX (Order Separately) | Spacer (Provided) & ARPA4-XX (Order Separately) |
| Single Arm Mount       | Spacer (Provided) | Spacer (Provided)                               | Spacer (Provided)                               |

| Tenon O.D. (Inches)    | 3" Tenon                    |                             |
|------------------------|-----------------------------|-----------------------------|
| Pole Top O.D. (Inches) | 4"                          | 5"                          |
| Post Top               | ARPA4-XX (Order Separately) | ARPA4-XX (Order Separately) |
| Single Arm Mount       | Standard                    | Standard                    |
| Twin Mount             | Standard                    | Standard                    |

**POLE CONFIGURATIONS (ARP DECORATIVE POLE SHOWN)**



**ORDERING INFORMATION**

Sample Number: ARB-B2-LED-D1-T2-GM

| Product Family <sup>1,2</sup>   | Lumens <sup>3</sup>   | Lamp Type                             | Voltage   | Distribution   | Color <sup>7</sup>   |
|---|---|---------------------------------------|---|--|--|
| ARB=Arbor Post Top<br>BAA-ARB=Arbor Post Top Buy American Act Compliant <sup>25</sup>   | B1=Nominal 2,300 Lumens<br>B2=Nominal 4,500 Lumens<br>B3=Nominal 8,500 Lumens<br>B4=Nominal 9,500 Lumens <sup>4</sup> | LED=Solid State Light Emitting Diodes | D1=Dimming Driver (120-277V)<br>347=347V <sup>5</sup><br>480=480V <sup>5, 6</sup>   | T2=Type II<br>T3=Type III<br>T4=Type IV<br>T5=Type V | AP=Grey<br>BZ=Bronze<br>BK=Black<br>DP=Dark Platinum<br>GM=Graphite Metallic<br>WH=White |
| Options (Add as Suffix)   |   |                                       | Accessories (Order Separately) <sup>19,26</sup>   |  |  |
| 7030=70 CRI / 3000K CCT <sup>8</sup><br>7035=70 CRI / 3500K CCT <sup>8</sup><br>8030=80 CRI / 3000K CCT <sup>8</sup><br>8035=80 CRI / 3500K CCT <sup>8</sup><br>AMB=Amber 590nm <sup>11,27</sup><br>20MSP=20kV MOV Surge Protective Device<br>20K=20kV UL 1449 Fused Surge Protective Device<br>PC=Button Type Photocontrol<br>PER=NEMA 3-PIN Twistlock Photocontrol Receptacle<br>PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle<br>HA=50°C High Ambient Temperature <sup>9</sup><br>SPB1=Dimming Occupancy Sensor with Bluetooth Interface, <8' Mounting <sup>23</sup><br>SPB2=Dimming Occupancy Sensor with Bluetooth Interface, 8'-20' Mounting <sup>23</sup><br>SPB4=Dimming Occupancy Sensor with Bluetooth Interface, 21'-40' Mounting <sup>23</sup><br>MS-L08=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height <sup>10,11</sup><br>MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height <sup>10,11</sup><br>MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height <sup>10,11</sup><br>MS/DIM-L08=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height <sup>10,11</sup><br>MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height <sup>10,11</sup><br>MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height <sup>10,11</sup><br>ZD=DALI-enabled 4-PIN Twistlock Receptacle <sup>10,12,13,14,29,30</sup><br>ZW=Wavelinx-enabled 4-PIN Twistlock Receptacle <sup>10,12,13,29,30</sup><br>SWPD4WH=Wavelinx Wireless Sensor, 7' - 15' Mounting Height, White <sup>10,12,13,15,19,29,30</sup><br>SWPD5WH=Wavelinx Wireless Sensor, 15' - 40' Mounting Height, White <sup>10,12,13,15,19,29,30</sup><br>LWR-LW=Enlighted Wireless Sensor, Wide Lens for 8' - 16' Mounting Height <sup>10,16</sup><br>LWR-LN=Enlighted Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height <sup>10,16</sup><br>5LTD=Fifth Light Dali Driver <sup>10,17</sup><br>DIM=0-10V External Dimming Leads <sup>10,18</sup><br>VS=Tempered Glass Vandal Shield<br>CC=Coastal Construction <sup>24</sup><br>SPBL2=FDP-301-L2 (Wattstopper DALI sensor)<br>SPBL4=FDP-301-L7 (Wattstopper DALI sensor)<br>TH=Toolless hardware<br>F=Single Fuse <sup>28</sup> |   |                                       | ARSA-XX=Single Pole Mount Arm <sup>20</sup><br>ARWM-XX=Wall Mount Arm<br>ARTA15-XX=Twin Mount Bracket <sup>21</sup><br>ARPA4-XX=Pole Adapter 4" O.D. Pole<br>FSIR-100=Wireless Configuration Tool for Occupancy Sensor <sup>21</sup><br>SWPD4WH=Wavelinx Wireless Sensor, 7' - 15' Mounting Height, White <sup>13,15,19,29</sup><br>SWPD5WH=Wavelinx Wireless Sensor, 15' - 40' Mounting Height, White <sup>13,15,19,29</sup><br>WOLC-7P-10A=Wavelinx Outdoor Control Module (7-PIN) <sup>10,22</sup> |  |  |

