



Tuesday, October 6, 2026 at 4:30 p.m.

Bellevue City Hall, 115 E Pine Street, Bellevue, ID

JOIN TEAMS MEETING:

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Meeting ID: 246 128 985 551 83	
Passcode: Gm7C2WE7	

AGENDA

1. **CALL TO ORDER**
2. **ROLL CALL**
3. **NOTICE OF AGENDA COMPLIANCE** per Idaho Code §74-204– Action Item
 - a. Finding That the special meeting notice and agenda were posted in accordance with Idaho Code §74-204 within twenty-four (24) hours prior to the meeting at: Bellevue City Hall, Post Office, and the City’s website on October 1, 2026. *Suggested Motion: I move that the agenda and notice for the October 6, 2026 meeting was posted in accordance with Idaho Code Section 74-204.*
4. **CALL FOR CONFLICT** (As outlined in Idaho Code 74-404)
5. **PUBLIC COMMENT** (for items of concern not on the Agenda)
6. **CONSENT AGENDA**
 - a. Ratification of September financials – **ACTION ITEM**
 - b. August 26, 2026 Meeting Minutes – **ACTION ITEM**
7. **OLD BUSINESS**
 - a. Project Update: Historic Downtown Alleyway Improvement Planning – Mark Sindell, GGLO – **ACTION ITEM**
 - b. Lighting Study – **ACTION ITEM**
 - c. Project Update: Idaho Heritage Trust Grant – Old City Hall – Steve Trout, Trout Architects – **ACTION ITEM**
8. **Next Meeting Date**
 - a. November 3, 2026
9. **ADJOURNMENT - ACTION ITEM**



ÚNETE A LA REUNIÓN DE TEAMS:

UNIRSE A LA REUNIÓN DE EQUIPOS	https://teams.microsoft.com/meet/24612898555183?p=ID2lpCEIW71n4sGg2b
Únete a la reunión ahora	
ID de la reunión: 246 128 985 551 83	
Código de acceso: Gm7C2WE7	

AGENDA

1. **LLAMADA AL ORDEN**
2. **PASE DE LISTA**
3. **AVISO DE CUMPLIMIENTO DEL ORDEN DEL DÍA** según el Código de Idaho §74-204– Punto de acción
 - b. Conclusión Que el aviso y la agenda de la reunión extraordinaria se publicaron conforme al Código de Idaho §74-204 dentro de las veinticuatro (24) horas previas a la reunión en: Ayuntamiento de Bellevue, Oficina de Correos y la página web de la ciudad el 1 de octubre de 2026. *Moción sugerida: Propongo que la agenda y el aviso para la reunión del 6 de octubre de 2026 se publicaran conforme a la Sección 74-204 del Código de Idaho.*
4. **LLAMADO AL CONFLICTO** (Según lo establecido en el Código de Idaho 74-404)
5. **COMENTARIOS PÚBLICOS** (para asuntos de preocupación que no estén en la agenda)
6. **AGENDA DE CONSENTIMIENTO**
 - a. Ratificación de los estados financieros de septiembre – **PUNTO DE ACCIÓN**
 - b. Acta de la reunión del 26 de agosto de 2026 – **PUNTO DE ACCIÓN**
7. **ASUNTOS ANTIGUOS**
 - a. Actualización del proyecto: Planificación de la mejora de los callejones históricos del centro – Mark Sindell, GGLO – **ACCIÓN**
 - b. Estudio de iluminación – **ELEMENTO DE ACCIÓN**
 - c. Actualización del proyecto: Subvención del Idaho Heritage Trust – Old City Hall – Steve Trout, Trout Architects – **PUNTO DE ACCIÓN**
8. **Fecha de la próxima reunión**
 - a. 3 de noviembre de 2026
9. **SUSPENSIÓN - PUNTO DE ACCIÓN**

4:13 PM

10/01/26

Accrual Basis

Bellevue Urban Renewal Agency
Balance Sheet
 As of September 30, 2026

	<u>Sep 30, 26</u>
ASSETS	
Current Assets	
Checking/Savings	
10003 · LGIP BURA Savings Fund 3594	619,948.24
10002 · DL EVANS X1714	23,650.21
Total Checking/Savings	<u>643,598.45</u>
Total Current Assets	<u>643,598.45</u>
TOTAL ASSETS	<u>643,598.45</u>
LIABILITIES & EQUITY	
Equity	
32000 · Unrestricted Net Assets	604,136.58
Net Income	39,461.87
Total Equity	<u>643,598.45</u>
TOTAL LIABILITIES & EQUITY	<u>643,598.45</u>

4:12 PM

10/01/26

Accrual Basis

Bellevue Urban Renewal Agency
Profit & Loss Budget vs. Actual
October 2025 through August 2026

	Oct '25 - Aug 26	Budget	\$ Over Budget	% of Budget
Income				
41000 · City Property Tax	134,318.48	100,000.00	34,318.48	134.3%
41200 · Personal Property Replacement	0.00	0.00	0.00	0.0%
45100 · Interest Income	20,522.52	0.00	20,522.52	100.0%
Total Income	154,841.00	100,000.00	54,841.00	154.8%
Gross Profit	154,841.00	100,000.00	54,841.00	154.8%
Expense				
OPERATING EXPENSES				
57500 · Repair & Maintenance	1,292.50	1,000.00	292.50	129.3%
56600 · Professional Services	57,562.15	100,000.00	-42,437.85	57.6%
55000 · Legal & Accounting	400.00	500.00	-100.00	80.0%
56500 · Postage, Copies, Mailings	0.00	100.00	-100.00	0.0%
56700 · Advertising & Publishing	444.70	250.00	194.70	177.9%
56800 · Supplies	6,301.86	500.00	5,801.86	1,260.4%
Total OPERATING EXPENSES	66,001.21	102,350.00	-36,348.79	64.5%
CAPITAL OUTLAY EXPENSES				
58100 · Improvement & Construction	48,877.92	100,000.00	-51,122.08	48.9%
Total CAPITAL OUTLAY EXPENSES	48,877.92	100,000.00	-51,122.08	48.9%
Total Expense	114,879.13	202,350.00	-87,470.87	56.8%
Net Income	39,961.87	-102,350.00	142,311.87	-39.0%



Wednesday, August 26, 2026 at 4:30 p.m.

Bellevue City Hall, 115 E Pine Street, Bellevue, ID

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MINUTES

1. CALL TO ORDER

Chair Carreiro called the meeting to order at 4:30 PM.

2. ROLL CALL

Board Member Blacker was absent, All other Board members were present.

3. NOTICE OF AGENDA COMPLIANCE per Idaho Code §74-204– Action Item

- a. Finding That the special meeting notice and agenda were posted in accordance with Idaho Code §74-204 within twenty-four (24) hours prior to the meeting at: Bellevue City Hall, Post Office, and the City’s website on August 25, 2026. *Suggested Motion: I move that the agenda and notice for the August 26, 2026 meeting was posted in accordance with Idaho Code Section 74-204.*

Board Member Kurtz motioned that the agenda and notice for the August 26, 2026 meeting was posted in accordance with Idaho Code Section 74-204, Board Member Shay seconded, all voted in favor, and the motion carried.

4. CALL FOR CONFLICT (As outlined in Idaho Code 74-404)

No Board members identified any conflict.

5. PUBLIC COMMENT (for items of concern not on the Agenda)

No members of the public requested to provide comment.

6. CONSENT AGENDA

- a. Ratification of July financials – **ACTION ITEM**
- b. August 4, 2026 Meeting Minutes – **ACTION ITEM**

Board member Shay motioned to approve the consent agenda, Board Member Kurtz seconded, all voted in favor, and the motion carried.

7. NEW BUSINESS

- a. Professional Service Agreement for CDBG Downtown Grant Application – Michele McFarlane, Frontier Community Resources – **ACTION ITEM**

Mr. Parker and Ms. McFarlane explained the need for the professional assistance for the grant application. The Board asked questions about match requirements, the competitiveness of the grant process. Mr. Parker stated that no match is strictly required, but is factored in the award criteria and that the Board had budgeted \$200,000 for a potential match to the project. Ms. McFarlane discussed the eligible communities, that typically only a handful of cities submit annually, and the process of review and awarding. Board Member Kurtz asked about prior

grants that Frontier had been a part of. Ms. McFarlane⁶ discussed the downtown project in Jerome that was similar and had been awarded. Board Member Kurtz motioned to approve the professional service agreement, Board Member Shay seconded, all voted in favor, and the motion carried.

8. **OLD BUSINESS**

- a. Adoption of Resolution 2026-02 for the Fiscal Year 2027 Budget

Board Member Kurtz motioned to adopt Resolution 2026-02, Board Member Shay seconded, all voted in favor, and the motion carried.

- b. Project Update: Historic Downtown Alleyway Improvement Planning – Mark Sindell, GGLO

Mr. Parker discussed the final draft of the plan and requested that the Board reviewed the document and provide any comments in advance of the next meeting.

- c. Project Update: Idaho Heritage Trust Grant – Old City Hall – Steve Trout, Trout Architects

Mr. Trout discussed the findings of the exploration of the north wall and the structural components inside. Mr. Trout stated that it was going to be approximately \$50,000 for the repairs identified to date. The Board discussed lead paint remediation and potential further surprises. Mr. Trout was going to prepare a more comprehensive cost analysis and phasing for the October meeting.

9. **Next Meeting Date**

- a. October 6, 2026

Chair Carreiro stated that he would be attending virtually, Board Member Shay asked for an update on the recruitment of a new member. Mr. Parker stated that he had been doing informal conversations,

10. **ADJOURNMENT - ACTION ITEM**

Board Member Shay motioned to adjourn the meeting, Board Member Kurtz seconded, all voted in favor, and the meeting was adjourned at 5:08 PM.

John Carreiro
Chair

Brian Parker
Community Development Director



BELLEVUE URBAN RENEWAL AGENCY

HISTORIC DOWNTOWN ALLEYWAY IMPROVEMENT + ACTIVATION PROJECT



BELLEVUE URBAN RENEWAL AGENCY HISTORIC DOWNTOWN ALLEYWAY IMPROVEMENT + ACTIVATION PROJECT

Prepared by:

GGLO

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ACKNOWLEDGMENTS

Thank you to the City staff and other community members who contributed their ideas, insights, and expertise to the thoughtful development of this plan.

City of Bellevue

Brian Parker
Community Development Director

Carter Bullock
Community Development Planner

Casey McGehee
City Assets Manager & Street Superintendent

Bellevue Urban Renewal Agency

John Carreiro
Chair

Diane Shay
Vice Chair

John Kurtz
Commissioner

Ian Blacker
Commissioner

Friends of Howard Preserve

Florence Blanchard
Kristin Fletcher

Wood River Land Trust

Keri York
Ben Majsterek

Local Businesses

Cutthroat Club
Betty's Authentic Peruvian Restaurant
Mahoney's Bar & Grill



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PROJECT INTRODUCTION

The Bellevue Urban Renewal Agency (BURA) has been exploring improvements to Bellevue's Historic Downtown, starting with the half-blocks on the west side of Main Street and the alleyway overlooking the Howard Preserve. The intent of the project was to create a unified, long-term vision for the area that brings together elements of placemaking, economic development, and walkability to the downtown core and surrounding areas.

The planning area included a series of underutilized public rights-of-way and City-owned property between Main Street and the Big Wood River within the original townsite of Bellevue, specifically from Chestnut Street to Spruce Street. These spaces

currently serve a mix of loading, service, emergency access, snow storage, and parking; but have strong potential to become activated public spaces, green corridors, improved parking, or sites for incremental infill development. The western edge of the planning area is bounded by the Howard Preserve, a natural park surrounding the Big Wood River. This offers an opportunity to connect downtown Bellevue, more meaningfully, to its natural assets through trails, habitat features, and public access points. The project has been supported by an interdisciplinary team of planners, landscape architects, and engineers from Idaho-based firms GGLO, Agnew::Beck and Great West.

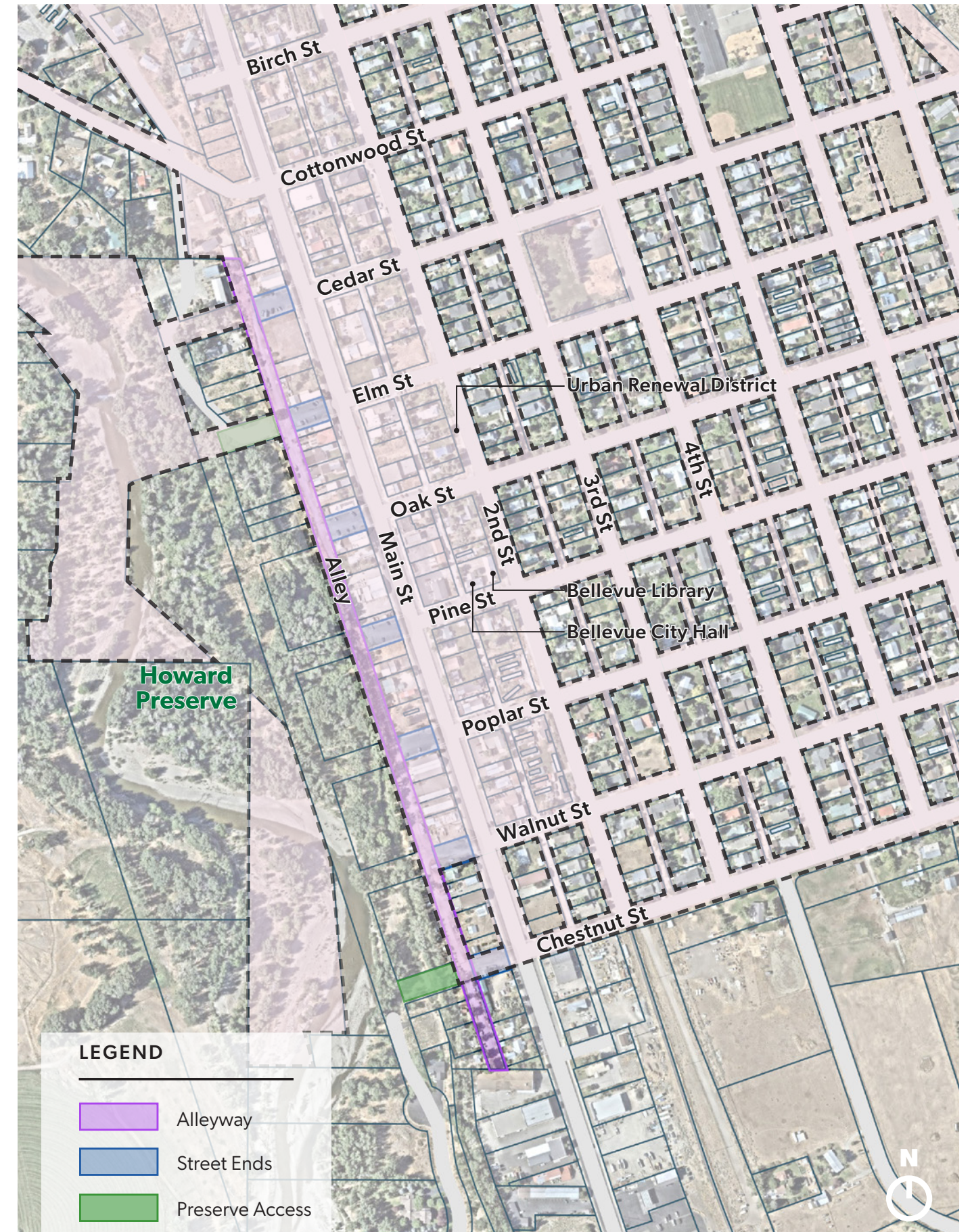
WHAT IS BURA?

The Bellevue Urban Renewal Agency (often called BURA) implements redevelopment projects and programs and helps create needed public improvements within the city's Revenue Allocation Area. Project decisions are made in accordance with the Bellevue Urban Renewal Plan, adopted by City Council in 2006. BURA financing is separate from the city's budget and comes from a combination of annual revenue funds, bond proceeds and other sources.

Previous BURA Projects:

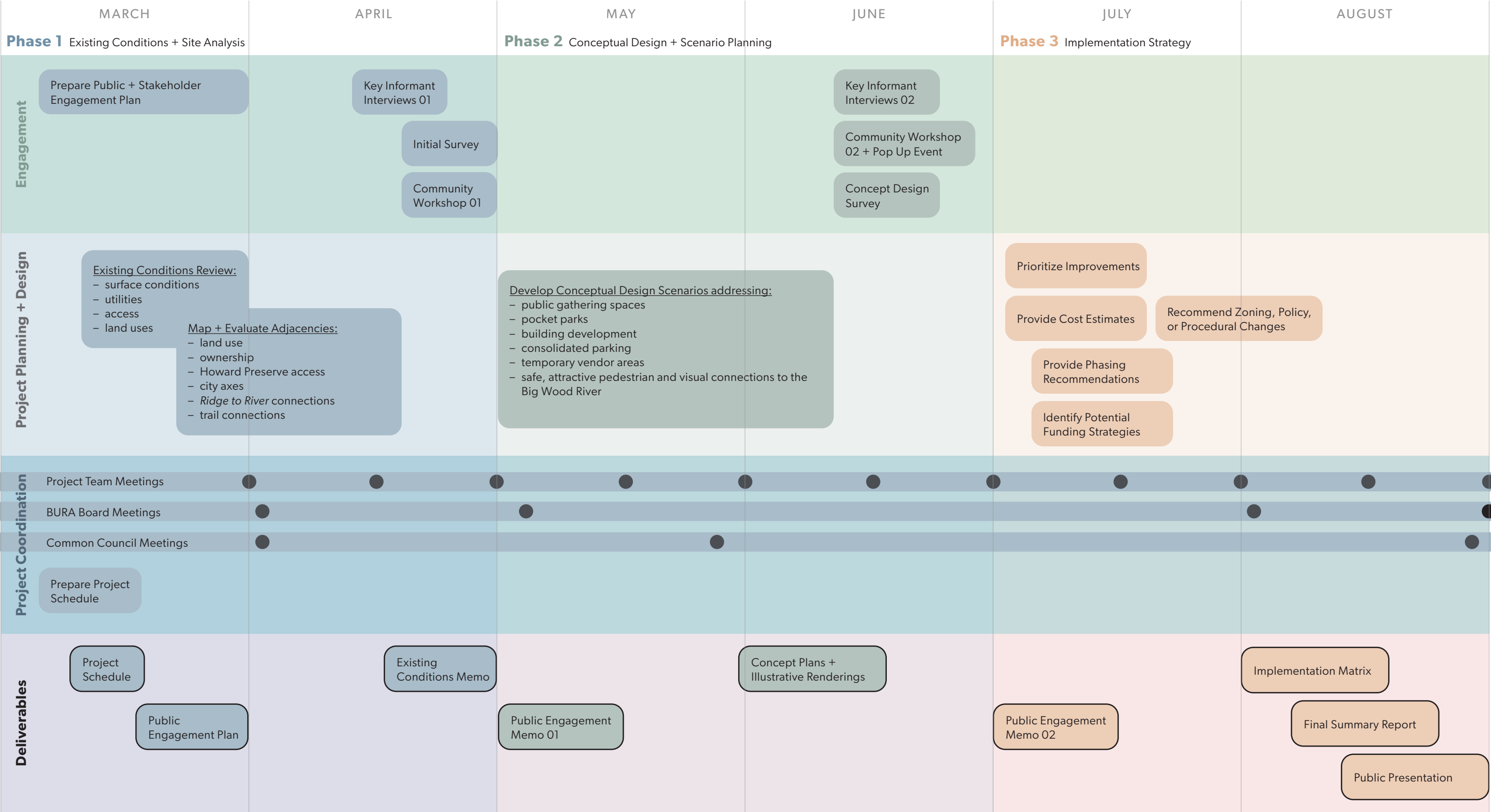
- Lighted pedestrian walkways at Broadford Road and Elm Street
- Concrete flooring and roof over the shelter at Memorial Park
- Concrete flooring for play equipment at O'Donnell and Memorial Park
- Paint striping for Broadford Road after resurfacing
- New utility pole to hang event banners across Main Street
- Two new Mountain Ride Bus shelters on Main Street
- Christmas Decorations for annual tree lighting ceremony
- Picnic tables and benches at Memorial and O'Donnell park
- Pet waste stations at Bellevue parks
- Painting of City Hall
- Sidewalk improvements

PLAN AREA



PROJECT TIMELINE

2026



PROJECT OUTREACH SUMMARIES

The process for the redesign of the Underutilized Rights of Way in Bellevue included consistent and informative communications and meaningful engagement with a wide range of stakeholders and community members. Outlined here are the core audiences and project partners that were included in this process and an overview of the specific engagement methods utilized and the input collected.

Project input was collected from several audiences throughout the process: the core project team, key stakeholders, and the public. The consultant team met regularly with a core team of City Staff, URA representatives, and key technical experts (as needed) to develop the plan and implementation strategies. Key stakeholders were engaged in one-on-one interviews to gather their perspectives on the plan. The public were invited to provide input through two public workshops and two online community surveys, and project information and updates were provided on the City's website.

Particular efforts were made to connect with Bellevue's Hispanic population as this group represents a large percentage of the population and has historically been underrepresented. Promotional workshop and survey materials were translated into Spanish to reduce barriers to participation and outreach was made to local Hispanic-owned businesses.

A keystone of the public engagement process was Community Workshop 02, which was integrated into a pop-up event that included games, food, and music, and temporarily converted the Oak Street end into an active community plaza space.