- NOTES:**
- Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional information.
  - Fixture splitts over standard 2-3/8" tenon. 3" O.D. tenon when used with a ARPA4-XX 4" O.D. pole adapter.
  - Standard 4000K CCT, nominal 70CRL.
  - B4 only available with Type V distribution.
  - Requires the use of a step down transformer.
  - Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
  - Custom and RAL color matching available upon request. Consult your lighting representative for more information.
  - Extended lead times apply. Use dedicated IES files when performing layouts.
  - Not available with B3 lumen package in Type II, III, or IV distributions.
  - Controls system is not available with photocontrol (PC), photocontrol receptacle (PER or PER7), or controls systems MS, LWR or DIM.
  - Not available with HA option.
  - Sensor passive infrared (PIR) may be overly sensitive below -20°C (-4°F).
  - For device to be field-configurable, requires WAC Gateway components WAC-POE and WPOE-120 in appropriate quantities. Only compatible with WaveLinX system and software and requires system components to be installed for operation. See website for more WaveLinX application information.
  - Not available on B1 or B4 lumen packages.
  - Requires 4-PIN twistlock receptacle (ZD or ZW) option.
  - Enlighted wireless sensors are factory installed and require network components LWP-EM-1, LWP-GW-1, and LWP-PoE8 in appropriate quantities. See website for application information.
  - Not available in B4 lumen package.
  - Low voltage control leads brought 18" outside fixture.
  - Replace XX with paint color.
  - Fits on 3" O.D. x 4" long tenon for nominal 4-1/2" O.D. pole top.
  - This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
  - Requires 7-PIN NEMA twistlock photocontrol receptacle (PER7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS, ZW, ZD or LWR). Operates on 120-347V input voltages.
  - Smart device with mobile application required to change system defaults. See controls section for details.
  - Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
  - Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to [DOMESTIC PREFERENCES](#) website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
  - Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
  - Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose Lumen Package B1. See IES files for photometric performance.
  - Must specify voltage (120V, 277V, or 347V) to fuse the single hot leg.
  - Not available with 5LTD option.
  - If ZD or ZW only, shorting cap will be installed on 4-pin receptacle.



**POWER AND LUMENS**

| Lumen Package             | B1         | B2       | B3       | B4       |          |
|---------------------------|------------|----------|----------|----------|----------|
| <b>Drive Current</b>      |            |          |          |          |          |
| Power Wattage (Watts)     | 24W        | 48W      | 96W      | 99W      |          |
| Input Current (mA) @ 120V | 200        | 400      | 800      | 830      |          |
| Input Current (mA) @ 208V | 120        | 240      | 470      | 480      |          |
| Input Current (mA) @ 240V | 100        | 200      | 400      | 420      |          |
| Input Current (mA) @ 277V | 90         | 180      | 350      | 360      |          |
| Power Wattage (Watts)     | 26W        | 53W      | 107W     | 108W     |          |
| Input Current (mA) @ 347V | 79         | 161      | 325      | 328      |          |
| Input Current (mA) @ 480V | 58         | 117      | 235      | 237      |          |
| <b>Optics</b>             |            |          |          |          |          |
| Type II                   | Lumens     | 2,045    | 3,994    | 7,362    | --       |
|                           | BUG Rating | B1-U0-G1 | B1-U0-G2 | B3-U0-G3 | --       |
| Type III                  | Lumens     | 2,324    | 4,534    | 8,451    | --       |
|                           | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G3 | --       |
| Type IV                   | Lumens     | 2,408    | 4,691    | 8,740    | --       |
|                           | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G3 | --       |
| Type V                    | Lumens     | 2,311    | 4,529    | 8,511    | 9,464    |
|                           | BUG Rating | B2-U0-G1 | B3-U0-G2 | B3-U0-G3 | B3-U0-G3 |

**LUMEN MULTIPLIER**

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

**LUMEN MAINTENANCE**

| Ambient Temperature | TM-21 Lumen Maintenance (60,000 Hours) | Calculated L70 (Hours) |
|---------------------|--|------------------------|
| 25°C                | >91%                                   | >230,000               |
| 40°C                | >88%                                   | >172,000               |
| 50°C                | >86%                                   | >142,000               |

NOTE: Maintenance data applies to the highest drive current and represents the worst case at the highest wattage.

**COLOR TEMPERATURE**

| Color Temperature (CCT) | CRI (Nominal) | Multiplier |
|-------------------------|---------------|------------|
| 4000                    | 70            | 1.00       |
| 3000                    | 80            | 0.91       |

**MINIMUM AMBIENT TEMPERATURE**

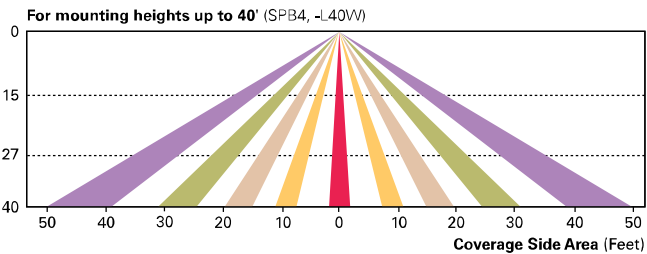
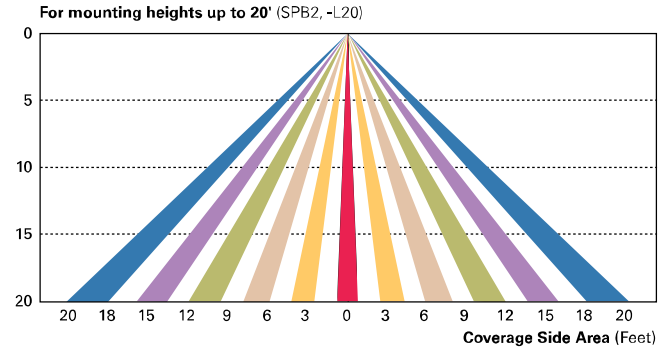
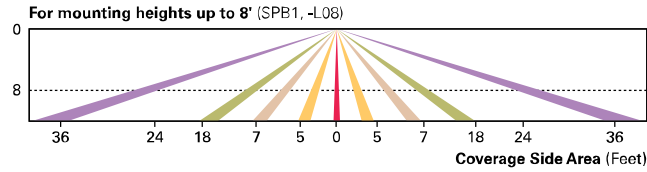
| Lumen Package                   | Temperature |
|---------------------------------|-------------|
| B1                              | -40°C       |
| B2                              | -35°C       |
| B3                              | -35°C       |
| B4                              | -40°C       |
| All DALI powered lumen packages | -20°C       |

**CONTROL OPTIONS**

**0-10V (D)** The dimming option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

**Photocontrol (PER and PER7)** Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

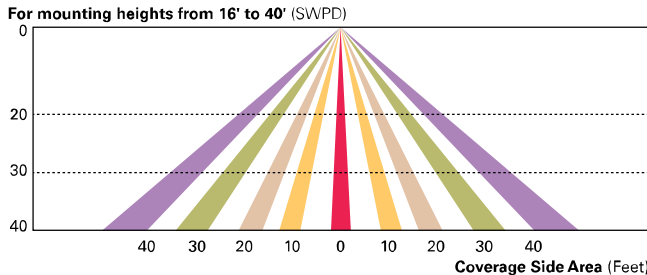
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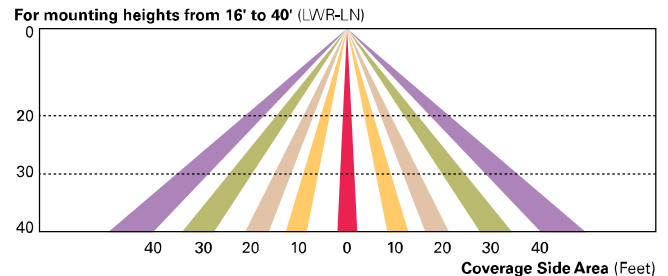
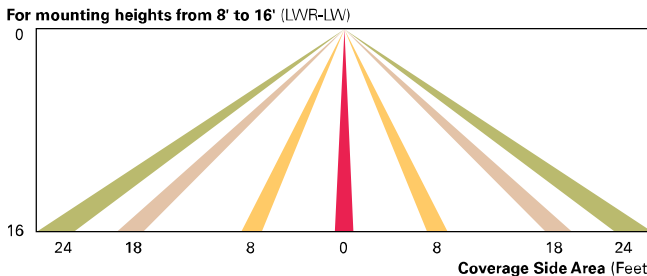
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**ARP ALUMINUM  
ROUND TAPERED  
DECORATIVE**