OUTREACH OVERVIEW (APRIL - AUGUST 2026)

- Public Workshop 01
 - 18 participants
- Community Survey 01
 - 19 respondents
- Public Workshop 02 (Pop-Up Plaza)
 - 100+ participants
- Community Survey 02
 - 5 respondents
- Stakeholder Meetings
 - Wood River Land Trust
 - Friends of Howard Preserve
 - Bellevue Public Works Department
 - Local businesses



PHASE 1 ENGAGEMENT SUMMARY

Who We've Heard From:

Over 40 participants in Phase 1 engagement efforts. Activities included:

- A community open house (18 attendees)
- A community survey (20 responses)
- Interviews and conversations with local businesses, landowners, and community organizations
- BURA Board presentations
- Ongoing coordination with City departments



What were the Oak Street priorities identified in Phase 1?

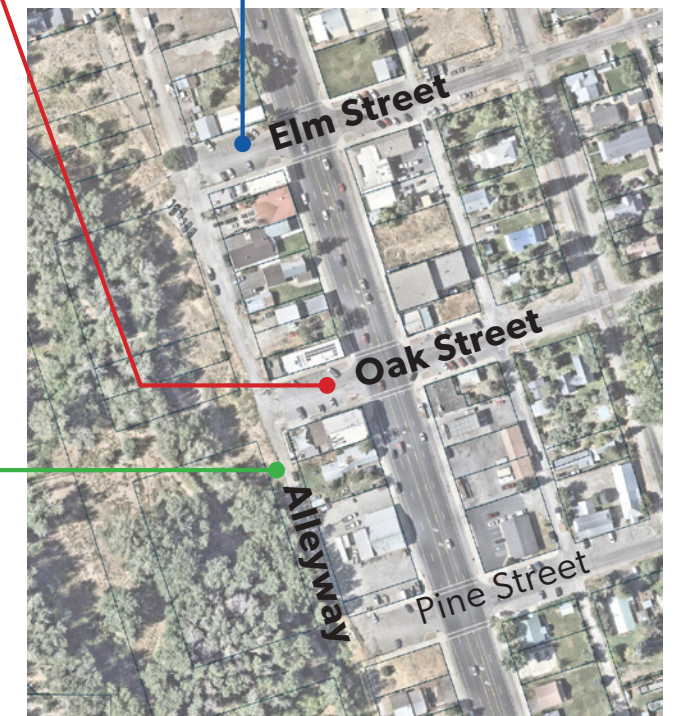
- Landscape Improvements:** Including native flowering plants, shade trees, and greenery.
- Events and Activation:** Space for markets, fairs, live music, pop-ups, and other community events.
- Pedestrian Amenities:** Including improved walkways, benches, lighting, trash receptacles, etc.
- Seasonal Outdoor Dining:** Opportunities to enjoy food and beverages in an outdoor patio setting.

What were the Elm Street priorities identified in Phase 1?

- Landscape Improvements:** Including native flowering plants and water wise landscaping.
- ADA/Universal Access:** Accessibility to Howard Preserve.
- Overlook Area:** Public viewing deck overlooking Howard Preserve.
- Gateway Improvements:** Enhanced entry to Howard Preserve and aesthetic improvements.
- Drainage and Snow Removal:** Improved runoff and snow management through design and grading.

What were the most desired amenities and alleyway improvements?

- Landscape Improvements:** Including native flowering plants, water-wise landscaping and ways to reduce erosion.
- Alleyway Clean Up and Maintenance:** Including reduction of encroachment of personal property into the public right of way.
- Pedestrian and Bicycle Amenities:** Including bike racks, benches, repair stations, etc.
- Lighting and Safety Improvements:** Improvements to overall visibility and ways to reduce conflict between cars and bikes/ pedestrians.
- Historic Interpretive Displays:** Informative and visually appealing installations that help preserve and celebrate Bellevue's rich history and culture.



PHASE 2 ENGAGEMENT SUMMARY

Engagement in this phase aimed to share and collect input on initial concept designs for the street ends at Oak and Elm as well as overall alleyway improvements.

Phase 2 Engagement included:

- A community workshop and two-day pop-up plaza event.
- An online survey.
- Conversations and interviews with businesses, the Wood River Land Trust, and other partners.

Over 100 participants attended the June 18th Pop-Up Plaza and Community Workshop event.



Day 1 (June 18) Public Plaza Demonstration Workshop

- Temporary installation of proposed street end improvements (street trees, revised parking alignments, larger public plaza sidewalk elements, café dining, games, and live music).
- 6 interactive workshop boards that collected feedback on site designs for Elm and Oak Street improvements and alleyway design concepts
- Overall community feedback about the pop-up plaza was positive and people loved seeing increased activity downtown.

Day 2 (June 19) Open Plaza Demonstration and Community Market

- Plaza was open all day with a community market that ran from 4:00-7:00pm
- Local and regional vendors reported a strong day of sales and engagement.



Participant comments

"Please protect the peace and privacy and calm that the Howard Preserve provides for the city. It is precious!"

"Get the junked-out vehicles and construction waste out of alleys"

"Redevelop business organizations to coordinate + police improvements"

"All main street historic buildings need plaques telling their history – ask the museum to do"

"We need sidewalk shade, trees please! For all Bellevue streets"

Which of these goals are most important to you?

Use sticky dots to indicate the four goals that matter most to you.

Clean up and better define alleyway	Support downtown businesses and economy	Create flexible outdoor gathering spaces
17	10	10
Street beautification (landscaping, lighting)	Improve gateway to Howard Preserve and the Wood River	Maintain existing operational uses (loading, deliveries, emergency services, snow removal, parking, drainage)
7	7	2
Improve pedestrian and bike safety, ADA accessibility, and traffic circulation	Be cost-effective and able to be implemented	Other (please specify)
16	16	

PROJECT VISION & GOALS

PROJECT VISION

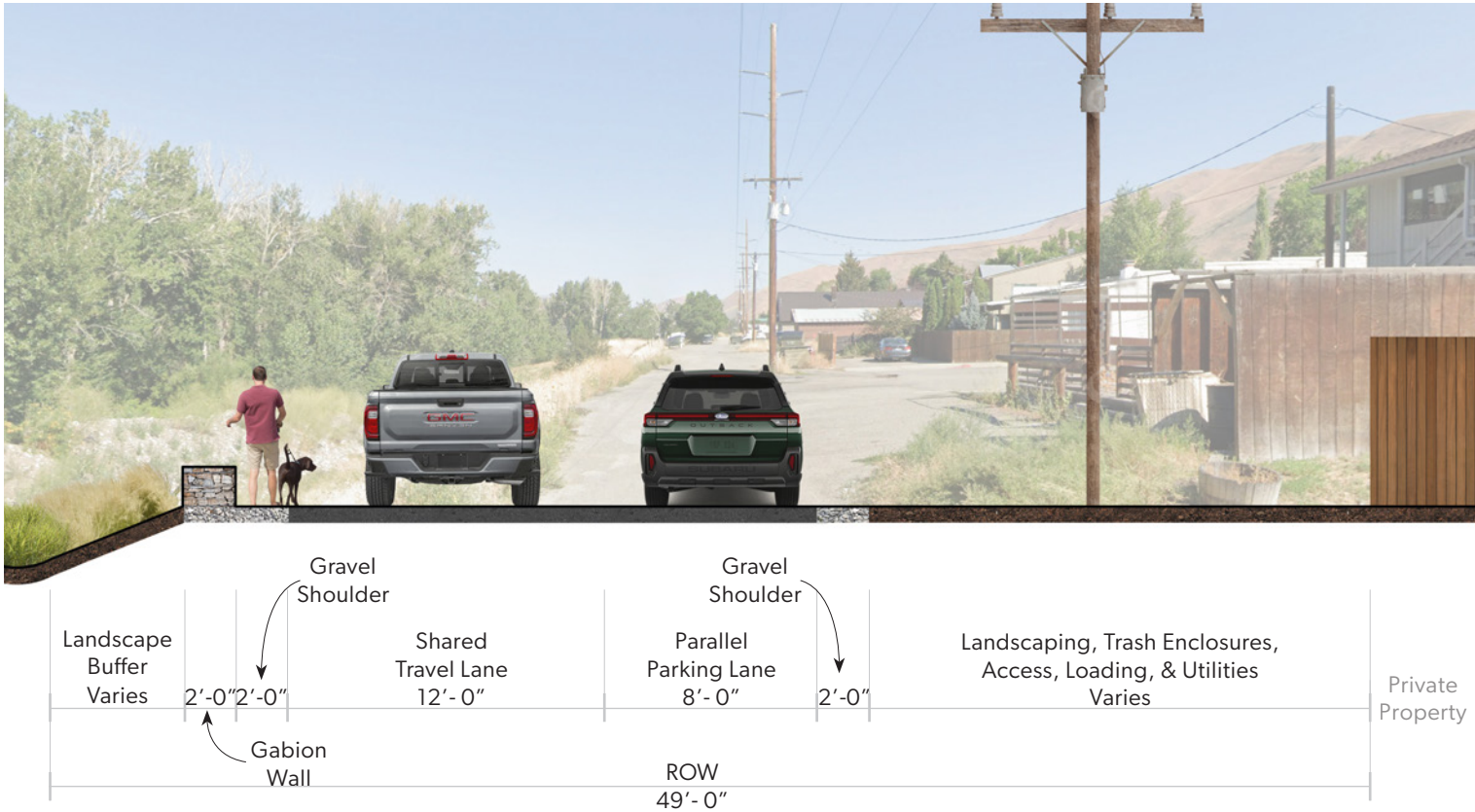
“Celebrate and activate Downtown Bellevue with vibrant community spaces, safer streets, sustainable landscaping, and improved access to a variety of destinations and amenities.”



PROJECT GOALS

1. *Clean up and better define alleyway*
2. *Improve pedestrian and bike safety, ADA accessibility, and traffic circulation*
3. *Be cost-effective and able to be implemented*
4. *Create flexible outdoor gathering spaces*
5. *Support downtown businesses and economy*
6. *Improve gateway to Howard Preserve and the Wood River*
7. *Street beautification (landscaping, lighting)*
8. *Maintain existing operational uses (loading, deliveries, emergency services, snow removal, parking, drainage)*

OVERALL PLAN
PROPOSED ALLEY SECTION



Oak Street Option 1

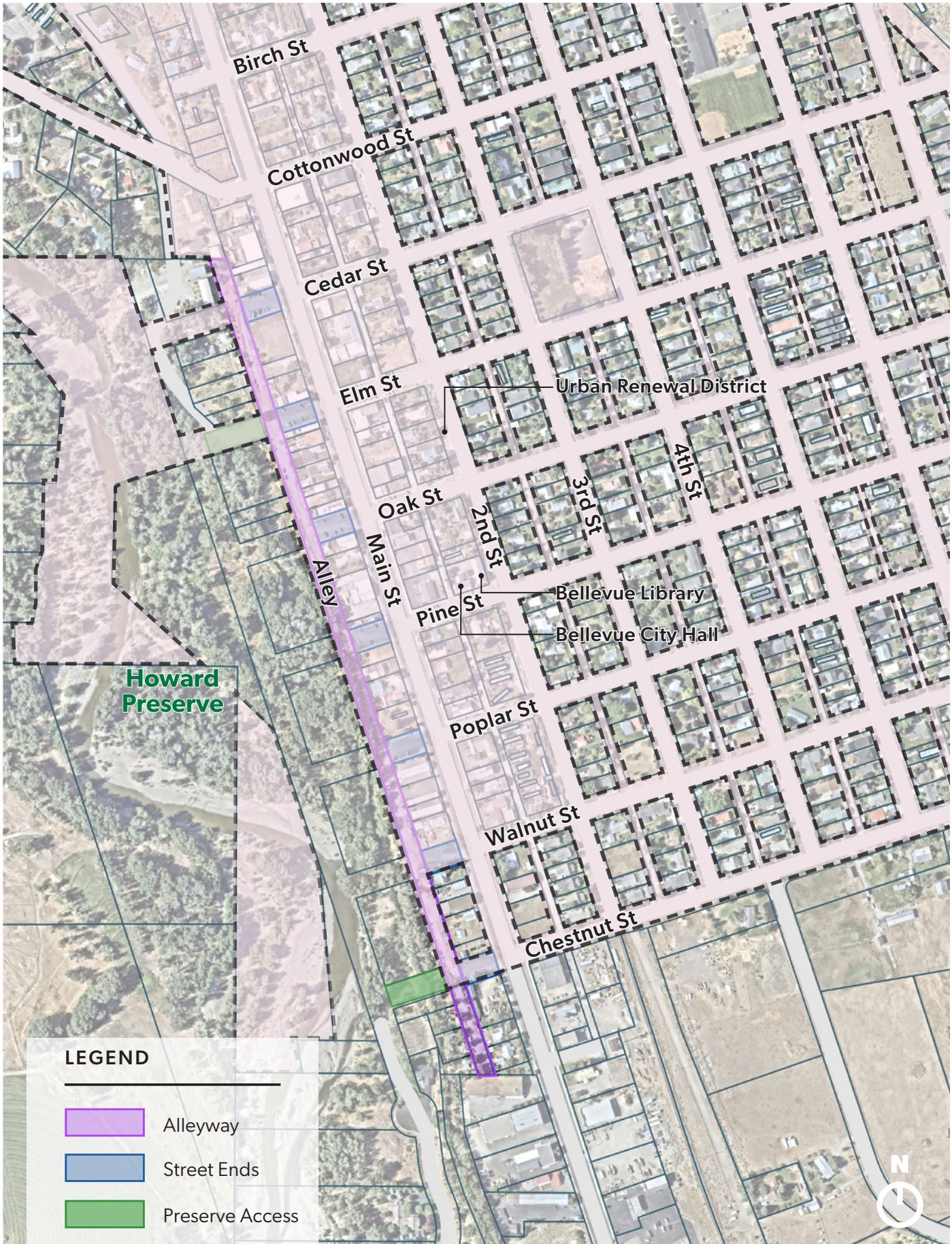


Oak Street Option 2



Elm Street Option

PLAN AREA



ALLEYWAY IMPROVEMENTS

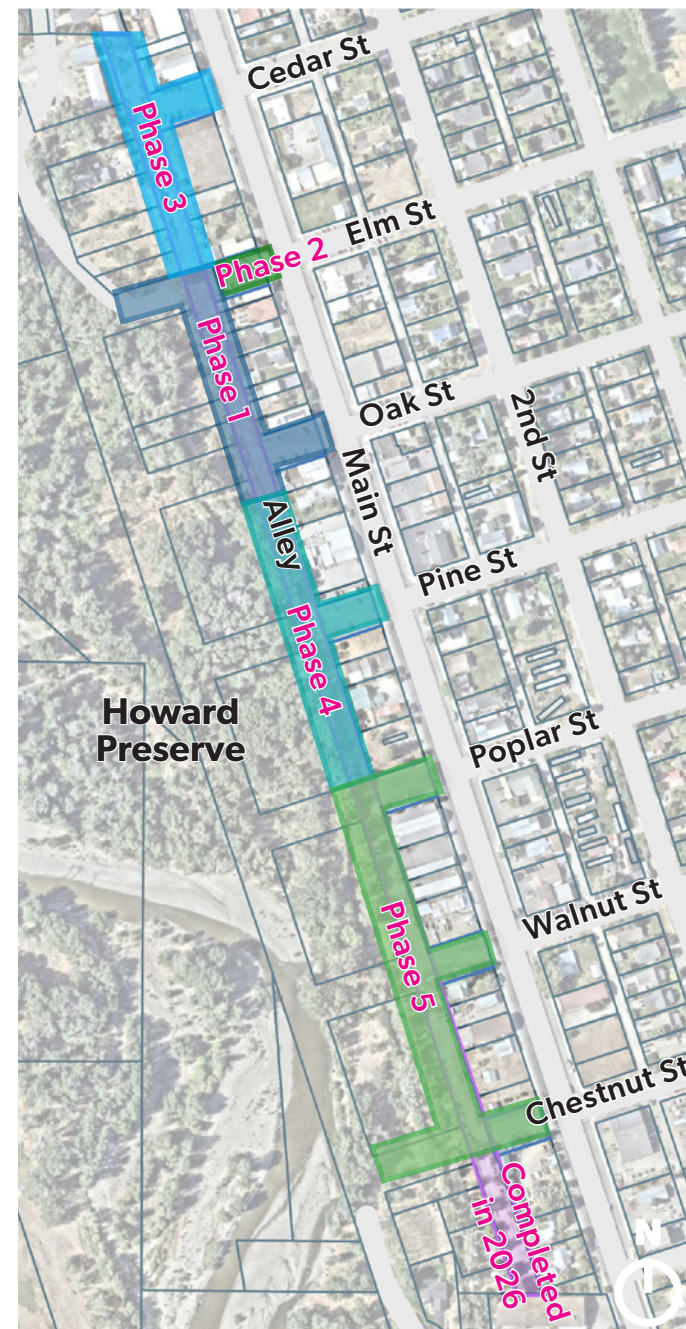
The current alley is unpaved with no lighting, lined by invasive weeds and used for long term vehicle and RV storage with limited code enforcement. Commercial Dumpsters are hap-hazardly distributed throughout, some infringing on the right-of-way. There is currently no designated parking.

The proposed re-imagined alley includes conversion to 1-way allowing for the addition of on-street parallel parking, asphalt pavement and defined edges.

Gabion walls create edge definition on the Howard Preserve side, with native plants for a more attractive edge to the slope and the Preserve. Dumpster enclosures keep commercial dumpsters from migrating into the alley, while dark sky compliant lighting is proposed for safety and wayfinding.

Overall parking goal for the district, with the addition of the alley on-street parking, is no net-loss from 2026 existing condition.

PROPOSED ALLEY PAVING PHASING



Proposed Alley Improvements Oak to Elm



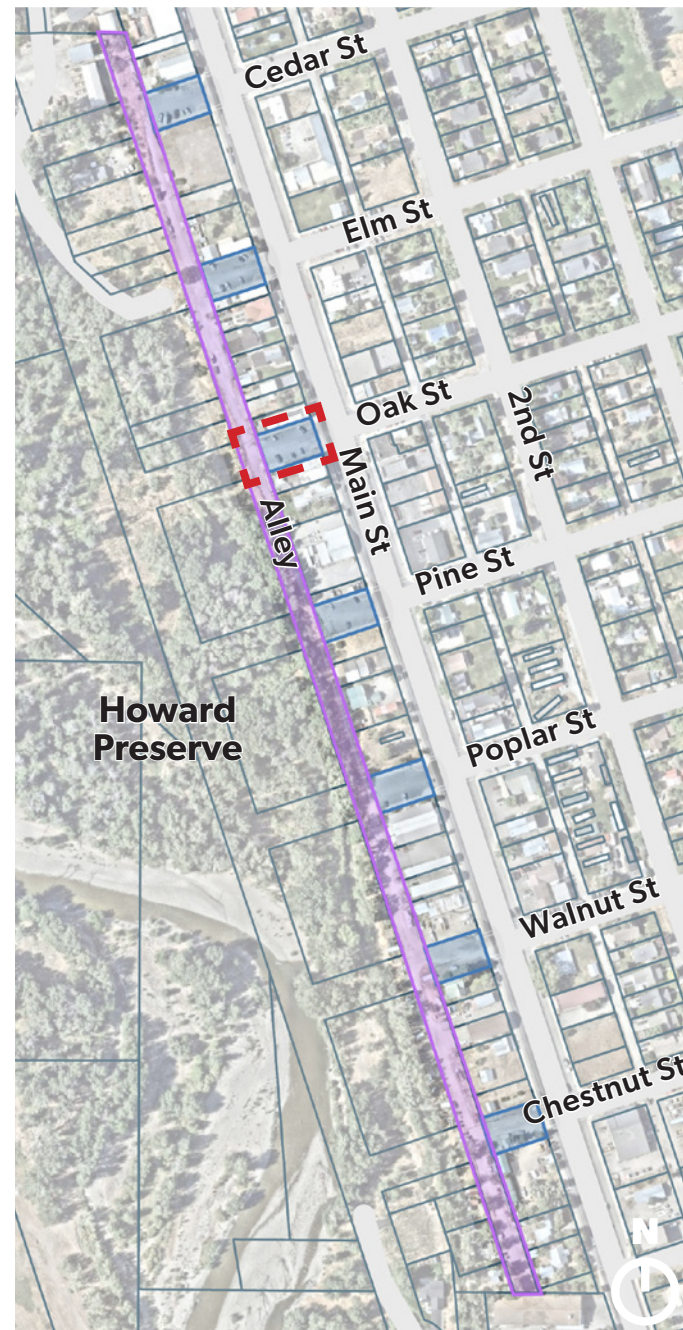
Proposed Alley Improvements Oak to Elm (evening)

OAK STREET END IMPROVEMENTS

Similar to all of the Downtown Street Ends, the Oak Street end is almost singularly auto-centric. It currently lacks ADA compliant curb ramps, proper drainage, street trees for shade, any type of pedestrian amenities, and other than substandard narrow sidewalks, no pedestrian or bike infrastructure. Lighting is minimal, with aging, barely functional street lights at the corners lacking proper light distribution for safe crossings.

The proposed street end upgrades would preserve functionality for vehicular access and parking during business use while adding pedestrian amenities and safety features. Additionally, the upgraded configuration creates a 'festival' street able to be closed down for community events – farmer's and pop-up markets, live music, etc – during weekends and/or evenings.

During the winter the street ends are left open and unobstructed for snow plowing and storage at the far side of the alley.