**TYPE SL2 POLE  
WILDHORSE TOWNHOMES  
LOT 2A-2**

**FEATURES**

- Tapered aluminum shaft spun from seamless 6063 alloy aluminum
- T6 four-bolt anchorage configuration provided
- Anchor bolt per ASTM F1554 Grade 55 with (2) hex nuts, (2) flat washers
- Cast 356 alloy aluminum base with access door
- 10' - 22' mounting heights
- Tenon mount only
- Options to meet Buy American and other domestic preference requirements



**DESIGN CONSIDERATIONS**

Wind induced vibrations resulting from steady, unidirectional winds and other aerodynamic forces, as well as vibration and coefficient of height factors for non-grounded mounted installations (e.g., installations on bridges or buildings) are not included in this document. The information contained herein is for general guidance only and is not a replacement for professional judgement. Consult with a professional, and local and federal standards, before ordering to ensure product is appropriate for the intended purpose and installation location. Also, please review Cooper Lighting Solutions' Light Pole White Paper for risk factors and design considerations. [Learn more.](#)

Specifications and dimensions subject to change without notice. Consult your lighting representative at Cooper Lighting Solutions or visit [www.cooperlighting.com](http://www.cooperlighting.com) for available options, accessories and ordering information.

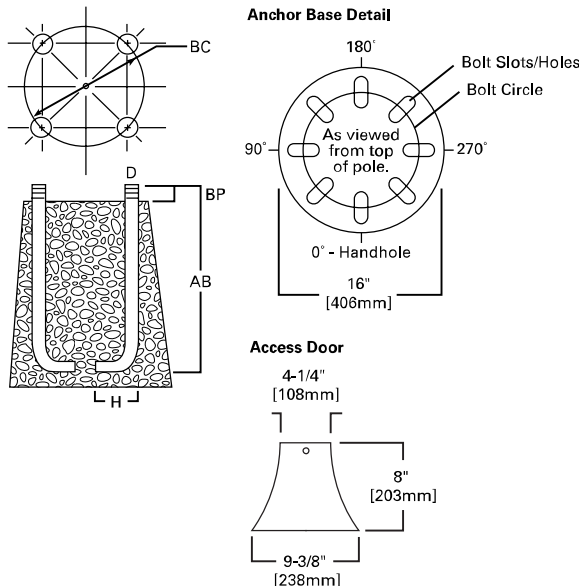
**ORDERING INFORMATION**

**SAMPLE NUMBER:** ARP5L310ABZ2

| Product Family  | Shaft Size (Inches) <sup>1</sup> | Wall Thickness (Inches) | Pole Top Diameter (Inches)  | Mounting Height (Feet)   | Base Type                      | Finish   | Mounting Type  | Number and Location of Arms | Options (Add as Suffix)  |
|---|----------------------------------|-------------------------|---|--|--------------------------------|--|--|-----------------------------|--|
| ARP=Aluminum Round Tapered Decorative   | 5=5"                             | L=0.156"<br>M=0.188"    | 3=3" O.D. <sup>4</sup><br>4=4-1/2" O.D.<br>6=4" O.D. <sup>5</sup> | 10=10'<br>12=12'<br>14=14'<br>16=16'<br>18=18' <sup>2</sup><br>22=22' <sup>2</sup> | A=Aluminum (Round 4-Bolt Pole) | AP=Grey<br>BA=Anodized Bronze<br>BK=Black Smooth<br>BT=Black Texture<br>BZ=Bronze<br>CA=Anodized Clear<br>DA=Anodized Black<br>DP=Dark Platinum<br>GM=Graphite Metallic<br>GN=Hartford Green<br>WH=White | 2=2-3/8" O.D. Tenon (4" Long)<br>5=3" O.D. Tenon (4" Long) | X=None                      | C=Convenience Outlet <sup>3</sup><br>E=GFCI Convenience Outlet <sup>3</sup><br>G=Ground Lug<br>V=Vibration Dampener <sup>2</sup> |
| BAA-ARP=Aluminum Round Tapered Decorative Buy American Act Compliant <sup>6</sup>     |                                  |                         |   |  |                                |  |  |                             |  |
| TAA-ARP=Aluminum Round Tapered Decorative Trade Agreements Act Compliant <sup>6</sup> |                                  |                         |   |  |                                |  |  |                             |  |