Midweek Use



Summer Market Event



Spring and Fall Evening Use

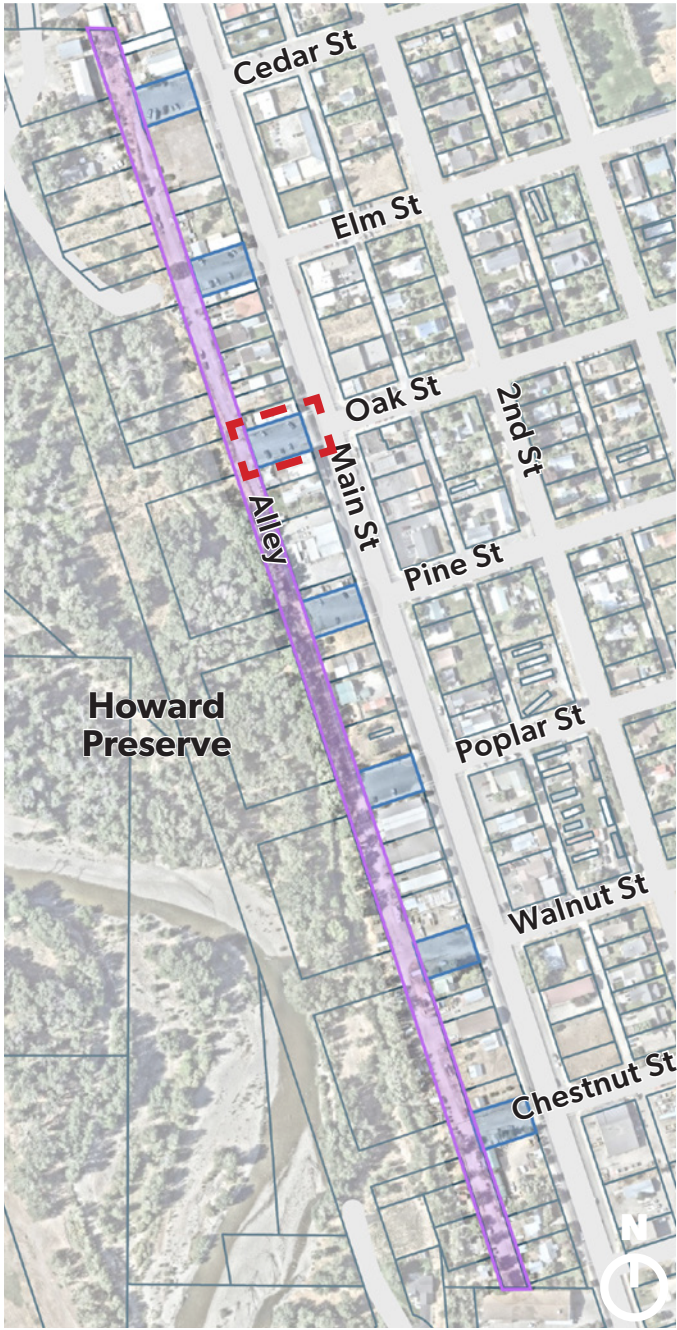


Summer Dining Event

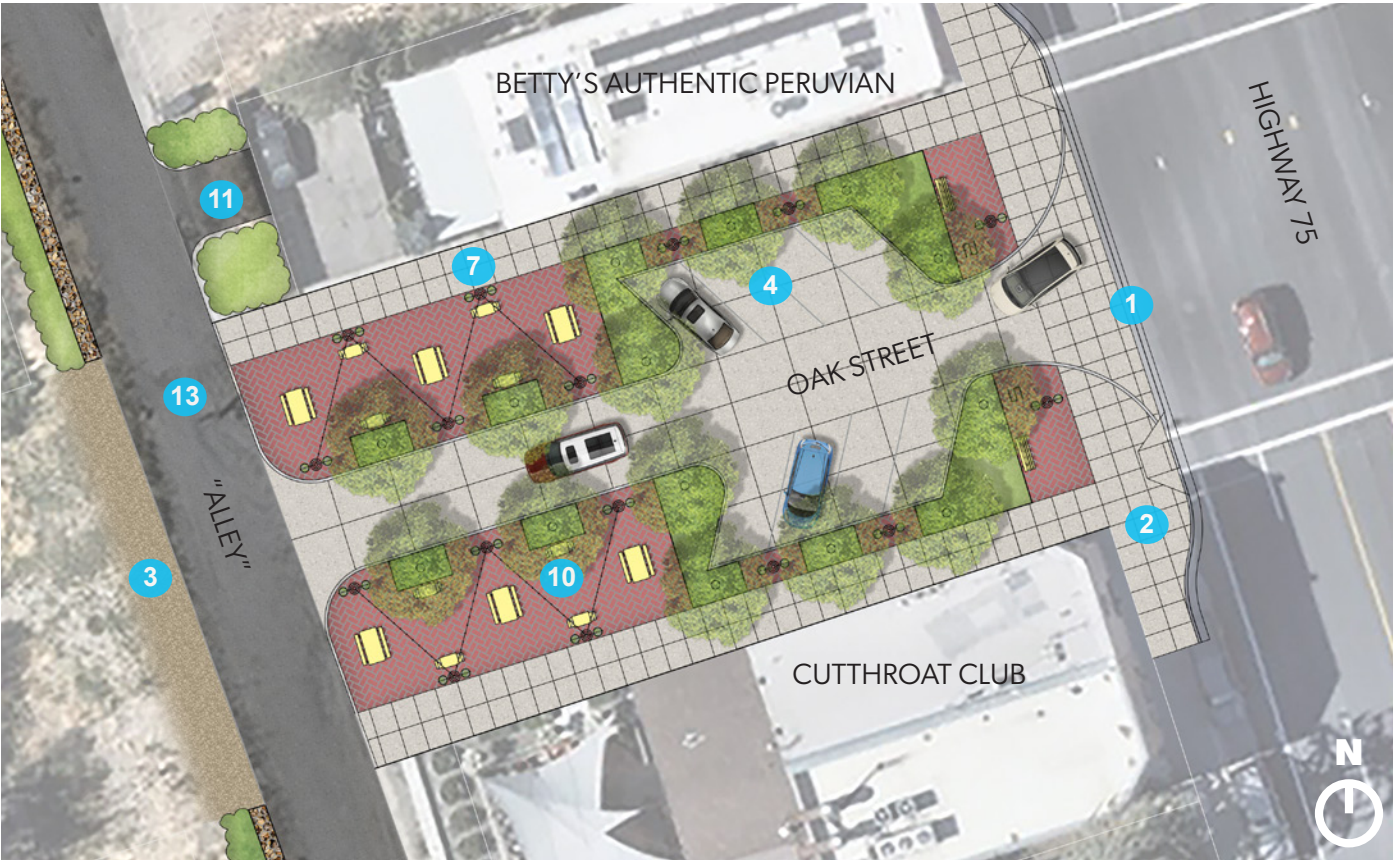


Winter Condition

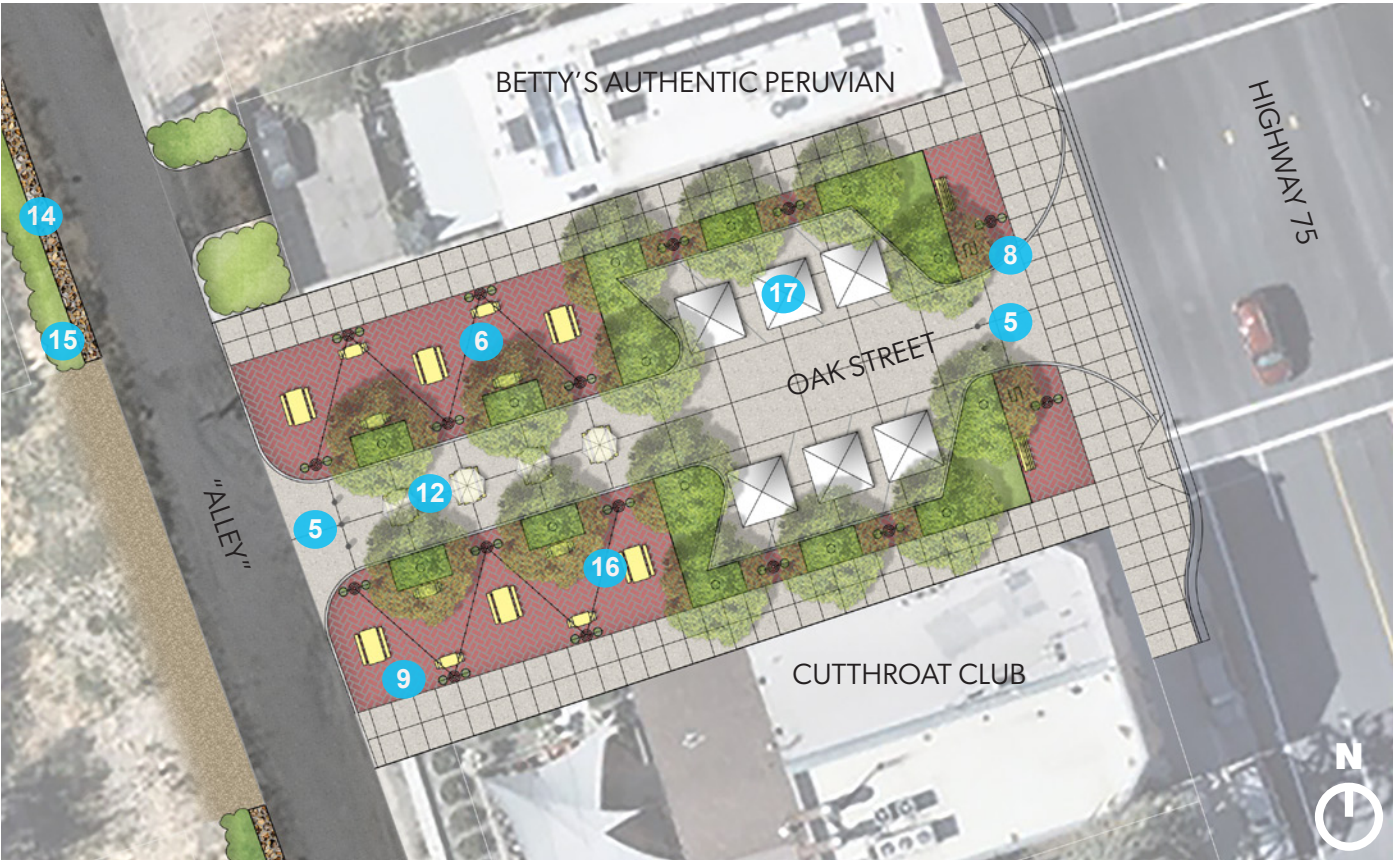
OAK STREET SCHEME 1: PARTY IN THE BACK



- LEGEND
- 1. Rolled Curb
 - 2. New Concrete Paving
 - 3. Gravel Drive for Snow Storage
 - 4. Angled Parking, 8 Stalls
 - 5. Removable Bollards
 - 6. Seating, Bistro Tables and Chairs, Picnic Tables
 - 7. Pedestrian Scale Lighting with Hanging Baskets
 - 8. Bicycle Rack
 - 9. Concrete Pavers
 - 10. Small Flowering Trees in Planter Beds
 - 11. New Driveway
 - 12. Additional Seating
 - 13. New Asphalt Paving
 - 14. Gabion wall, 36" High
 - 15. New Native Planting
 - 16. Overhead Catenary Lighting
 - 17. Market Canopies

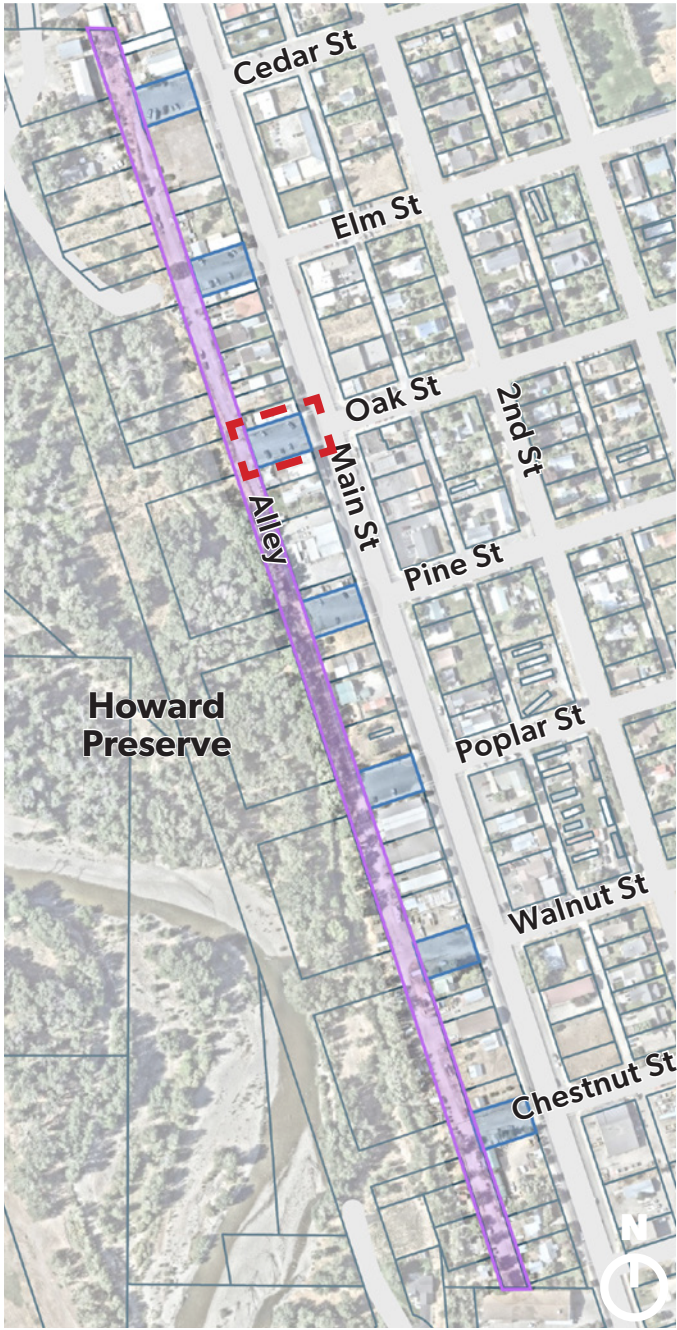


Everyday Configuration



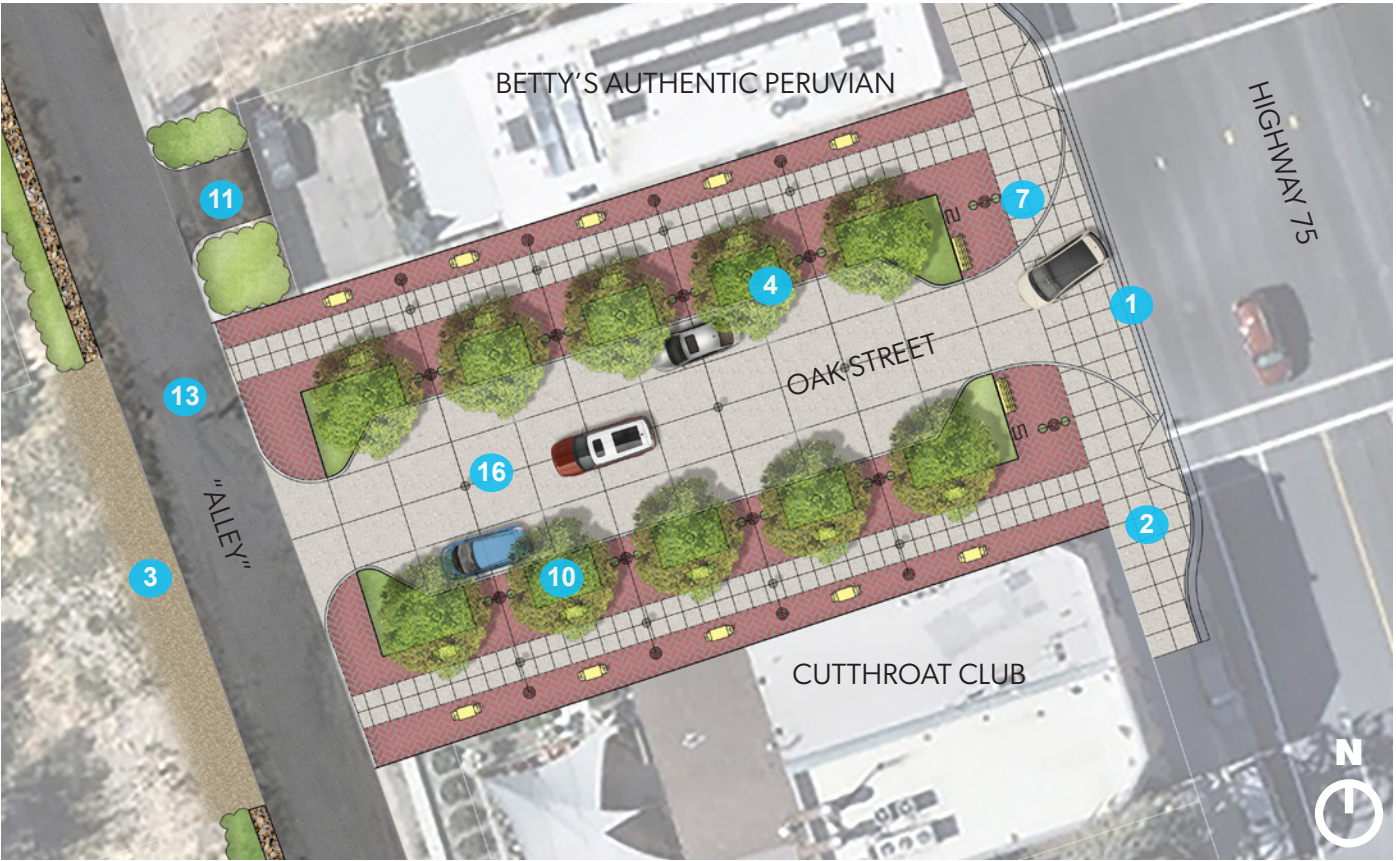
Festival Configuration

OAK STREET SCHEME 2: PARTY ON THE SIDES

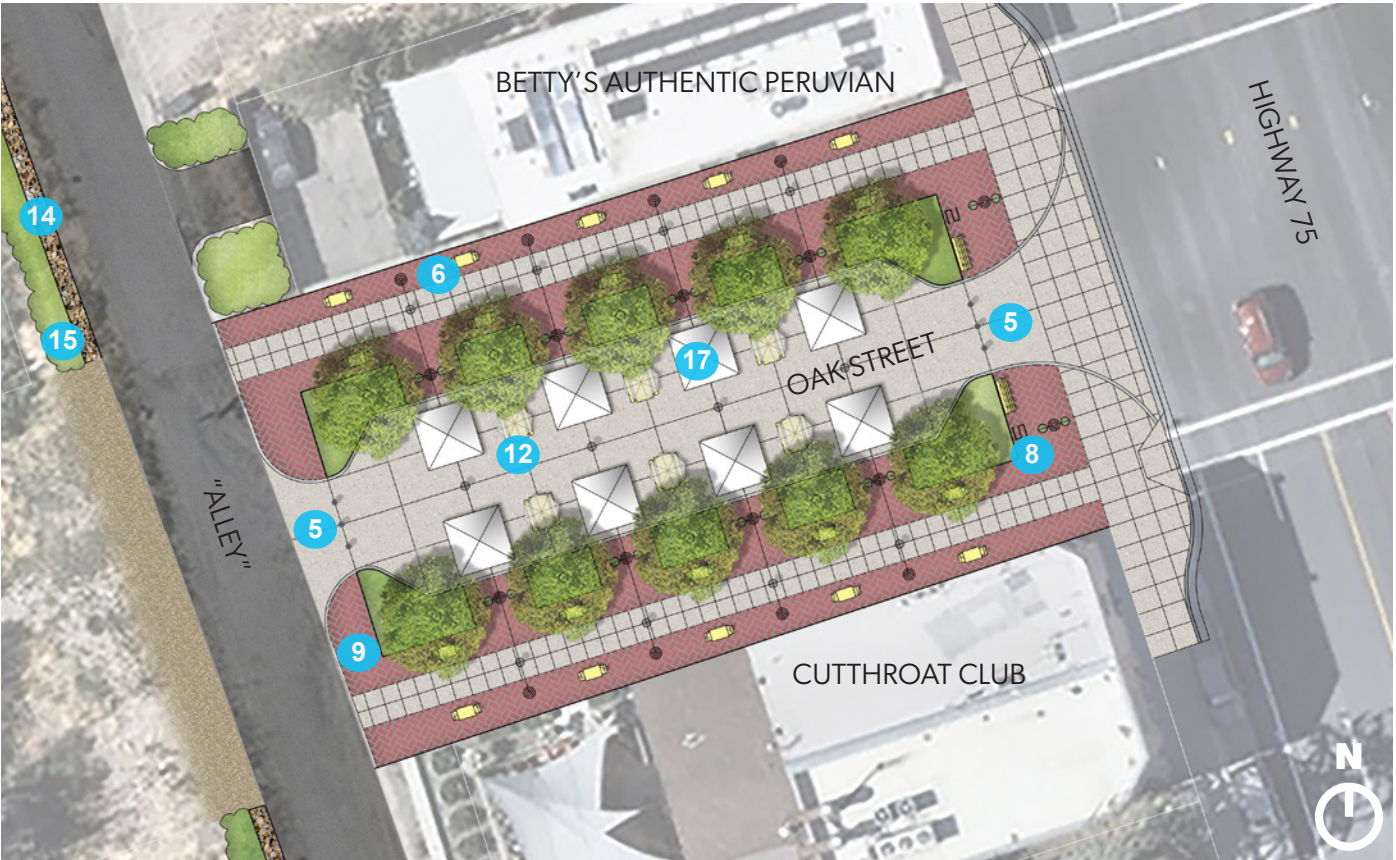


LEGEND

- 1. Rolled Curb
- 2. New Concrete Paving
- 3. Gravel Drive for Snow Storage
- 4. Parallel Parking, 8 Stalls
- 5. Removable Bollards
- 6. Seating, Bistro Tables and Chairs, Picnic Tables
- 7. Pedestrian Scale Lighting with Hanging Baskets
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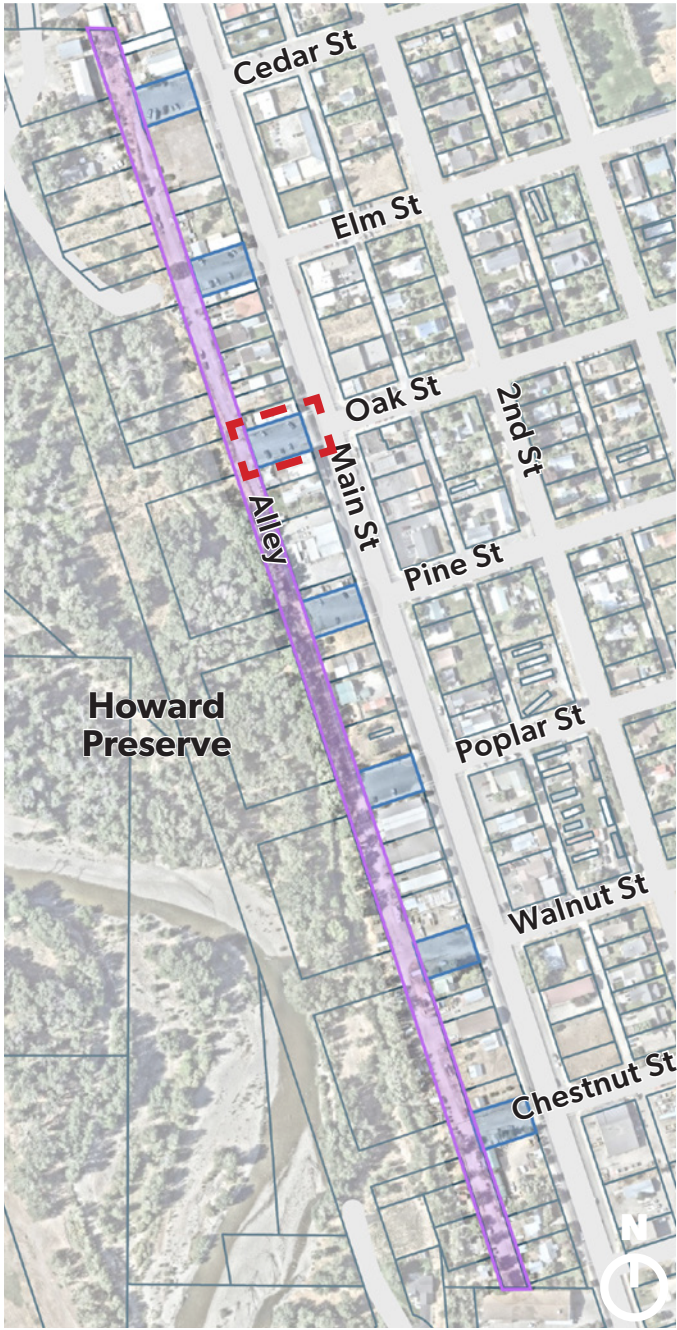


Everyday Configuration



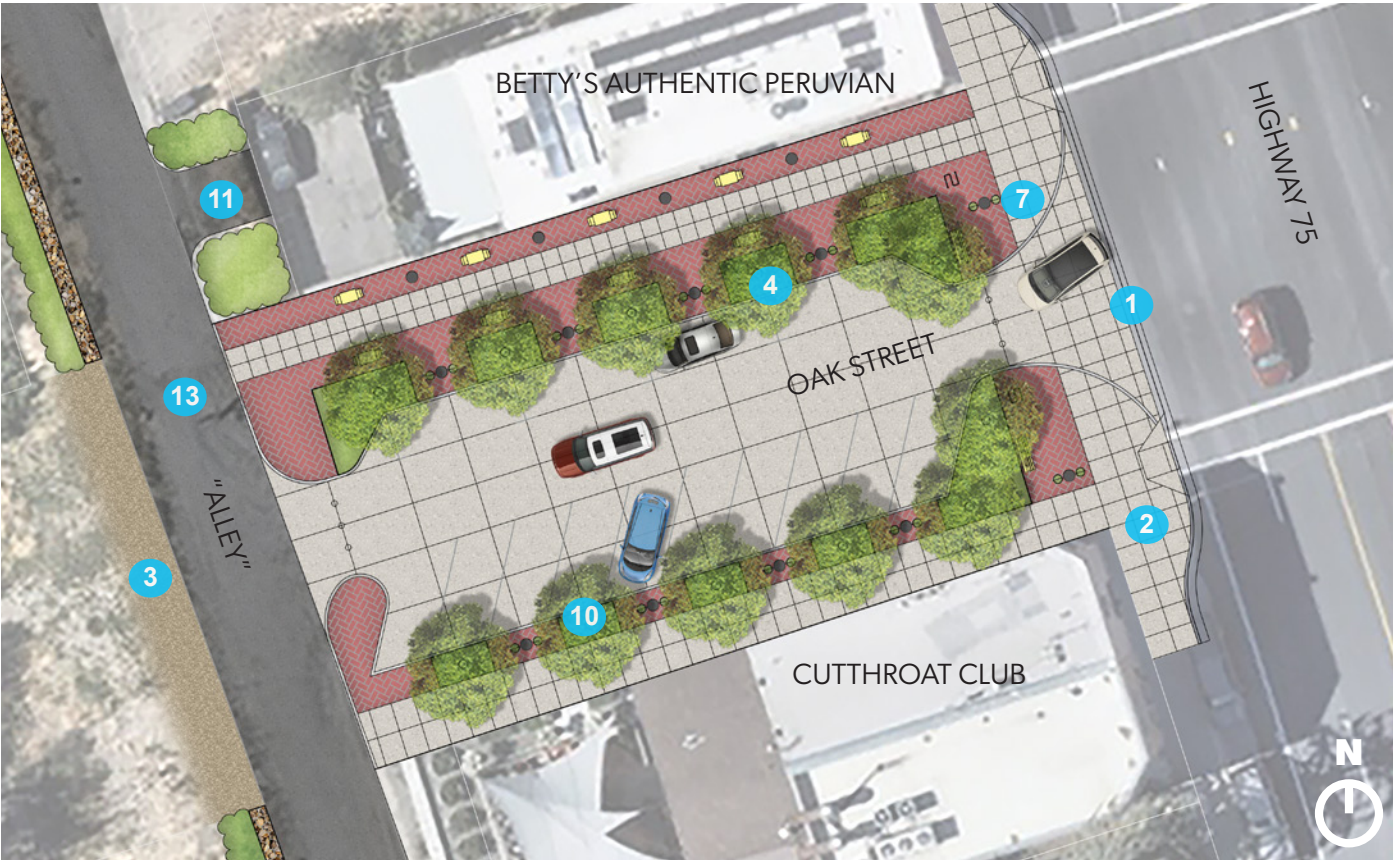
Festival Configuration

OAK STREET SCHEME 3: HYBRID

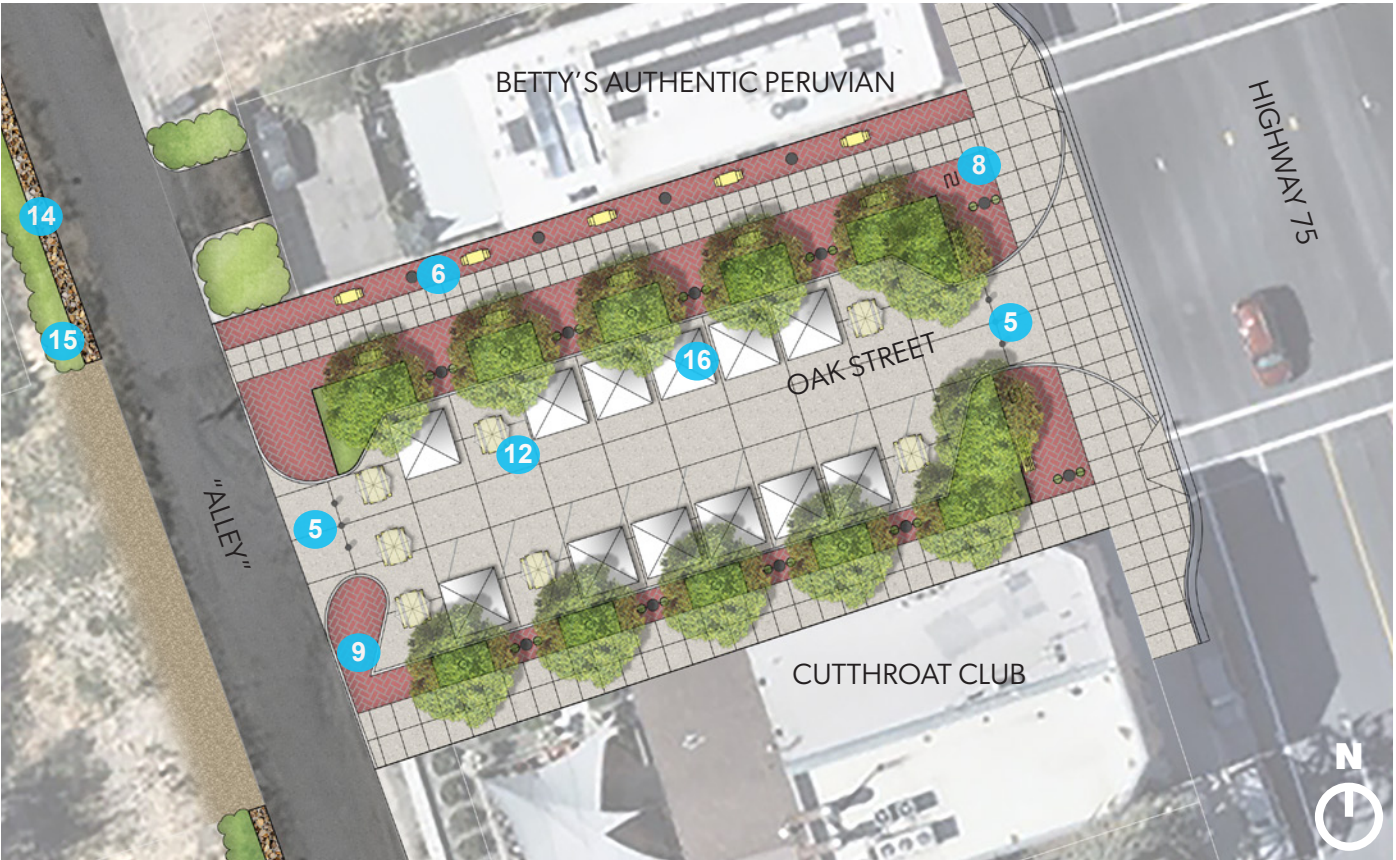


LEGEND

- 1. Rolled Curb
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Everyday Configuration

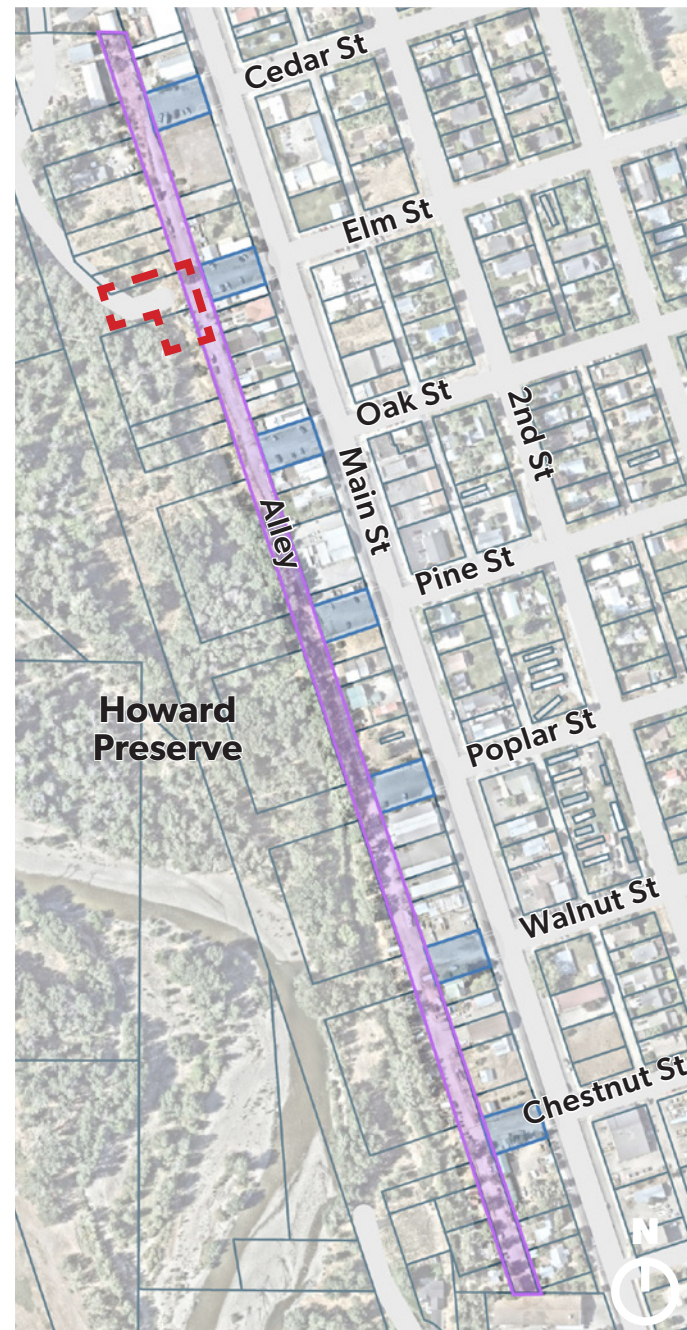


Festival Configuration

ELM STREET END IMPROVEMENTS

The Elm Street End is to be improved similarly to the Oak Street End. As this is one of two primary entries to the Howard Preserve, the plan addresses existing drainage issues, invasive weeds, lack of stable, safe pedestrian access, and undefined, inefficient parking.

Proposed improvements to the entry include concrete curb and storm drain inlets, a new overhead gateway, improved crushed rock switchback pathway, and restoration of native plants. Subtle dark sky lighting may be incorporated into the entry structure in the form of downlights.



Typical Daytime Use



Winter Night Use

ELM STREET OPTIONS



- LEGEND
- 1. 90° Parking, 6 Stalls
 - 2. Seating, Picnic Tables
 - 3. Concrete Pavers
 - 4. Aspen Grove
 - 5. New Asphalt Paving
 - 6. Gabion wall, 36" High
 - 7. New Native Planting
 - 8. Crushed Rock Path
 - 9. Crushed Rock Drive
 - 10. Entry Gate
 - 11. Garbage Enclosure
 - 12. Existing Driveway
 - 13. Specimen Tree
 - 14. Circular Bench Around Tree



OPTION 1: Pedestrian Access with Parking



OPTION 2: Pedestrian Access with Access Road and Overlook

FUTURE PHASE STREET ENDS

With available funding and the Downtown Urban Renewal District Expiration date of 2030, Chestnut, Walnut, Poplar, Pine and Cedar Street Ends are envisioned as future conversions as adjacent parcels redevelop and City funds or grants become available. As funding comes available, each is to be improved per the most applicable of the (3) schemes, based on land use. Adjacent develop should be required or incentivised to include active ground floor uses, with first priority for restaurant, retail or civic uses, and second priority for residential amenities or stoops for ground related higher density housing.

A southern pedestrian entry to Howard Preserve at the Chestnut Street End would provide a non-vehicular entry for south Bellevue residents and visitors, and could be developed in partnership with the Wood River Land Trust and Friends of Howard Preserve, building off of the potential 2027 southward expansion of the Preserve.



Option 1: Everyday Configuration



Option 1: Festival Configuration

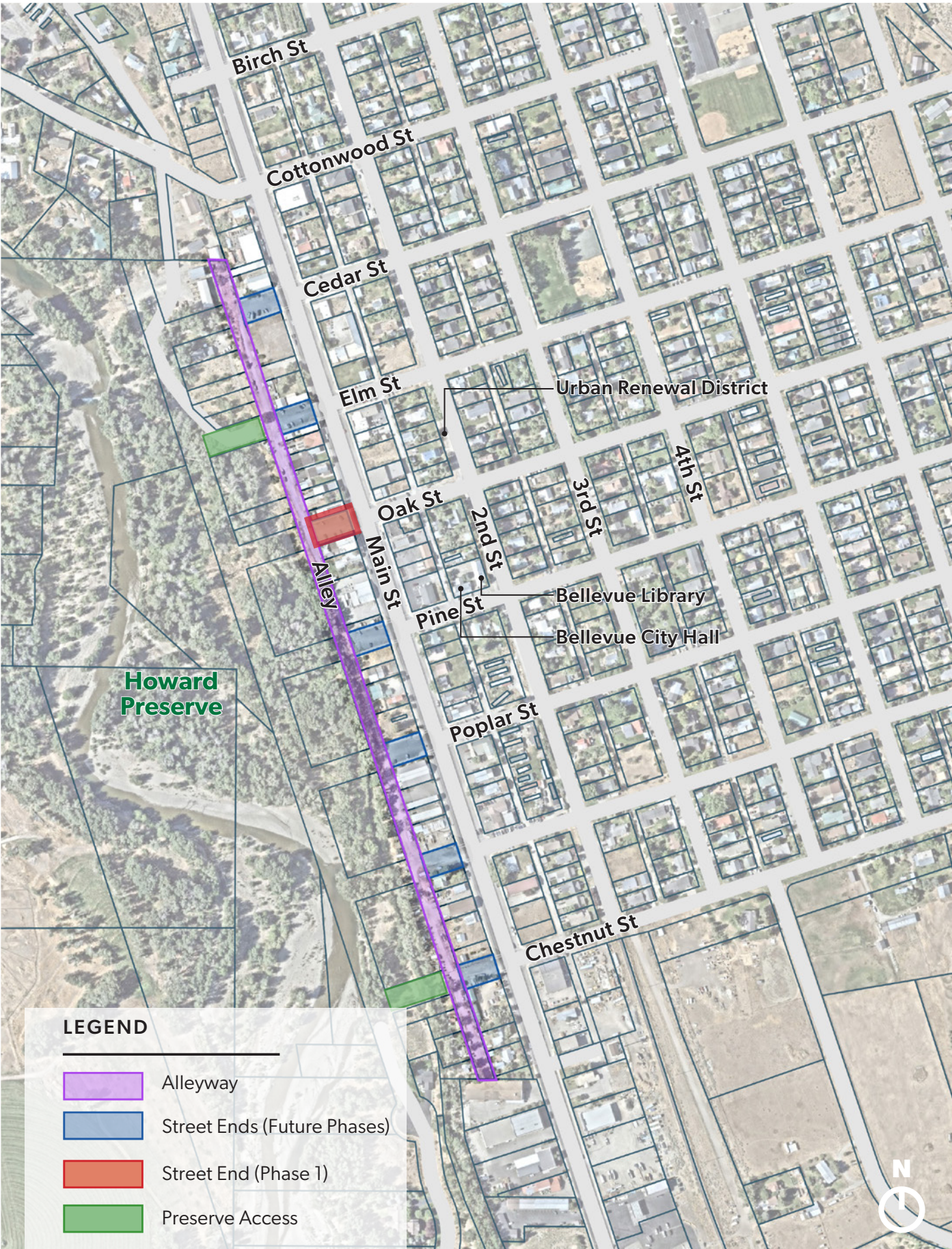


Option 2: Everyday Configuration



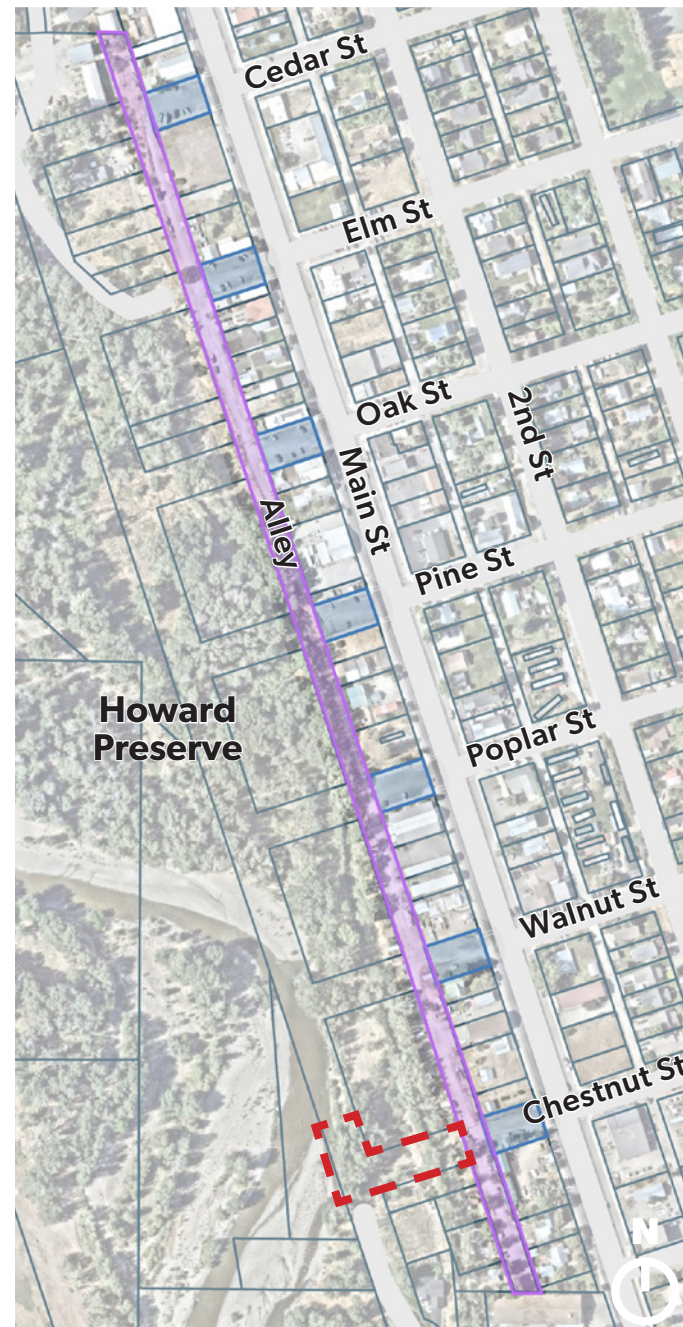
Option 2: Festival Configuration

PLAN AREA



SOUTHERN ENTRY TO HOWARD PRESERVE

From Main Street, there is currently no pedestrian access to the Howard Preserve for residents within walking and biking distance from the east side of town. In partnership with the Friends of Howard Preserve and the Wood River Land Trust, a new entry, similar to the Elm Street Entry, is proposed as a later phase of the plan. This will need to be in partnership with adjacent land owners, coordinated with snow storage operations, and in concert with native landscape restoration. Now is the time to consider future improvements, in coordination with current plans to extend the preserve south.