**NOTES 1,** All shaft sizes nominal. **2,** Vibration damper recommended over 18 feet add suffix "V" to catalog number. **3,** Specify outlet location. Receptacle not included, provision only. **4,** Provides 3" O.D. pole top suited for Arbor Post Top. **5,** Provides 4" OD pole top suited for LuxeScape post tops. **6,** Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to [DOMESTIC PREFERENCES](#) website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

**ANCHORAGE DATA**



| Pole                                 | Anchor Bolt and Template Package | Shaft Diameter (inches) | Bolt Circle (inches) | Number of Bolts | Bolt Size (inches) | Template Only |
|--------------------------------------|----------------------------------|-------------------------|----------------------|-----------------|--------------------|---------------|
| Aluminum Round Decorative Pole (ARP) | 317AVE30                         | 4 x 5                   | 9                    | 4               | 3/4 x 17           | 407040D       |



**Effective Projected Area (18" Above Pole Top)**

| Mounting Height (Feet) | Catalog Number | Wall Thickness (Inches) | Bolt Circle Diameter (Inches) | Anchor Bolt Projection (Inches) | Shaft Taper (Inches) | Anchor Bolt Diameter x Length x Hook (Inches) | Net Weight (Pounds) | Maximum Effective Projected Area (Square Feet) (1.3 gust factor) |        |         | Max. Load (Pounds) |
|------------------------|----------------|-------------------------|-------------------------------|---------------------------------|----------------------|---|---------------------|--|--------|---------|--------------------|
|                        |                |                         |                               |                                 |                      |   |                     | 80 mph   | 90 mph | 100 mph |                    |
| <b>MH</b>              |                |                         | <b>BC</b>                     | <b>BP</b>                       | <b>B</b>             | <b>AB<sup>1</sup></b>                         |                     |  |        |         |                    |
| 10                     | ARP5L310A      | 0.156                   | 9.0                           | 3.5                             | 5 x 3                | 3/4 x 17 x 3                                  | 57                  | 19.6   | 15.3   | 12.3    | 120                |
| 12                     | ARP5L312A      | 0.156                   | 9.0                           | 3.5                             | 5 x 3                | 3/4 x 17 x 3                                  | 62                  | 16.1   | 12.5   | 9.9     | 120                |
| 14                     | ARP5L314A      | 0.156                   | 9.0                           | 3.5                             | 5 x 3                | 3/4 x 17 x 3                                  | 67                  | 13.2   | 10.1   | 8.0     | 120                |
| 16                     | ARP5L316A      | 0.156                   | 9.0                           | 3.5                             | 5 x 3                | 3/4 x 17 x 3                                  | 72                  | 10.6   | 8.0    | 6.2     | 120                |
| 18                     | ARP5L318A      | 0.156                   | 9.0                           | 3.5                             | 5 x 3                | 3/4 x 17 x 3                                  | 77                  | 8.5  | 6.4    | 4.8     | 120                |
| 18                     | ARP5M418A      | 0.188                   | 9.0                           | 3.5                             | 5 x 4.5              | 3/4 x 17 x 3                                  | 83                  | 10.1   | 7.7    | 6.1     | 150                |
| 22                     | ARP5M422A      | 0.188                   | 9.0                           | 3.5                             | 5 x 4.5              | 3/4 x 17 x 3                                  | 88                  | 6.4  | 4.6    | 3.6     | 150                |

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 P: 770-486-4800  
 www.cooperlighting.com

**Canada Sales**  
 5925 McLaughlin Road  
 Mississauga, Ontario L5R 1B3  
 P: 905-501-3000  
 F: 905-501-3172

Specifications and dimensions subject to change without notice.