Similar to Pedestrian Access with Parking



Southern Access to Howard Preserve

PHASE 1 IMPLEMENTATION PLAN



Oak Street End Improvements



Elm Street End Improvements



Existing Conditions

Proposed Alley Improvements Oak to Elm

LEGEND

- 1. Concrete Paver Plaza
- 2. 90° Parking, 7 Stalls
- 3. Picnic Table
- 4. Gabion wall, 36" High
- 5. New Native Planting
- 6. Crushed Rock Path
- 7. Entry Gate
- 8. Existing Driveway
- 9. Aspen Grove
- 10. Garbage Enclosure
- 11. Rolled Curb
- 12. New Concrete Paving
- 13. Gravel Drive for Snow Storage
- 14. Parallel Parking 4 Stalls
- 15. Angled Parking, 10 Stalls
- 16. Removable Bollards
- 17. Seating, Bistro Tables and Chairs
- 18. Pedestrian Scale Lighting with Hanging Baskets
- 19. Bicycle Rack
- 20. Concrete Pavers
- 21. Small Flowering Trees in Planter Beds
- 22. New Driveway
- 23. Additional Seating
- 24. New Asphalt Paving



PHASE 1 IMPLEMENTATION PLAN

LOCATION	ROM	FUNDING SOURCE
Alley	\$200,000	BURA
Oak Street Improvements	\$650,000	State Grants
Elm Street / Howard Preserve Entry	\$200,000	State Grants + Wood River Land Trust (WRLT)
TOTAL	\$1,050,000	



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PRECISION ENGINEERING



BELLEVUE URBAN RENEWAL AGENCY (BURA) **MAIN STREET CROSSING LIGHTING STUDY** FINAL REPORT

September 4, 2026



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Chapter 1 - Introduction

Bellevue Urban Renewal Agency (BURA) retained Precision Engineering, LLC (Precision) to perform a roadway and crosswalk lighting study of five intersections along Main Street (Idaho State Highway 75) throughout the city of Bellevue, Idaho. The primary objective of the study is to evaluate the existing and proposed illumination levels relative to standard safety criteria and establish decorative luminaire options for future corridor enhancements.

The study evaluated multiple intersections to determine the necessary illumination improvements needed to meet the recommended values presented in *ANSI/IES RP-8 25 Recommended Practice: Lighting Roadway and Parking Facilities*. The five intersections evaluated in this study are:

- Main Street (SH-75) & Spruce Street
- Main Street (SH-75) & Cottonwood Street/Broadford Road
- Main Street (SH-75) & Elm Street
- Main Street (SH-75) & Oak Street
- Main Street (SH-75) & Pine Street

Study Approach and Assumptions

The photometric modeling was conducted using AGi32 lighting design software. Various roadway luminaires and configurations were modeled at each location to determine an optimal layout that enhances pedestrian visibility, crosswalk illumination, and overall intersection safety.

No specific luminaire manufacturer or model was specified by BURA for the study and therefore, a luminaire was selected based on its ability to achieve recommended lighting levels while remaining compatible with the surrounding environment. The City of Bellevue is located near the boundary of the Central Idaho Dark Sky Reserve, the first Gold-Tier Dark Sky Reserve in the United States. To prevent light pollution, luminaire selection prioritized zero uplight (U0 rating) and strict cut-off control to help limit impacts to the surrounding nighttime environment. [Table 1](#) provides the luminaire information used in the AGi32 modeling, while Appendix B contains detailed manufacturer specification sheets.

Table 1: Fixture Used for AGi32 Analysis

Luminaire	Description	Wattage	Lumens	LLF	Mounting Height (ft)	Mast Arm Length (ft)
LEOTEK GCM3-60J-MV-40K-3F-XX-170 S	Roadway Luminaire	111	16,872	0.92	30	15

Chapter 2 - Analysis

Study Area

The study area is located within the City of Bellevue in Blaine County, Idaho, as shown in *Figure 1*. The individual study locations are delineated by red boundary lines representing the approximate extents of the lighting analysis.

Main Street, which is also Idaho State Highway 75 (SH-75), serves as the primary thoroughfare through the City of Bellevue and the Wood River Valley. Within the study area, Main Street is a five-lane roadway consisting of two travel lanes in each direction and a center turn lane. Rectangular Rapid Flashing Beacon (RRFB) crossings are present at Spruce Street, Cottonwood Street/Broadford Road, Elm Street, and Oak Street while no RRFB exists at Pine Street.

The study intersections are located within the developed portion of Bellevue and land uses adjacent to the corridor are primarily commercial and mixed-use urban development. Lighting design considerations incorporated during the analysis include roadway geometry, existing crosswalk locations, right-of-way constraints, potential utility conflicts and dark sky preservation goals.

Figure 1: Study Area



Horizontal and Vertical Illuminance

Horizontal and vertical illuminance are two complementary measures used to evaluate lighting conditions at pedestrian crossings. Horizontal illuminance is the amount of light falling onto a horizontal surface, such as the roadway or pavement, and provides an indication of how well the crossing surface is illuminated. Vertical illuminance is the amount of light falling onto a vertical surface, such as a pedestrian, and is particularly important for pedestrian crossings because it provides an indication of how visible a pedestrian may be to an approaching motorist. While horizontal illuminance helps illuminate the crossing area itself, vertical illuminance helps illuminate the pedestrian within that area.

For this study, horizontal illuminance was evaluated within the marked crosswalk areas, while vertical illuminance was evaluated at a height of 5 feet above the roadway surface and oriented toward approaching traffic. Evaluating both horizontal and vertical illuminance provides a more complete assessment of lighting conditions at pedestrian crossings by considering both illumination of the crossing surface and visibility of pedestrians to approaching motorists.

Recommended Lighting Levels

Recommended lighting levels for the study intersections were established based on *ANSI/IES RP-8-25*. Recommended intersection illuminance varies based on the functional classification of the intersecting roadways and the level of pedestrian activity.

For purposes of evaluating the study intersections, Main Street (SH-75), which is classified as a minor arterial, was represented by the Major roadway classification. Pine Street and Broadford Road are classified as a major collector, resulting in a Major/Collector intersection classification. Spruce Street, Cottonwood Street, Elm Street, and Oak Street are classified as local roadways and were therefore evaluated as Major/Local intersections.

Pedestrian activity counts were not available for the study intersections. Based on the developed urban setting and the presence of marked pedestrian crossings and RRFBs at four of the five study intersections, a medium pedestrian activity level was assumed for the lighting analysis. The corresponding recommended maintained average horizontal illuminance and uniformity values are summarized in *Table 2*.

Table 2: Recommended Horizontal Illuminance Levels

Facility Type	High Pedestrian Activity	Medium Pedestrian Activity	Low Pedestrian Activity	Uniformity (avg/min)
Major / Collector	2.7 fc	2.0 fc	1.4 fc	3:1
Major / Local	2.4 fc	1.9 fc	1.2 fc	3:1

Table 3: Recommended Vertical Illuminance Levels

Intersection	Facility Type	Recommended Average Vertical Illuminance (fc)
Spruce Street	Major / Local	1.9
Cottonwood Street	Major / Local	1.9
Elm Street	Major / Local	1.9
Oak Street	Major / Local	1.9
Pine Street	Major / Collector	1.9

Modeled Lighting Levels

Photometric models were created in AGI32 to evaluate horizontal crosswalk illuminance, vertical pedestrian illuminance, and overall lighting uniformity (avg/min ratio).

Horizontal illuminance was calculated within each marked crosswalk area to evaluate the average illumination and uniformity provided at the pedestrian crossings. For this study, horizontal illuminance calculations were limited to the marked crosswalk areas rather than the full intersection. The recommended intersection values were used as reference criteria for evaluating the horizontal illumination provided within each crosswalk. Vertical illuminance was also calculated at the marked RRFB crossings and at Pine Street to evaluate the illumination provided on pedestrians as viewed by approaching motorists.

Multiple luminaire configurations were evaluated during development of the proposed layouts. Multiple iterations regarding luminaire placement, orientation, and light output were considered to improve illumination at the intersections and pedestrian crossings while avoiding unnecessary over-lighting. The final modeled configurations represent a balance between the recommended lighting levels, pedestrian visibility, and right-of-way constraints. The modeled lighting levels for each study intersection are summarized in [Table 4](#).

Table 4: Modeled Crosswalk Lighting Levels

Intersection	Recommended Horizontal Illuminance	Modeled Horizontal Illuminance	Modeled Uniformity Ratio (avg/min)	Recommended Vertical Illuminance	Modeled Vertical Illuminance
Spruce St	1.9 fc	2.7 fc	2.15:1	1.9 fc	2.0 fc
Cottonwood St	1.9 fc	2.65 fc	2.2:1	1.9 fc	1.9 fc
Elm St	1.9 fc	2.9 fc	2.0:1	1.9 fc	1.95 fc
Oak St	1.9 fc	2.8 fc	2.1:1	1.9 fc	1.9 fc
Pine St	2.0 fc	2.5 fc	2.4:1	1.9 fc	1.9 fc

Chapter 3 – Proposed Improvements

Based on the results of the lighting analysis, improvements are proposed at the study intersections to improve illumination at the marked pedestrian crossings to improve pedestrian visibility along the Main Street corridor. The proposed improvements were developed considering the recommended lighting levels presented in Chapter 2, existing roadway geometry, available locations for lighting infrastructure, and the developed conditions surrounding each intersection.

The proposed improvements consist of installing new LED roadway luminaires at the study intersections, using the luminaire and mounting configuration identified in [Table 1](#). The proposed luminaire locations are shown on the lighting exhibits included in Appendix A. The locations were selected to provide illumination within the pedestrian crossing areas while utilizing practical pole locations within the existing right-of-way.

The proposed roadway lighting consists of LEOTEK GreenCobra GCM3 LED luminaires mounted approximately 30 feet above the roadway on 15-foot mast arms. The modeled luminaire provides a Type 3F distribution, which a broad, forward-directed light distribution intended to provide coverage across the roadway. This distribution was selected to support illumination of the five-lane SH-75 corridor while maintaining appropriate lighting levels within the pedestrian crossing area. [Figure 2](#) below shows a LEOTEK GreenCobra luminaire fixture mounted on a 15-foot mast arm at a mounting height of 30-feet along Ten Mile Rd in Meridian, Idaho.

Figure 2: Example of Proposed Luminaire & Pole



Consideration was given to the placement and orientation of the proposed luminaires relative to the marked pedestrian crossings. Providing illumination from the approach side of a crosswalk improves vertical illumination of pedestrians as viewed by approaching motorists. Through the lighting analysis, it was determined that locating the proposed luminaires approximately 20 feet in advance of the crosswalks provided favorable front lighting and improved vertical illuminance within the pedestrian crossing areas. FHWA guidance similarly recognizes that luminaire placement and spacing may require adjustment at crosswalks, particularly for retrofit applications and wide roadways.

The 20-foot offset is a modeled design recommendation and should be confirmed during final design based on the actual pole locations, roadway geometry, and available right-of-way. Any substantial changes to pole location, mounting height, mast arm length, luminaire output, or orientation should be evaluated to confirm that the resulting lighting levels remain consistent with the values established in this study. FHWA similarly notes that roadway-lighting pole layouts may need adjustment for existing utility and site conflicts.

Chapter 4 – Decorative Luminaires

BURA requested that decorative pedestrian-scale lighting options also be identified for potential use along the Main Street corridor. Decorative lighting was not included in the AGI32 photometric analysis presented in Chapter 2 and is provided for planning and aesthetic consideration. Several decorative lighting systems currently used by municipalities in Idaho were reviewed to provide examples of fixture styles, mounting configurations, and lighting characteristics that may be appropriate for Bellevue. Decorative lighting examples from Nampa, Caldwell, Ketchum, and Hailey were selected for comparison. These examples represent a range of traditional and contemporary fixture styles and provide both statewide and Wood River Valley precedents. Manufacturer information and spec sheets are provided in Appendix C.

*Table 5: Decorative Luminaires Used by Other Idaho Municipalities*

Luminaire	Municipality	Wattage	Lumens	CCT	Distribution	Approx. Mounting Height (ft)
HOLOPHANE AWDE3 P20 50K MVOLT LS AL5	Caldwell, ID	40	6,000	5000K	Type V (AL5)	17
HOLOPHANE ARUE2 P30 40K AS GL3 BK S P7	Nampa, ID	76	6,675	4000K	Type III (GL3)	14
HOLOPHANE Bern GlassWerks LED	Hailey, ID	-	-	2700K	Type III Full Cutoff	14
Landscape Forms Northport DR201-SO-30K-T3-FRS-20K-NTW	Ketchum, ID	43	2,200	3000K	Type III	15

The decorative lighting examples presented in [Table 5](#) demonstrate a range of fixture styles and lighting characteristics currently used by Idaho municipalities. The Caldwell and Nampa configurations utilize more traditional decorative luminaire styles with correlated color temperatures of 5000K and 4000K, respectively, while the Ketchum and Hailey configurations utilize warmer color temperatures of 3000K and 2700K, respectively. The Ketchum Northport fixture provides a more contemporary decorative appearance, while the Hailey Bern GlasWerks fixture maintains a traditional pendant-style appearance.

Selection of a decorative luminaire for Bellevue should consider fixture appearance, correlated color temperature, optical distribution, mounting height, streetscape accessories, maintenance requirements, and compatibility with the surrounding nighttime environment. Because the decorative luminaires were not included in the photometric analysis performed for this study, the selected fixture and proposed spacing should be evaluated photometrically later to confirm appropriate sidewalk illumination and uniformity.



Chapter 5 – Findings and Recommendations

The lighting study evaluated proposed roadway lighting improvements at five intersections along Main Street (SH-75) within the City of Bellevue. Proposed lighting configurations were developed using AGI32 and evaluated relative to the recommended lighting levels presented in *ANSI/IES RP-8-25*.

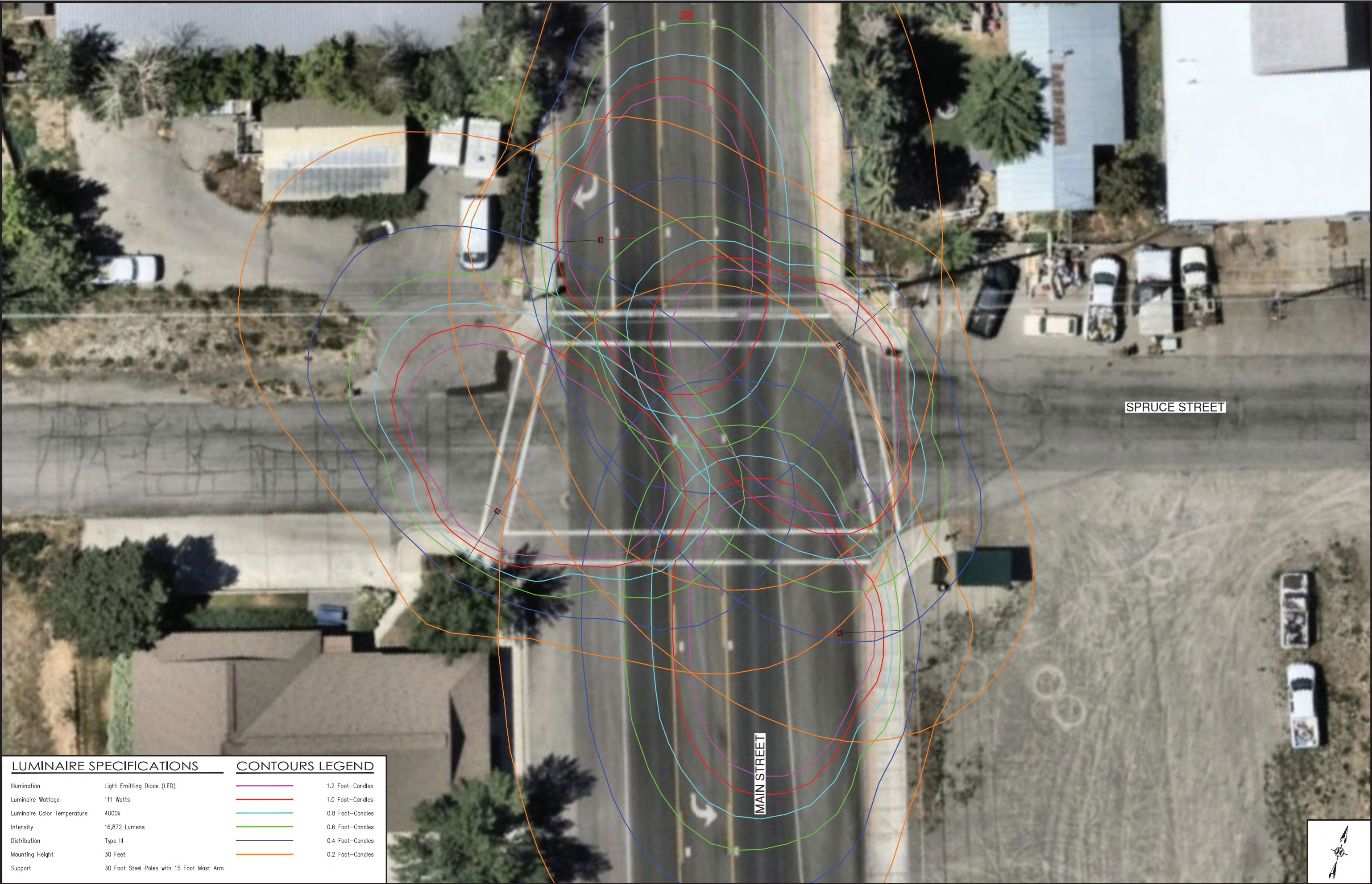
The proposed roadway lighting configurations provide modeled average horizontal illuminance within the analyzed pedestrian crossing areas that meets or exceeds the recommended average illuminance criteria used for this study. The proposed configurations also provide vertical illumination at the marked pedestrian crossings that meet or are approximately equal to the recommended average vertical illuminance levels established in Chapter 2. The analysis demonstrated that luminaire placement relative to the pedestrian crossings is important for achieving adequate vertical illumination. Locating the proposed luminaires approximately 20 feet in advance of the crosswalks provided favorable front lighting of pedestrians while maintaining appropriate horizontal illumination within the crossing areas.

Decorative pedestrian-scale luminaires currently used by the cities of Caldwell, Nampa, Hailey, and Ketchum were also reviewed. The evaluated examples provide BURA with a range of fixture styles, color temperatures, optical distributions, and mounting configurations for consideration along the Main Street corridor.

Based on the findings of this study, Precision recommends proceeding with the proposed roadway lighting configurations shown in the lighting exhibits. During installation, pole locations should be coordinated with utilities and other existing roadside features. If substantial changes are made to the proposed pole locations, mounting heights, mast arm lengths, luminaire output, optical distribution, or orientation, the lighting calculations should be updated to confirm that the resulting illumination remains consistent with the criteria established in this study. For decorative pedestrian-scale lighting, it is recommended BURA select a preferred fixture based on aesthetics, a warmer color temperature ($\leq 3000\text{K}$), full-cutoff optics, maintenance requirements and streetscape compatibility. Following selection of a preferred decorative luminaire, photometric analysis should be completed to establish appropriate fixture spacing and verify lighting performance.



Appendix A: Proposed Improvements







LUMINAIRE SPECIFICATIONS

Illumination	Light Emitting Diode (LED)
Luminaire Wattage	111 Watts
Luminaire Color Temperature	4000k
Intensity	16,872 Lumens
Distribution	Type III
Mounting Height	30 Feet
Support	30 Foot Steel Poles with 15 Foot Mast Arm

CONTOURS LEGEND

	1.2 Foot-Candles
	1.0 Foot-Candles
	0.8 Foot-Candles
	0.6 Foot-Candles
	0.4 Foot-Candles
	0.2 Foot-Candles

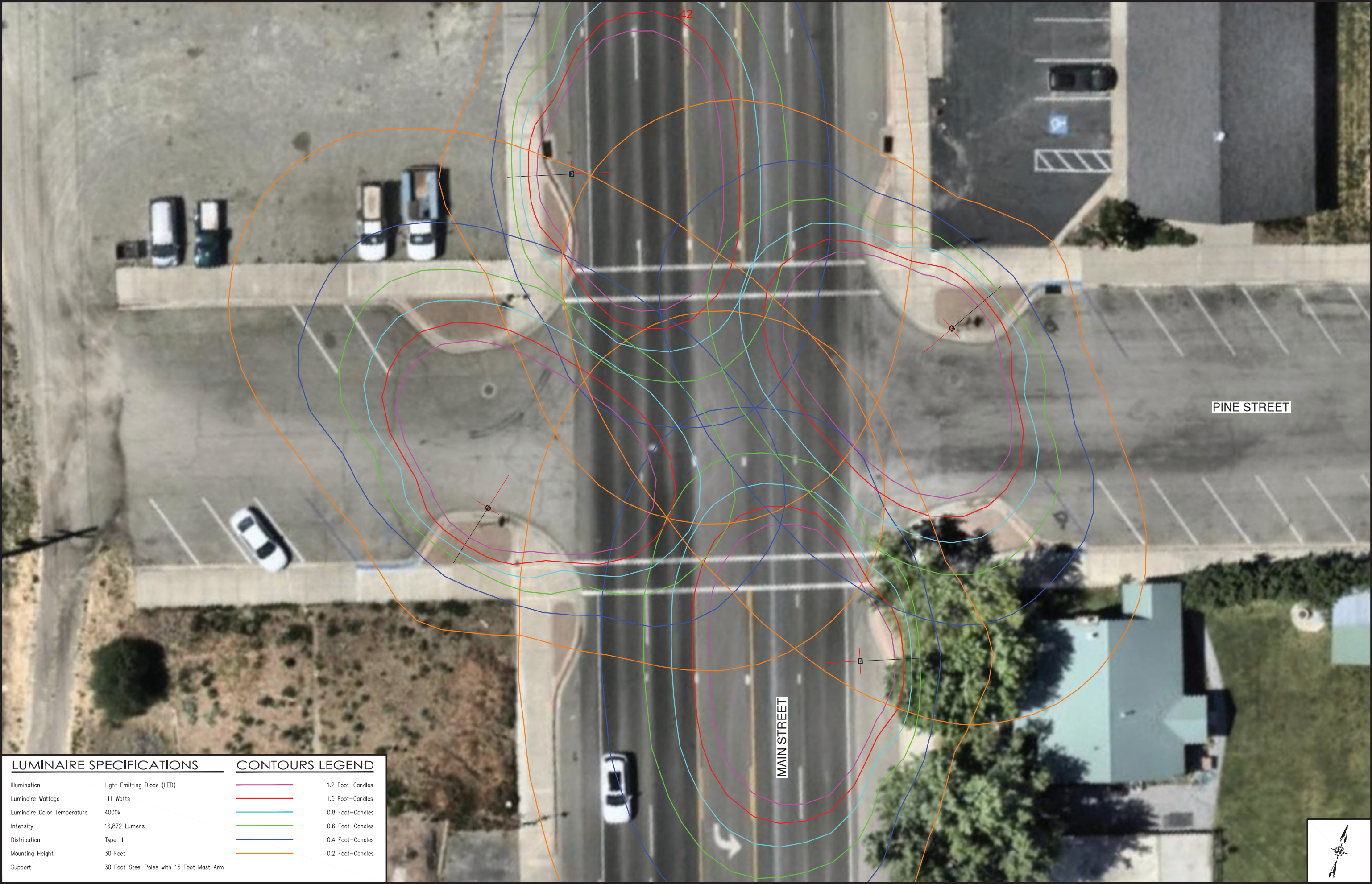


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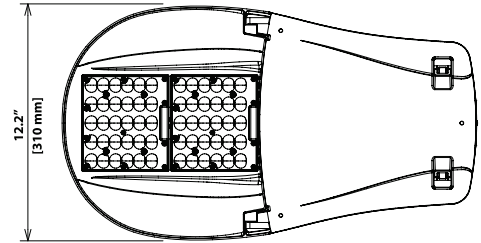
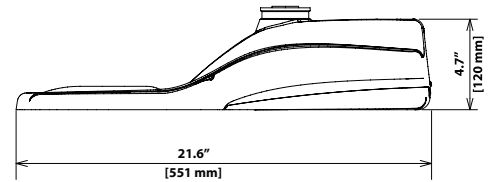
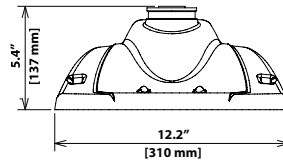
Appendix B: Luminaire Specification Sheet

GreenCobra™ Midsize LED Streetlight

GCM J-Series Specification Data Sheet

Luminaire Data

Weight 11 lbs [5.0 kg]
EPA 0.44 ft²



Ordering Information

Sample Catalog No. GCM2-60J-MV-30K-2R-GY-130-PCR7-WL

GCM3	60J	MV	40K	3F	BK	170	PCR7
Model*	LED Code	Voltage	Color Temperature	Distribution	Finish ¹	Output Code ²	Options
GCM1*	60J	MV 120-277V	22K 2200K	2R Type 2	GY Gray	Refer to Page 3 to select the performance code.	FOC ³ Fixed Output Code
GCM2*		HV 347-480V	27K 2700K	3R Type 3R	DB Dark Bronze		LPCR Less Photocontrol
GCM3*			30K 3000K	3F Type 3F			Receptacle
GCM4*			40K 4000K	4 Type 4	BK Black		PCR7 ⁴ ANSI 7-wire Photo-control Receptacle
			50K 5000K	5 Type 5			PCR7-CR ⁵ Control Ready 7-wire PC Receptacle
							MSL3 Motion Sensor, L3 Lens
							MSL7 Motion Sensor, L7 Lens
							WL Utility Wattage Label
							4B 4-Bolt Mounting Bracket
							RWG Rubber Wildlife Guard
							SWTB Straight Wire Terminal Block
							BBL Bubble Level
							DSC Door Safety Cable
							CF ⁶ Coastal Paint Finish
							SP2 ⁷ Extreme Surge Protection, 20KV/10KA, Fail-to-on
							LSSP2 ⁷ Extreme Surge Protection, Fail-to-off, 20kv/10kA Rating

* Refer to performance data table on page 3 for specific model with corresponding output code

Notes:

- 1 Gray, Black, and Dark Bronze standard. Consult factory for other finishes. See page 2 for RAL codes of Standard finishes.
- 2 Specified output code is the factory set lumen performance. Refer to performance data table on page 3 of this spec sheet. Field adjustable output selector enables fixture to be changed in the field to adjust light output for local conditions (not available with Fixed Output Code, FOC) or PCR7-CR option. Consult factory if wattage limits require a special drive current.
- 3 Non-field adjustable, fixed output code. Specify required output code. Not available with PCR7-CR option.
- 4 Includes output selector that enables field adjustability of light levels. Includes connectors to allow easy upgrade of wireless dimming via PCR7. Wireless node by others.
- 5 Control-ready wired at factory for wireless node dimming (node by others). Output selector not included in the fixture. Not able to adjust above specified output code.
- 6 Specify the CF Option for coastal installation. See warranty for details.
- 7 Standard surge protection, 10kV/5kA, fail-to-on, meets enhanced surge protection based on ANSI 136.25-2015 3-part test.
- 8 Flush mounted house side shield. Shield cuts light off at 1 mounting height behind luminaire. Gray frame with black louvers.
- 9 Flush mounted cul-de-sac shield. Shield cuts light off at 1 mounting height behind luminaire and 2 times the mounting height on either side of luminaire. Gray frame with black louvers.
- 10 Flush mounted front side shield cuts light off at approximately 1 1/2 mounting height in front of luminaire (street side). Gray frame with black louvers.
- 11 Specify Color (GY, DB, BK). Refer to Leotek web site for specific mounting details and drawings at <https://leotek.com/lighting-library/>
- 12 Specify MV (120-277V) or HV (347V-480V)

Accessories*

HSSJGCM ⁸	House Side Shield, Snap-On*
CSSJGCM ⁹	Cul-De-Sac Side Shield, Snap-On*
FSSJGCM ¹⁰	Front Side Shield, Snap-On*
SPB ¹¹	Square Pole Horizontal Arm Bracket
RPB ¹¹	Round Pole Horizontal Arm Bracket
PTB ¹¹	Pole Top Tenon Horizontal Arm Bracket
PTB2 ¹¹	Pole Top Tenon Horizontal Arm Bracket (2@180°)
WB ¹¹	Wall Horizontal Arm Bracket
BSK	Bird Deterrent Spider Kit
LLPC ¹²	Long-Life Twist Lock Photocontrol
SC	Twist Lock Shorting Cap

*Unless specified for field installation, Shields and Shorting Caps are shipped installed. All other options are shipped separately.

Luminaire Specifications

Housing

Die cast aluminum housing with universal two-bolt slip fitter mounts to 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter mast arm. One-piece aluminum housing provides passive heat-sinking of the LEDs and has upper surfaces that shed precipitation. Four-bolt mounting bracket (4B option) is available. Mounting provisions meet 3G vibration per ANSI C136.31-2010 Normal Application, Bridge & Overpass by independent test lab. Mounting has leveling adjustment from $\pm 5^\circ$ in 2.5° steps. All hardware is stainless steel. Electrical components are accessed without tools via die cast aluminum door with stainless steel quick release latches. Provided standard with removable polycarbonate wild life guard. For additional protection, optional rubber wildlife guard (RWG) which conforms snugly to the mast arm is offered.

Light Emitting Diodes

LEDs produce minimum 90% of initial intensity at 60,000 hours of life per IES recommended lumen maintenance life projection based on 6 times the duration of the collected LM-80 data. For details on IESNA Position on LED Product Lifetime Prediction, PS-10-18. LEDs have correlated color temperature of 2200K (22K), 2700K (27K), 3000K (30K), 4000K (40K), or 5000K (50K) and 70 CRI minimum. LEDs are ROHS compliant, 100% mercury and lead free.

Field Adjustability

LED lumen output can be changed in the field to adjust light output for local conditions (not available with PCR7-CR option). The specified output code will be the factory set output. Field adjustments can be made with the output selector included in the fixture. Field adjustable range shown in performance data table.

Quality Control

Every luminaire is performance tested before and after a 2-hour burn-in period. Assembled in the USA.

Color Specifications

Order Code	Color	RAL #	Pantone Equivalent
GY	Gray	7040	429C
BK	Black	9004	426C
DB	Dark Bronze	6022	BLACK 2C

Optical Systems

Micro-lens optical systems produce IESNA Type 2, Type 3, Type 4, or Type 5 distributions and are fully sealed to maintain an IP66 rating. Luminaire produces 0% total lumens above 90° (BUG Rating, U=0). Optional house side shield cuts light off at 1/2 mounting height behind luminaire. Front side shield cuts light off at approximately one mounting height in front of the luminaire (street side). Cul-de-sac shield provides back and side light control for end of cul-de-sac applications. All shields are field installable without tools.

Electrical

Rated life of electrical components is 100,000 hours. Uses isolated power supply that is 1-10V dimmable. Power supply is wired with quick-disconnect terminals. EMC meets or exceeds FCC CFR Part 15. Terminal block accommodates 6 to 14 gauge wire. Surge protection complies with IEEE/ANSI C62.41 Category C High, 10kV/5kA and ANSI C136.2-2015, 3-part test.

Power Supply

IP66 rated power power supply with high power factor of > 90%. Auto sensing universal AC input from 120 to 277VAC (MV model) and 347 to 480VAC (HV mode) rated for both line to line and line to neutral applications. Maximum THD rating of 20%. Class 1 or Class 2. Built-in overheating protection mechanism will reduce drive current to LEDs and electrical components if the driver experiences unusual internal overheating situation. Built-in short circuit, voltage overload, and current overload protection with automatic recovery after correction.

Controls

3-Wire photocontrol receptacle is standard. ANSI C136.41 7-wire (PCR7) photocontrol receptacle is available. All photocontrol receptacles have tool-less rotatable bases. Wireless control module is provided by others.

Finish

Housing receives a durable, fade-resistant polyester powder coat finish with 3.0 mil nominal thickness. Standard finish tested to withstand 5000 hours in salt spray exposure per ASTM B117 and Coastal Finish per ASTM G85. Finish meets scribe creepage rating 8 per ASTM D1654. Finish tested 500 hours in UV exposure per ASTM G154 and meets ASTM D523 gloss retention.

Listings/Ratings/Labels

Luminaires are UL listed for use in wet locations in the United States and Canada. DesignLights Consortium™ qualified product. Consult DLC QPL for Standard and Premium Classification Listings. All electronic components inside of the luminaire are NRTL damp location rated per ANSI 136.37-2011 Ingress Protection standard. International Dark Sky Association listed. Luminaire is qualified to operate at ambient temperatures of -40°C to 40°C. Assembled in the U.S.A

Photometry

Luminaires photometrics are tested by certified independent testing laboratories in accordance with IES LM-79 testing procedures.

Warranty

10-year limited warranty is standard on luminaire and components. See Leotek.com for warranty details.

Vandal Resistance

Housing and optics rated to IK10

Certification and Compliance

Luminaire complies with:
ANSI: C136.2, C136.3, C136.10, C136.13, C136.15, C136.22, C136.31, C136.35, C136.37, C136.41, C62.41, C78.377, C82.77
Other: FCC 47 CFR, IEC 60598, ROHS II, UL 1449, UL 1598

TM21 Lumen Maintenance per IES TM21-11 Calculation

Model Number	60,000 Hours*	80,000 Hours	100,000 Hours
GCM1/2/3	>96%	>95%	>94%
GCM4	>92.4%	>90.6%	>88.7%

*Calculation based on IES position statement on Lumen Maintenance Life Projections

Performance Data: 2200K (22K)

All data nominal. IES files for all CCTs available at leotek.com.

Product	LED Code	Output Code	System Wattage (W)	Delivered Lumens (Lm) ¹	Efficacy (Lm/W)	Field Adjustable Output Range
GCM1	60J	080	59	8250	141	↕
		090	65	9073	140	
		100	72	10039	140	
		110	80	10979	138	
		115	85	11504	135	
GCM2	60J	120	89	12019	135	↕
		130	100	13194	132	
GCM3	60J	145	111	14412	130	↕
		155	123	15717	128	
		165	133	16288	122	
GCM4	60J	180	140	18167	130	↕
		190	148	18807	127	

Notes:

1. Nominal lumens. Normal tolerance $\pm 10\%$ due to factors including distribution type, LED bin variance, and ambient temperatures.
2. Maximum LED drive current is 435mA.

Performance Data: 2700K (27K)

All data nominal. IES files for all CCTs available at leotek.com.

Product	LED Code	Output Code	System Wattage (W)	Delivered Lumens (Lm) ¹	Efficacy (Lm/W)	Field Adjustable Output Range
GCM1	60J	090	59	8967	153	↕
		100	65	9862	152	
		110	72	10912	152	
		120	80	11933	150	
		125	85	12504	147	
GCM2	60J	130	89	13064	147	↕
		145	100	14342	144	
GCM3	60J	155	111	15665	141	↕
		170	123	17083	139	
		175	133	17704	133	
GCM4	60J	205	140	20546	147	↕
		215	148	21283	144	
		225	158	22310	141	

Notes:

1. Nominal lumens. Normal tolerance $\pm 10\%$ due to factors including distribution type, LED bin variance, and ambient temperatures.
2. Maximum LED drive current is 435mA.

Performance Data: 3000K (30K)

All data nominal. IES files for all CCTs available at leotek.com.

Product	LED Code	Output Code	System Wattage (W)	Delivered Lumens (Lm) ¹	Efficacy (Lm/W)	Field Adjustable Output Range
GCM1	60J	090	59	9039	154	
		100	65	9940	153	
		110	72	10999	153	
		120	80	12029	151	
		125	85	12604	148	
GCM2	60J	130	89	13169	148	
		145	100	14457	145	
GCM3	60J	160	111	15790	142	
		170	123	17220	140	
		180	133	17846	134	
GCM4	60J	215	140	21627	154	
		225	148	22389	151	
		235	158	23472	140	
		240	163	24114	148	

Notes:

1. Nominal lumens. Normal tolerance $\pm 10\%$ due to factors including distribution type, LED bin variance, and ambient temperatures.
2. Maximum LED drive current is 435mA.

Performance Data: 4000K (40K) and 5000K (50K)

All data nominal. IES files for all CCTs available at leotek.com.

Product	LED Code	Output Code	System Wattage (W)	Delivered Lumens (Lm) ¹	Efficacy (Lm/W)	Field Adjustable Output Range
GCM1	60J	095	59	9562	163	
		105	65	10525	162	
		115	72	11574	161	
		125	80	12746	160	
		135	85	13402	158	
GCM2	60J	140	89	13884	156	
		155	100	15400	154	
GCM3	60J	170	111	16872	152	
		185	123	18387	149	
		190	133	19072	143	
GCM4	60J	220	140	22141	158	
		230	148	23143	156	
		245	158	24269	154	
		250	163	24953	153	

Notes:

1. Nominal lumens. Normal tolerance $\pm 10\%$ due to factors including distribution type, LED bin variance, and ambient temperatures.
2. Maximum LED drive current is 435mA.

BUG Ratings: 2200K (22K)

All data nominal. IES files for all CCTs are available at leotek.com.

		Type 2R	Type 3R	Type 3F	Type 4	Type 5
Product & LED Code	Product & LED Code	BUG Rating	BUG Rating	BUG Rating	BUG Rating	BUG Rating
GCM1 60J	080	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G1
	090	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
	100	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
	110	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
	115	B3-U0-G3	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
GCM2 60J	120	B3-U0-G3	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
	130	B3-U0-G3	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
GCM3 60J	145	B3-U0-G3	B3-U0-G3	B3-U0-G2	B3-U0-G2	B4-U0-G2
	155	B3-U0-G3	B3-U0-G3	B3-U0-G2	B3-U0-G2	B4-U0-G2
	165	B3-U0-G3	B3-U0-G3	B3-U0-G2	B3-U0-G2	B4-U0-G2
GCM4 60J	180	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
	190	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2

BUG Ratings: 2700K (27K)

All data nominal. IES files for all CCTs are available at leotek.com.

		Type 2R	Type 3R	Type 3F	Type 4	Type 5
Product & LED Code	Product & LED Code	BUG Rating	BUG Rating	BUG Rating	BUG Rating	BUG Rating
GCM1 60J	090	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G1
	100	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
	110	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
	120	B3-U0-G3	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
	125	B3-U0-G3	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
GCM2 60J	130	B3-U0-G3	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
	145	B3-U0-G3	B3-U0-G3	B2-U0-G2	B2-U0-G2	B4-U0-G2
GCM3 60J	155	B3-U0-G3	B3-U0-G3	B3-U0-G2	B3-U0-G2	B4-U0-G2
	170	B3-U0-G3	B3-U0-G3	B3-U0-G2	B3-U0-G3	B4-U0-G2
	175	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
GCM4 60J	205	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
	215	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
	225	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2

BUG Ratings: 3000K (30K)

All data nominal. IES files for all CCTs are available at leotek.com.

Product & LED Code	Output Code	Type 2	Type 3R	Type 3F	Type 4	Type 5
		BUG Rating	BUG Rating	BUG Rating	BUG Rating	BUG Rating
GCM1 60J	090	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
	100	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
	110	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
	120	B3-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
	125	B3-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
GCM2 60J	130	B3-U0-G3	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
	145	B3-U0-G3	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
GCM3 60J	160	B3-U0-G3	B3-U0-G3	B3-U0-G2	B3-U0-G2	B4-U0-G2
	170	B3-U0-G3	B3-U0-G3	B3-U0-G2	B3-U0-G3	B4-U0-G2
	180	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
GCM4 60J	215	B3-U0-G3	B3-U0-G3	B3-U0-G2	B3-U0-G2	B4-U0-G2
	225	B3-U0-G3	B3-U0-G3	B3-U0-G2	B3-U0-G3	B4-U0-G2
	235	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
	245	B4-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2

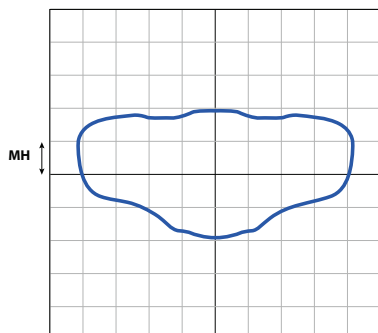
BUG Ratings: 4000K (40K) and 5000K (50K)

All data nominal. IES files for all CCTs are available at leotek.com.