TYPE SL3 BOLLARD  
WILDHORSE TOWNHOMES  
LOT 2A-2

DESCRIPTION

The Arbor Bollard from Invue brings architectural style to the pedestrian level. The Arbor Bollard can be used along with Arbor post top luminaires to provide a coordinated look sure to enhance any architectural setting. WaveStream™ LED optics present a pixilation free image replacing visible glare, while providing high levels of pavement illumination.

SPECIFICATION FEATURES

Construction

Top Housing: Low copper, cast aluminum top maintains strength and precision while providing for: rapid heat dissipation, vandal resistance and superior dayform. Lower Housing: Heavy 0.188" wall seamless extruded aluminum 4" O.D. shaft attaches to base via stainless steel fasteners. BASE: Rugged corrosion resistant extruded aluminum base mounts to foundation with three anchor bolts. Base features a pliable 1/2" thick neoprene leveling pad fitted to the bottom of base allows for sealing against water and dirt ingress regardless of minor deviations in grade of concrete pad.

Optics

General purpose symmetric distribution is available using WaveStream LED optical technology. The optical waveguide is manufactured using precision injection molded acrylic for the ultimate level of glare control and visual comfort. Offered standard in 4000K (+/- 275K) CCT, optional 3000K minimum 80 CRI.

Electrical

LED driver(s) are mounted to electrical tray for easy installation

and maintenance for 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. Offered standard with 0-10V dimming driver and Cooper Lighting Solutions' proprietary circuit module designed to withstand 10kV of transient line surge. Luminaire is suitable for ambient temperature applications from -30°C (-22°F) to 40°C (104°F) and IP66 rated against the ingress of dust and water.

Controls

The Arbor Bollard options are designed to be simple and cost-effective ASHRAE and California Title 24 compliant solutions. An integrated dimming and occupancy sensor is a standalone control option available in on/off (MSP) and bi-level dimming (MSP/DIM) operation. An optional handheld remote (ISHH) allows custom programming to suit all needs.

Mounting

Luminaire is mounted to 3 x 1/2" anchor bolts on a 2-3/8" bolt circle to with stand a 600 pound overturn moment. Order anchor bolts and installation template separately (ABAnchor).

Finish

Cooper Lighting Solutions utilizes premium ultra-weatherable TGIC

based polyester powder coatings that are specifically formulated to withstand extended outdoor exposure. The powders are formulated exclusively for Cooper Lighting Solutions to serve functionally as well as decorative. Good film appearance combined with excellent mechanical an exterior exposure qualities display greater than twice as much gloss retention. RAL and custom color matches available. Finish is compliant with ASTM B117 3000hr salt spray standard. Options to meet Buy American Act requirements

Warranty

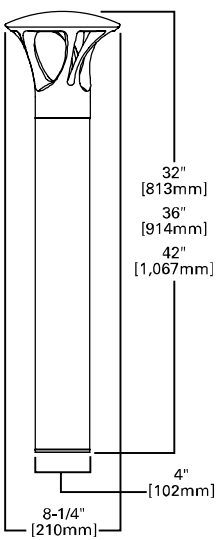
Five-year warranty.



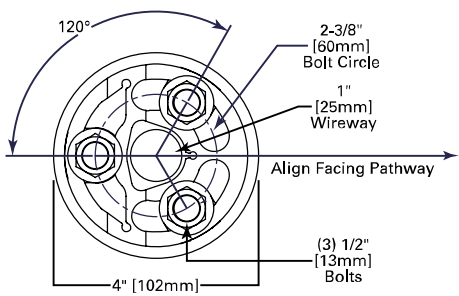
ABB ARBOR BOLLARD

PATHWAY LUMINAIRE

DIMENSIONS



BOLT CIRCLE ORIENTATION



CERTIFICATION DATA



UL/cUL Listed  
IP66 Housing  
ISO 9001  
RoHS  
Dark Sky Approved (3000K CCT and warmer only)

ENERGY DATA

Electronic LED Driver  
>0.9 Power Factor  
<20% Total Harmonic Distortion  
120-277V 50/60Hz  
347V 60Hz, 480V 60Hz  
-30°C Minimum Temperature  
40°C Ambient Temperature Rating

Approximate Net Weight:  
19.25 lbs. [8.75 kgs.]