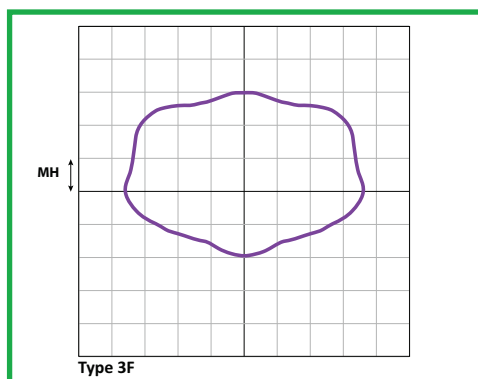
Product & LED Code	Output Code	Type 2	Type 3R	Type 3F	Type 4	Type 5
		BUG Rating	BUG Rating	BUG Rating	BUG Rating	BUG Rating
GCM1 60J	095	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
	105	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
	115	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
	125	B3-U0-G3	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
	135	B3-U0-G3	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
GCM2 60J	140	B3-U0-G3	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
	155	B3-U0-G3	B2-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2
GCM3 60J	170	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G2	B4-U0-G2
	185	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
	190	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
GCM4 60J	220	B3-U0-G3	B3-U0-G3	B3-U0-G2	B3-U0-G2	B4-U0-G2
	230	B3-U0-G3	B3-U0-G3	B3-U0-G2	B3-U0-G3	B4-U0-G2
	245	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
	250	B4-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2

Optical Distribution

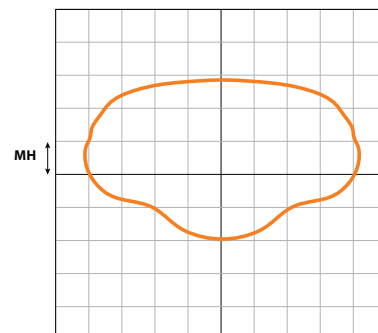
(Each square block represents one mounting height, MH)



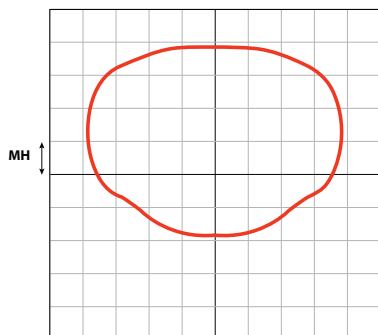
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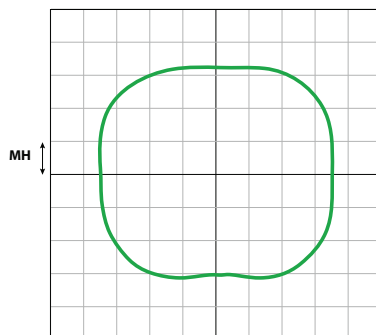
Type 3F



Type 3R



Type 4



Type 5



Appendix C: Decorative Luminaire Specification Sheet

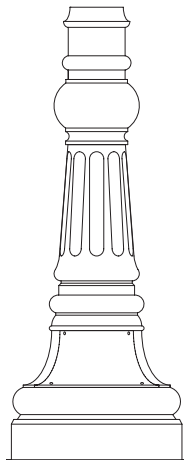


City Of Caldwell Decorative Luminaire Standards

Catalog Number	53
Notes	Type

MRA

Manchester Aluminum Pole



SPECIFICATIONS

General Description

The lighting post shall be all aluminum, one-piece construction, with a classic tapered and fluted base design.

Materials

- The base shall be heavy wall, cast aluminum produced from certified ASTM 356.1 ingot per ASTM B-179-95a or ASTM B26-95
- The straight shafts shall be extruded from aluminum, ASTM 6061 alloy
- The tapered shaft shall be extruded from aluminum, ASTM 6063 alloy, spun to a tapered shape
- All hardware shall be tamper resistant stainless steel
- Anchor bolts to be completely hot dip galvanized
- Utilize a polyester powder coat paint to ensure maximum durability.
- Rigorous multi-stage pre-treating and painting process yields a finish that achieves a scribe creepage rating of 8 (per ASTM D1654) after over 5,000 hours exposure to salt fog chamber (operated per ASTM B117) on standard and RAL finish options.
- RAL (RALxxxxSDCR) paint colors are Super Durable Corrosion Resistant, 80% gloss.

Construction

- The shaft shall be double welded to the base casting and shipped as one piece for maximum structural integrity
- The shaft shall be welded inside the base casting above the access door, and externally where the shaft exits the base
- All welding shall be per ANSI/AWS.

Dimensions

- The post shall be X' - XX" in height with a 19" diameter base
- The shaft diameter shall be XX". At the top of the post, an integral tenon with a transitional donut shall be provided for luminaire mounting.

Installation

- The post shall be provided with four, hot dip galvanized L-type anchor bolts
- A door shall be provided in the base for anchorage and wiring access
- A grounding screw shall be provided inside the base opposite the door.

Warranty

1-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/support/warranty/terms-and-conditions

IMPORTANT INSTALLATION NOTES:

- **Do not** erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Acuity Brands Lighting will not accept claim for incorrect anchorage placement due to failure to use factory template.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Acuity Brands Lighting is not responsible for the foundation design.

Note: Actual performance may differ as a result of end-user environment and application.
Specifications subject to change without notice.

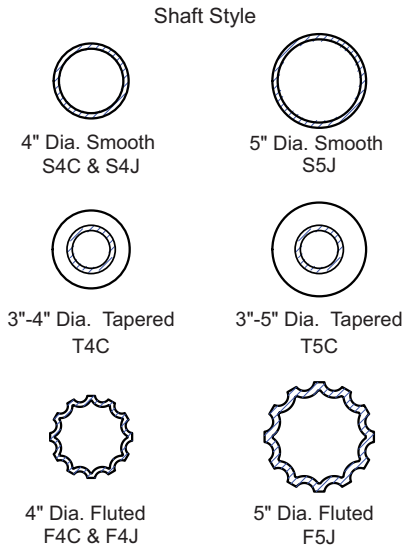
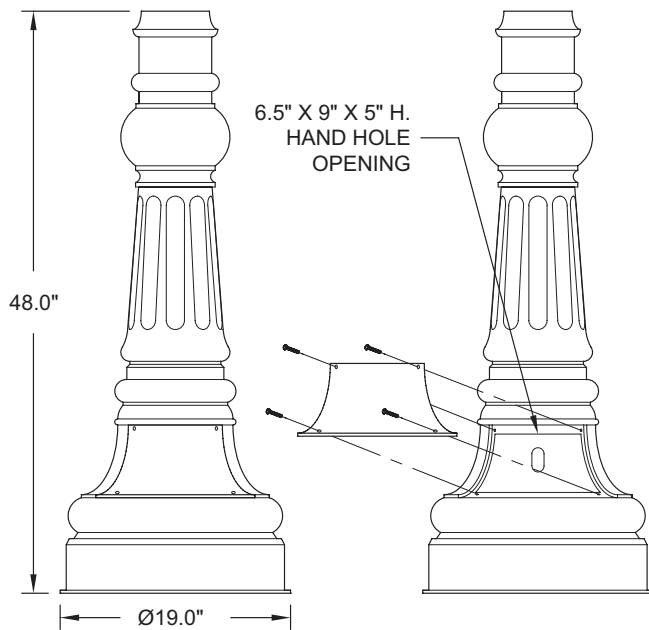
ORDERING INFORMATION

Example: MRA 10 F5J 19D C03 BK

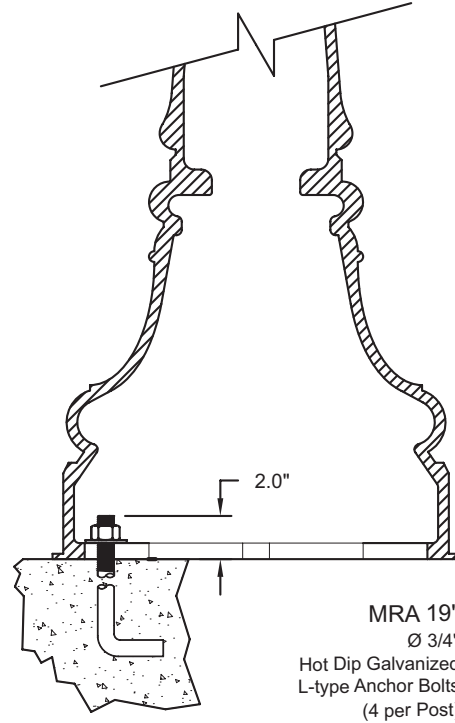
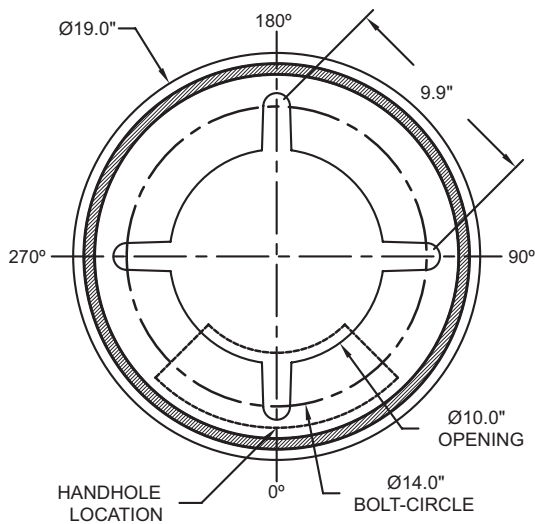
Post		Height	Shaft Style	Base	Tenon
MRA Manchester Aluminum Pole	08	8'	Fluted Shaft	19D 19" Hex. Diamond Pattern Bolt Circle	C03 3" O.D. x 3" LG.
	09	9'	F4C 4" diameter, .125 Wall		C04 3" O.D. x 4" LG.
	10	10'	F4J 4" diameter, .25 Wall		C05 3" O.D. x 5" LG.
	11	11'	F5J 5" diameter, .25 Wall		C06 3" O.D. x 6" LG.
	12	12'	Smooth Shaft		C08 3" O.D. x 8" LG.
	13	13'	S4C 4" diameter, .125 Wall		C09 3" O.D. x 9" LG.
	14	14'	S4J 4" diameter, .25 Wall		C12 3" O.D. x 12" LG.
	15	15'	S5J 5" diameter, .25 Wall		C14 3" O.D. x 14" LG.
	16	16'	Tampered Shaft		E08 ² 3.5" O.D. X 8" LG.
			T4C 3" to 4" diameter, .125 Wall		G08 ² 4-3/8X8 Tenon, (actual size 4.38 O.D. X 8" LG.)
			T5C 3" to 5" diameter, .125 Wall		G12 ² 4.38" O.D. X 12" LG.
					H10 ² 4.50" O.D. X 10" LG.
					PLN ¹ Plain Pole Cap, no Tenon
					VGP ² VGC Plate
		NOTE		NOTE	
		1 Refer to Pole Guide on page 4 for height based on Shaft Style		1 Not available with T4C or T5C shaft styles	
				2 Available with F5J and S5J shaft options	

Finish		Options	Welded Provisions		Accessories: Order as separate catalog number.
BK	Black	GRD 1/2 Brass Grounding Lug	EPXXXY ¹	Provision for eye bolt	AB-31-4 3/4" Anchor bolt set, galvanized steel
BZ	Bronze	DBB Factory Installed Direct Burial Base	LPXXXY ¹	Large provision	TMP-91 14" Bolt Circle (for 19D Base Option)
DB	Dark Blue		RPXXXY ¹	Receptacle provision in shaft	ADBB1R5 19" Galvanized Steel Direct Burial Base (for field installation)
GH	Graphite		SPXXXY ¹	Small provision	
GN	Green		SBORXXXY ¹	Occupancy sensor provision	
GR	Gray				
PP	Prime Painted				
SL	Silver				
WH	White				
CMC	Customer matching color				
CTBS	Standard color to be selected				
RALxxxxSDCR	RAL Super Durable Corrosion Resistant, 80% Gloss Paint, replace xxxx with RAL number.				
			NOTE		
			1 Replace "XXX" with height from grade (inches), can be up to 3 digits. Must use whole numbers. Leading zeros are not used. Replace Y with orientation from hand hole (A=0, 6=90, C=180, 0=270). Add multiple provisions as necessary to cover each location. Must validate EPA restrictions for banners..		

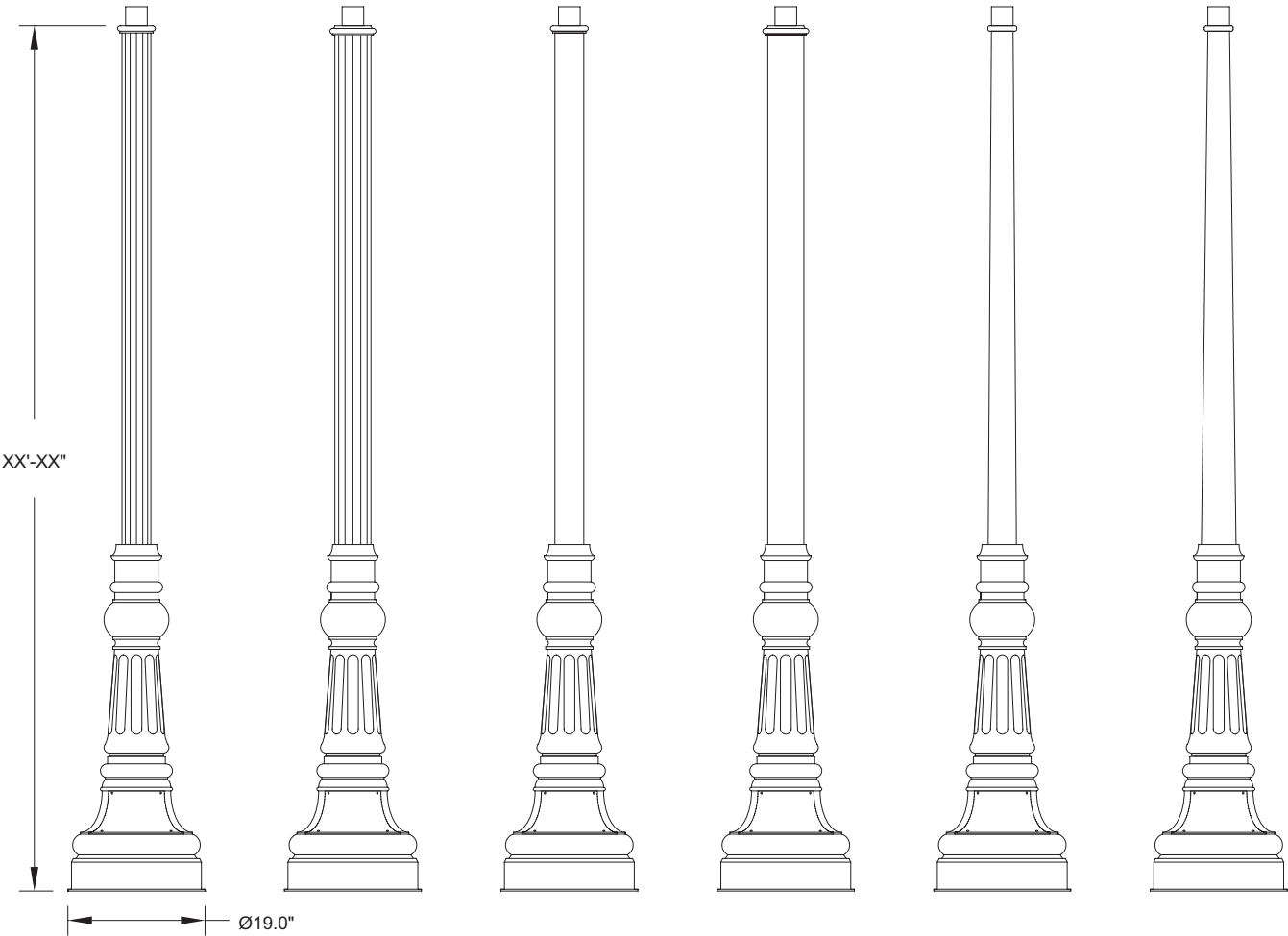
DIMENSIONAL DATA



ANCHORAGE GUIDE



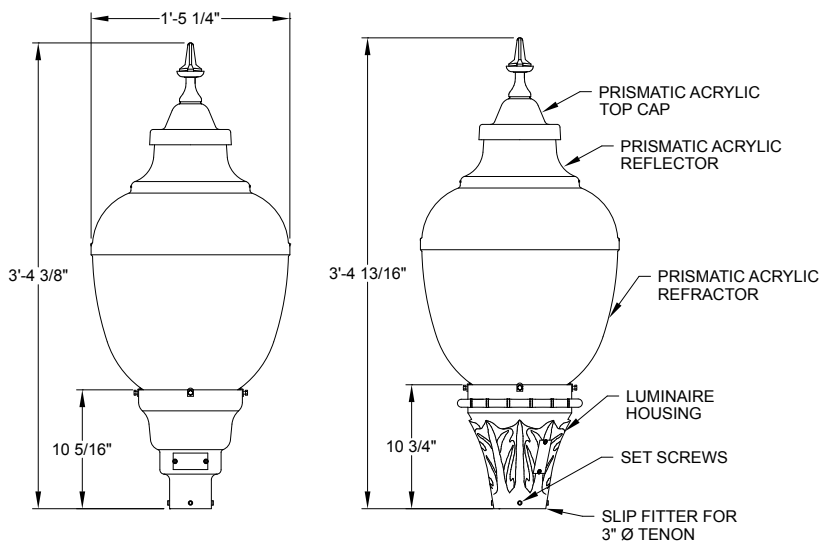
POLE GUIDE



POLE HEIGHT RANGE (For 19" diameter base)

F4C & F4J	F5J	S4C & S4J	S5J	T4C	T5C
8' to 14'	10' to 16'	8' to 14'	10' to 16'	8' to 14'	10' to 16'

Catalog Number	57
Notes	Type



Maximum weight - 37 lbs
Maximum effective projected area - 2.19 sq. ft.

AWDE3

Acrylic Washington Postlite Standard LED3



SPECIFICATIONS

General Description

The Acrylic Washington Postlite Standard LED3 is designed for use with traditional applications fitting 3" tenon post. The large acorn-shaped luminaire, while reminiscent of the 1920's, contains a powerful, stalk-mounted Chip-On-Board LED platform with a precision optical system that maximizes post spacings while maintaining uniform illumination.

Mechanical Specifications

The luminaire housing shall:

- Be heavy grade A360 cast aluminum (aluminum with <1% copper)
- IP55 rated housing, provides enclosure for the electrical module
- Mount to slip-fitter that will accept 3" high by 2-7/8" to 3-1/8" O.D. pole tenon
- Provide four uniquely designed stainless steel spring clips, enclosed in a clear polyvinyl chloride sleeve and adjusted by 1/4-20 hex-head bolts that securely cradle the prismatic acrylic refractor. The same 1/4-20 bolts also support the decorative rib and banding assembly

The finish shall:

- Utilize a polyester power coat paint to ensure maximum durability
- Rigorous multi-stage pre-treating and painting process yields a finish that achieves a scribe creepage rating of 8 (per ASTM D1654) after over 5,000 hours exposure to salt fog chamber (operated per ASTM B117) on standard and RAL finish options.
- RAL (RALxxxxSDCR) paint colors are Super Durable Corrosion Resistant, 80% gloss.

Electrical Specifications

The driver shall meet the following requirements:

- Certified by UL or CSA for wet locations
- A factory programmable electronic driver with 0-10V dimming control leads
- LEDs shall have a minimum of 70 CRI and available in 2700K, 3000K, 4000K, and 5000K CCT
- The electrical system shall be designed to meet ANSI/IEEE C62.41.2 and shall offer a 10kV/5kA surge protection, fail off, as standard with an upgradable 20kV/10kA surge protection, fail off with indicator light, option
- Lumen output can be customized prior to manufacturing by way of FPDxx Options
- The electrical components are mounted on an aluminum plate that is removeable with minimum use of tools.

Optical Specifications

The optical system is IP66 rated and consists of a precisely molded thermal resistant acrylic refractor and top reflector mounted within the decorative acrylic optic. The top reflector redirects over 50% of the upward light into the controlling refractor while allowing a soft up-light component to define the traditional acorn shape of the luminaire. The lower refractor uses precisely molded prisms to maximize the pole spacings while maintaining uniform illuminance. Two refractors are available, designed for IES type III and V distributions.

Control Options

The control options shall include, but not limited to, the following:

- Three (3) choices of button-style photocontrol kits that, specified to match voltage requirements, 120V, 208-277V, and 347V, and colored to match housing color (no 480V options).

Certification and Standards

- Luminaire shall be UL or CSA listed.
- Suitable for operation in an ambient temperature up to 40°C / 105°F per UL or CSA certification
- LM79 compliant
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Government Procurement

BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/resources/buy-american for additional information.

Warranty – 5 Years Limited

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/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.