**POWER AND LUMENS**

| Lumen/Distribution           | B1 Symmetric | B2 Symmetric | B1 Asymmetric | B2 Asymmetric |
|------------------------------|--------------|--------------|---------------|---------------|
| <b>Drive Current</b>         |              |              |               |               |
| <b>Power Wattage (Watts)</b> | 16W          | 32W          | 11W           | 23W           |
| Input Current (mA) @ 120V    | 140          | 270          | 100           | 200           |
| Input Current (mA) @ 208V    | 80           | 160          | 60            | 120           |
| Input Current (mA) @ 240V    | 70           | 140          | 50            | 100           |
| Input Current (mA) @ 277V    | 60           | 120          | 40            | 90            |
| <b>Power Wattage (Watts)</b> | 19W          | 37W          | 13W           | 27W           |
| Input Current (mA) @ 347V    | 60           | 110          | 40            | 80            |
| Input Current (mA) @ 480V    | 180          | 320          | 120           | 240           |
| <b>Optics</b>                |              |              |               |               |
| Lumens                       | 717          | 1,276        | 472           | 848           |
| BUG Rating                   | B1-U0-G1     | B1-U0-G2     | B1-U0-G1      | B1-U0-G2      |

**LUMEN MAINTENANCE**

| Ambient Temperature | TM-21 Lumen Maintenance (60,000 Hours) | Calculated L70 (Hours) |
|---------------------|--|------------------------|
| 25°C                | >94%                                   | >350,000               |
| 40°C                | >93%                                   | >250,000               |
| 50°C                | >90%                                   | >170,000               |

NOTE: Maintenance data applies to the highest drive current and represents the worst case at the highest wattage.

**LUMEN MULTIPLIER**

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

**COLOR TEMPERATURE**

| Color Temperature (CCT) | CRI (Nominal) | Multiplier (Hours) |
|-------------------------|---------------|--------------------|
| 4000                    | 70            | 1.00               |
| 3000                    | 80            | 0.87               |

**ORDERING INFORMATION**

Sample Number: ABB-B2-LED-42-D1-A-GM

| Product Family  | Lumen Output <sup>1</sup>                   | CRI / CCT  | Source | Nominal Height             | Voltage  | Distribution                | Color  |
|---|---|--|--------|----------------------------|--|-----------------------------|--|
| ABB=Arbor Bollard<br>BAA-ABB=Arbor Bollard Buy American Act Compliant <sup>10</sup>   | B1=Mid Lumen Output<br>B2=High Lumen Output | 727=70 CRI / 2700K<br>8030=80 CRI / 3000K CCT <sup>6</sup> | LED    | 30=32"<br>36=36"<br>42=42" | D1=Dimming Driver (120-277V) <sup>2</sup><br>347=347V <sup>3</sup><br>480=480V <sup>3,4</sup>  | A=Asymmetric<br>S=Symmetric | AP=Grey<br>BZ=Bronze<br>BK=Black<br>DP=Dark Platinum<br>GM=Graphite Metallic<br>WH=White<br>CC=Custom Color <sup>5</sup> |
| <b>Options (Add as Suffix)</b>  |   |  |        |                            | <b>Accessories (Order Separately) <sup>11</sup></b>  |                             |  |
| 8030=80 CRI / 3000K CCT <sup>6</sup><br>HA=High Ambient <sup>7</sup><br>MS/DIM-H8=Motion Sensor for Dimming or Bi-Level Operation (Horizontal Detection) <sup>8</sup><br>MS/DIM-2H8=Twin Motion Sensors for 360° Dimming or Bi-Level Operation (Horizontal Detection) <sup>8</sup><br>DIM=0-10V Dimming Driver Leads Brought Out from Fixture |   |  |        |                            | ABAnchor=Anchor Bolt Kit and Template <sup>9</sup><br>ISHH=Wireless Configuration Tool for Integrated Sensor (Occupancy Sensor Settings) |                             |  |

- NOTES:**
- Standard 4000K CCT nominal 70 CRI.
  - Dimming driver standard.
  - Requires the use of a step down transformer.
  - Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
  - RAL and custom color matching available. Consult your lighting representative at Cooper Lighting Solutions for more information.
  - Extended lead times apply. Use dedicated IES files when performing layouts.
  - 50°C ambient rating.
  - The ISHH configuration tool is required to adjust parameters including high and low dimming levels, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information.
  - Contact your customer service representative at Cooper Lighting Solutions for advance shipping.
  - Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to [DOMESTIC PREFERENCES](#) website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
  - Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.