ORDERING INFORMATION

Example: AWDE3 P40 30K MVOLT CLF AL3 BK MB ST TBK AO

Series	LED Performance Package	LED Color temperature	Voltage	Housing Style
AWDE3 Acrylic Washington Postlite LED3	P10 3,700 nominal lumens	27K 2700K CCT	MVOLT Auto-Sensing 120-277V 50/60HZ	CLF Classic Leaf Casting
	P20 6,000 nominal lumens	30K 3000K CCT	HVOLT Auto-Sensing 347-480V 50/60HZ	SPL Simple Casting
	P30 9,000 nominal lumens	40K 4000K CCT		
	P40 12,000 nominal lumens	50K 5000K CCT		
	P50 13,800 nominal lumens			

Optics	Housing Color	Trim	Finial	Trim Color
AL3 Acrylic, Type III	BK Black	[Blank] No Trim	(Blank) No Finial	(Blank) If No Trim AND No Finial
AL5 Acrylic, Type V	BZ Bronze	FBM Full Cover with Medallions and Band	BL Ball	TBK Black
AL3LU Acrylic, Type III Lunar Optic	GH Graphite	FNT Full Cover only	CL Clear Acrylic 3"	TBZ Bronze
AL5LU Acrylic, Type V Lunar Optic	GN Green	MB Medallions and Band	CR Cross	TGL Gold
	GR Grey	RBM Ribs, Band and Medallions	EG Eagle	TGH Graphite
	PP Prime Paint	FRBM Full Cover, Ribs, Band and Medallions	FL Flower	TGN Green
	WH White		KC Knurled Cap	TGR Grey
	CMC CustomMatchColor Finish		PN Pawn	TPP Prime Paint
	XX STD Finish, TBD		ST Standard	TWH White
	RALxxxxSDCR RAL Super Durable Corrosion Resistant, 80% Gloss Paint, replace xxxx with RAL number.		RM Roman Cross	TCMC Custom Match Color Finish
				TRALxxxxSDCR RAL Super Durable Corrosion Resistant, 80% Gloss Paint, replace xxxx with RAL number.
				TXX STD Finish, TBD

Photocontrol Receptacle	Options: Option Compatibility Matrix on page 3 of 4			
PR7E Dimming PC Receptacle, 7Pin (Under Glass)	DRIVER ELECTRICAL OPTIONS		PREWIRED LEAD OPTIONS	OPTIC OPTIONS
	20KV Extreme surge protection 20kV/10kA, fail off with indicator light		L1H 1.5 ft prewired leads	TB Tucson Black Cover
	FPDxx Factory Programmed Driver		L03 3ft prewired leads	
			L10 10 ft prewired leads	LABEL OPTIONS
			L20 20 ft prewired leads	NL1X1 1" X 1" ANSI Wattage Label
			L25 25 ft prewired leads	NL2X2 2" X 2" ANSI Wattage Label
			L30 30 ft prewired leads	
				OPTIC OPTIONS
				UA Unitized Assembly

Accessories: Order as separate catalog number.		
DECORATIVE BAND OPTIONS	HOUSE-SIDE SHIELD OPTIONS	PHOTOCONTROL KITS
RBMx Ribs and Band Kit, Field installed	GVDHSS90 House Side Shield Solid 90°	GVD12X Button Style Photocontrol Kit with 120V DTL Photocell
(Field installed. For use with units without factory installed ribs and band. Insert trim color for X)	GVDHSS12 House Side Shield Solid 120°	GVD27X Button Style Photocontrol Kit with 208-277V DTL Photocell
	GVDHSS18 House Side Shield Solid 180°	GVD34X Button Style Photocontrol Kit with 347V DTL Photocell
	GVDHSL90 House Side Shield for Lunar Optic Solid 90°	(Insert trim finish for X)
	GVDHSL12 House Side Shield for Lunar Optic Solid 120°	
	GVDHSL18 House Side Shield for Lunar Optic Solid 180°	

OPTIONS MATRIX

AWDE3 (Standard Housing)		Housing Style		LED Package							Voltage		Distribution				Control	Options			Trims			
		CLF	SPL	P10	P20	P30	P40	P50	P60	P70	MVOLT	HVOLT	AL3	AL5	AL3LU	AL5LU	PR7E	20KV	FPDxx	MB	RBM	FNT	FBM	FRBM
Housing Style	CLF		N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	SPL	N		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
LED Package	P10	Y	Y		N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	P20	Y	Y	N		N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	P30	Y	Y	N	N		N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	P40	Y	Y	N	N	N		N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	P50	Y	Y	N	N	N	N		N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	P60	Y	Y	N	N	N	N	N		N	Y	Y	Y	Y	N	N	N	Y	Y	Y	Y	Y	Y	Y
	P70	Y	Y	N	N	N	N	N	N		Y	Y	Y	Y	N	N	N	Y	Y	Y	Y	Y	Y	Y
Voltage	MVOLT	Y	Y	Y	Y	Y	Y	Y	Y	Y		N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	HVOLT	Y	Y	Y	Y	Y	Y	Y	Y	Y	N		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Distributions	AL3	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		N	N	N	Y	Y	Y	Y	Y	Y	Y	Y
	AL5	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N		N	N	Y	Y	Y	Y	N	N	N	N
	AL3LU	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	N	N		N	N	Y	Y	Y	N	N	N	N
	AL5LU	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	N	N	N		N	Y	Y	Y	Y	Y	Y	Y
Control	PR7E	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	N	N		Y	Y	Y	Y	Y	Y	Y
Options	20KV	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		N	Y	Y	Y	Y	Y
	FPDxx	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N		Y	Y	Y	Y	Y
Trims	MB	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		N	N	N	N
	RBM	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	N		N	N	N
	FNT	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	N	N		N	N
	FBM	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	N	N	N		N
	FRBM	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	N	N	N	N	
Covers	FNT	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		N	N
	FBM	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N		N
	FRBM	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	
	TB	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N
House-Side Shield	GVDHSS90	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y
	GVDHSS12	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y
	GVDHSS18	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y
	GVDHSL90	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	N	Y	Y	Y	Y	Y	Y	Y
	GVDHSL12	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	N	Y	Y	Y	Y	Y	Y	Y
Photocontrol Kit with DTL photocell	GVD12*	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	GVD27*	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	GVD34*	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

MATRIX KEY

N = Combination Not available

Y = Valid Option Combination

LUMEN AMBIENT TEMPERATURE (LAT) MULTIPLIERS

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

Ambient Temp		Lumen Multiplier	
°C	°F	P10, P20	P30, P40, P50
0	32	1.03	1.05
5	41	1.03	1.04
10	50	1.02	1.03
15	59	1.01	1.02
20	68	1.01	1.01
25	77	1.00	1.00
30	86	0.99	0.99
35	94	0.98	0.98
40	104	0.98	0.97

PROJECTED LED LUMEN MAINTENANCE

Data references the extrapolated performance projections for the platforms noted in 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.

Lumen Maintenance - LLD (Same for all LED packages)							
Hours	0	25,000	36,000	50,000	60,000	75,000	100,000
Factor for P10-thru-P50	1	0.96	0.94	0.91	0.90	0.87	0.83

The italicized data is extrapolated beyond the TM-21 standard.

PERFORMANCE DATA

Performance Package	Distribution	Input Watts	27K (2700K CCT, 70 CRI)					30K (3000K CCT, 70 CRI)					40K (4000K CCT, 70 CRI)					50K (5000K CCT, 70 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P10	AL3	24	3,193	133	1	4	3	3,624	151	1	4	3	3,692	154	1	4	3	3,759	157	1	4	3
	AL5		3,184	133	2	3	2	3,614	151	2	3	2	3,681	153	3	3	3	3,748	156	3	3	3
	AL3LU		2,480	103	1	3	1	2,815	117	1	3	1	2,867	119	1	3	1	2,920	122	1	3	1
	AL5LU		2,661	111	2	3	1	3,021	126	2	3	1	3,077	128	2	3	1	3,133	131	2	3	1
P20	AL3	40	5,184	130	2	4	3	5,884	147	2	4	3	5,993	150	2	4	3	6,102	153	2	4	3
	AL5		5,168	129	3	4	3	5,866	147	3	4	3	5,975	149	3	4	3	6,084	152	3	4	3
	AL3LU		4,026	101	2	3	2	4,570	114	2	3	2	4,655	116	2	3	2	4,740	119	2	3	2
	AL5LU		4,320	108	2	3	1	4,904	123	2	3	2	4,995	125	3	3	2	5,085	127	3	3	2
P30	AL3	61	7,799	128	2	5	4	8,852	145	2	5	4	9,016	148	3	5	4	9,180	150	3	5	4
	AL5		7,775	127	3	4	3	8,826	145	3	4	4	8,989	147	3	5	4	9,153	150	3	5	4
	AL3LU		6,058	99	2	3	2	6,876	113	2	3	2	7,003	115	2	3	2	7,131	117	2	3	2
	AL5LU		6,499	107	3	3	2	7,377	121	3	3	2	7,514	123	3	3	2	7,651	125	3	3	2
P40	AL3	79	10,396	132	3	5	5	11,801	149	3	5	5	12,019	152	3	5	5	12,238	155	3	5	5
	AL5		10,365	131	4	5	4	11,765	149	4	5	4	11,983	152	4	5	4	12,201	154	4	5	4
	AL3LU		8,075	102	3	4	3	9,166	116	3	4	3	9,336	118	3	4	3	9,506	120	3	4	3
	AL5LU		8,664	110	3	3	2	9,835	124	3	3	2	10,017	127	3	3	2	10,199	129	3	3	3
P50	AL3	97	11,956	123	3	5	5	13,571	140	3	5	5	13,822	142	3	5	5	14,073	145	3	5	5
	AL5		11,920	123	4	5	4	13,530	139	4	5	5	13,781	142	4	5	5	14,031	145	4	5	5
	AL3LU		9,286	96	3	4	3	10,541	109	3	4	3	10,736	111	3	4	3	10,931	113	3	4	3
	AL5LU		9,964	103	3	3	2	11,310	117	3	3	3	11,519	119	3	3	3	11,729	121	3	3	3

FPDXX DATA OPTIONS

FPDxx Setting	Wattage	P10 27K				P10 30K				P10 40K				P10 50K			
AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5
Standard	24	3,193	3,184	2,480	2,661	3,624	3,614	2,815	3,021	3,692	3,681	2,867	3,077	3,759	3,748	2,920	3,133
FPD95	23	3,043	3,034	2,363	2,536	3,454	3,444	2,683	2,879	3,518	3,508	2,732	2,932	3,582	3,572	2,783	2,986
FPD90	22	2,892	2,884	2,246	2,410	3,283	3,273	2,550	2,736	3,344	3,334	2,597	2,787	3,405	3,395	2,645	2,838

FPDxx Setting	Wattage	P20 27K				P20 30K				P20 40K				P20 50K			
AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5
Standard	40	5,184	5,168	4,026	4,320	5,884	5,866	4,570	4,904	5,993	5,975	4,655	4,995	6,102	6,084	4,740	5,085
FPD95	37	4,941	4,926	3,837	4,118	5,608	5,591	4,356	4,674	5,712	5,695	4,437	4,761	5,816	5,799	4,518	4,847
FPD90	36	4,697	4,683	3,648	3,914	5,331	5,315	4,141	4,443	5,430	5,414	4,218	4,526	5,529	5,513	4,295	4,607
FPD85	33	4,452	4,438	3,457	3,710	5,053	5,038	3,925	4,211	5,147	5,131	3,998	4,290	5,240	5,225	4,071	4,367
FPD80	31	4,205	4,192	3,266	3,504	4,773	4,759	3,707	3,978	4,862	4,847	3,776	4,052	4,950	4,935	3,845	4,125
FPD75	29	3,958	3,945	3,073	3,298	4,492	4,478	3,489	3,744	4,575	4,561	3,554	3,813	4,658	4,645	3,619	3,882

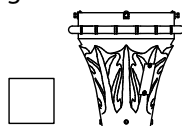
FPDxx Setting	Wattage	P30 27K				P30 30K				P30 40K				P30 50K			
AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5
Standard	61	7,799	7,775	6,058	6,499	8,852	8,826	6,876	7,377	9,016	8,989	7,003	7,514	9,180	9,153	7,131	7,651
FPD95	58	7,741	7,717	6,013	6,451	8,786	8,760	6,825	7,322	8,949	8,922	6,951	7,458	9,112	9,085	7,078	7,594
FPD90	55	7,367	7,345	5,723	6,139	8,362	8,338	6,496	6,969	8,517	8,492	6,616	7,098	8,672	8,647	6,736	7,228
FPD85	52	6,990	6,969	5,430	5,825	7,934	7,911	6,163	6,612	8,081	8,057	6,277	6,735	8,228	8,204	6,392	6,858
FPD80	49	6,610	6,590	5,135	5,508	7,503	7,481	5,828	6,252	7,642	7,619	5,935	6,369	7,781	7,758	6,044	6,485
FPD75	46	6,226	6,207	4,836	5,189	7,067	7,046	5,490	5,889	7,198	7,176	5,591	5,999	7,329	7,307	5,693	6,108

FPDxx Setting	Wattage	P40 27K				P40 30K				P40 40K				P40 50K			
AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5
Standard	79	10,396	10,365	8,075	8,664	11,801	11,765	9,166	9,835	12,019	11,983	9,336	10,017	12,238	12,201	9,506	10,199
FPD95	76	10,239	10,209	7,953	8,533	11,623	11,588	9,028	9,687	11,838	11,802	9,195	9,866	12,053	12,017	9,363	10,045
FPD90	73	9,771	9,742	7,590	8,143	11,092	11,058	8,615	9,244	11,297	11,263	8,775	9,415	11,502	11,468	8,935	9,586
FPD85	69	9,295	9,267	7,220	7,746	10,551	10,519	8,195	8,793	10,746	10,714	8,347	8,956	10,942	10,909	8,499	9,119
FPD80	65	8,810	8,784	6,843	7,343	10,001	9,971	7,768	8,335	10,186	10,155	7,912	8,489	10,371	10,340	8,056	8,643

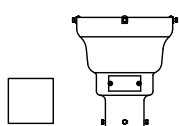
FPDxx Setting	Wattage	P50 27K				P50 30K				P50 40K				P50 50K			
AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5
Standard	97	11,956	11,920	9,286	9,964	13,571	13,530	10,541	11,310	13,822	13,781	10,736	11,519	14,073	14,031	10,931	11,729
FPD95	93	11,932	11,896	9,267	9,944	13,544	13,503	10,520	11,287	13,794	13,753	10,714	11,496	14,045	14,003	10,909	11,705
FPD90	88	11,399	11,364	8,853	9,500	12,939	12,899	10,050	10,783	13,178	13,139	10,236	10,982	13,417	13,377	10,422	11,182
FPD85	83	10,854	10,822	8,430	9,046	12,321	12,283	9,570	10,268	12,548	12,511	9,747	10,458	12,776	12,738	9,924	10,648

Mark Appropriate Box for Trim Option

Housing

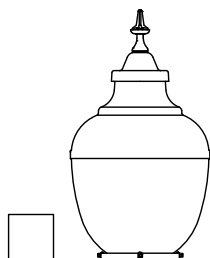


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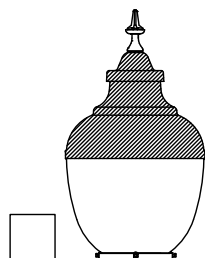


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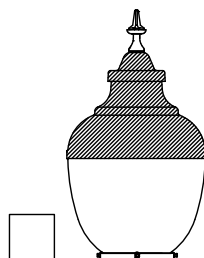
Cover



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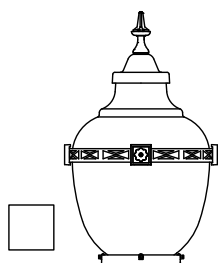
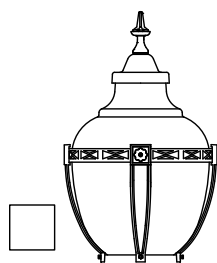
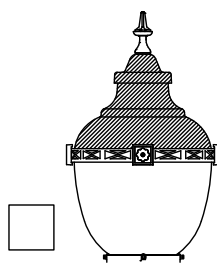
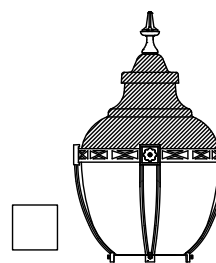
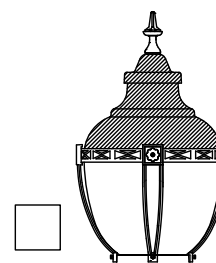


Full Cover (FNT)

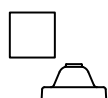


Top Black (TB)

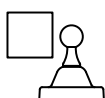
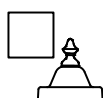
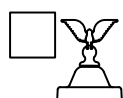
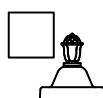
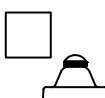
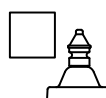
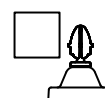
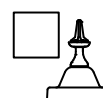
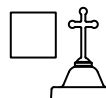
Ribs

Medallions
and Band (MB)Ribs and Band
(RBM)Medallions, Band,
and Full Cover
(FBM)Ribs, Band,
and Full Cover
(FRBM)Ribs, Band,
and Top Black
(TB & RBMX)

Finial



(NO FINIAL)

BALL
(BL)CLEAR
(CL)EAGLE
(EG)FLOWER
(FL)KNURLED
(KC)PAWN
(PN)CROSS
(CR)STANDARD
(ST)ROMAN
CROSS
(RM)

OPTIONAL COMPONENTS



20KV

Safeguard your investment from extreme voltage spikes with our new Extreme 20kV/10kA SPD

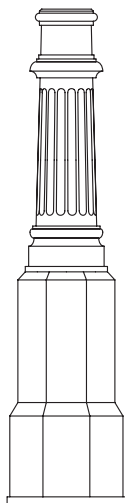


City Of Nampa Decorative Luminaire Standards

Catalog Number	65
Notes	Type

BLA

Burlington Aluminum Pole



11S

SPECIFICATIONS

General Description

The lighting post shall be all aluminum, one-piece construction, with a classic tapered and fluted base design.

Materials

- The base and fluted tapered cast shaft shall be heavy wall, cast aluminum produced from certified ASTM 356.1 ingot per ASTM B-179-95a or ASTM B26-95.
- The straight shafts shall be extruded from aluminum, ASTM 6061 alloy, heat treated to a T6 temper.
- The tapered shaft shall be extruded from aluminum, ASTM 6063 alloy, spun to a tapered shape, then heat treated to a T6 temper.
- All hardware shall be tamper resistant stainless steel.
- Anchor bolts to be completely hot dip galvanized.
- Utilize a polyester powder coat paint to ensure maximum durability.
- Rigorous multi-stage pre-treating and painting process yields a finish that achieves a scribe creepage rating of 8 (per ASTM D1654) after over 5,000 hours exposure to salt fog chamber (operated per ASTM B117) on standard and RAL finish options.
- RAL (RALxxxxSDCR) paint colors are Super Durable Corrosion Resistant, 80% gloss.

Construction

- The shaft shall be double welded to the base casting and shipped as one piece for maximum structural integrity.
- The shaft shall be welded inside the base casting at the top of the access door, and externally where the shaft exits the base.
- All welding shall be per ANSI/AWS

Dimensions

- The post height shall range from 8' to 14' with a 11" classic tapered and fluted base design.
- At the top of the post, an integral tenon with a transitional donut shall be provided for luminaire mounting.

Installation

- The post shall be provided with four, hot dip galvanized L-type anchor bolts.
- A door shall be provided in the base for anchorage and wiring access.
- A grounding screw shall be provided inside the base opposite the door.

Warranty

1-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/support/warranty/terms-and-conditions

IMPORTANT INSTALLATION NOTES:

- **Do not** erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Acuity Brands Lighting will not accept claim for incorrect anchorage placement due to failure to use factory template.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Acuity Brands Lighting is not responsible for the foundation design.

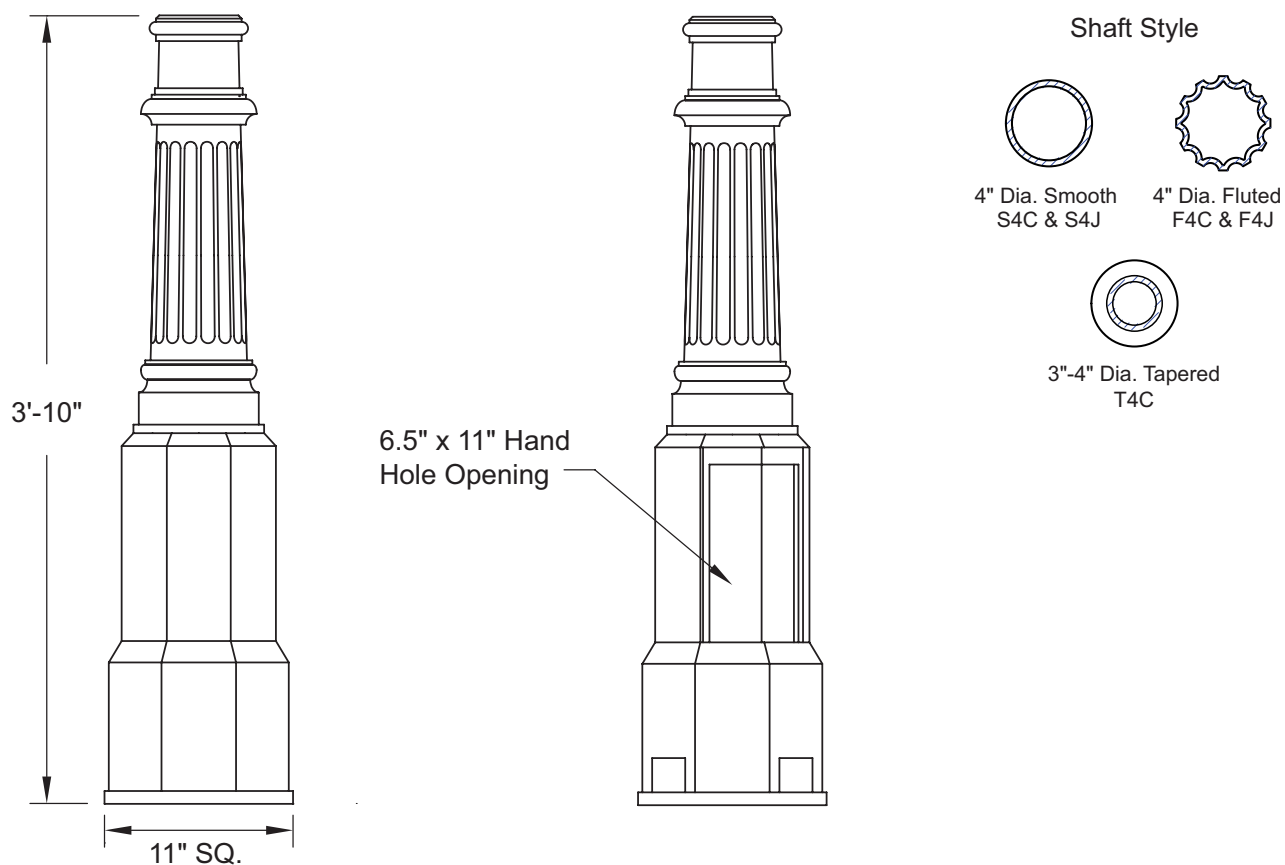
Note: Actual performance may differ as a result of end-user environment and application.
Specifications subject to change without notice.

ORDERING INFORMATION

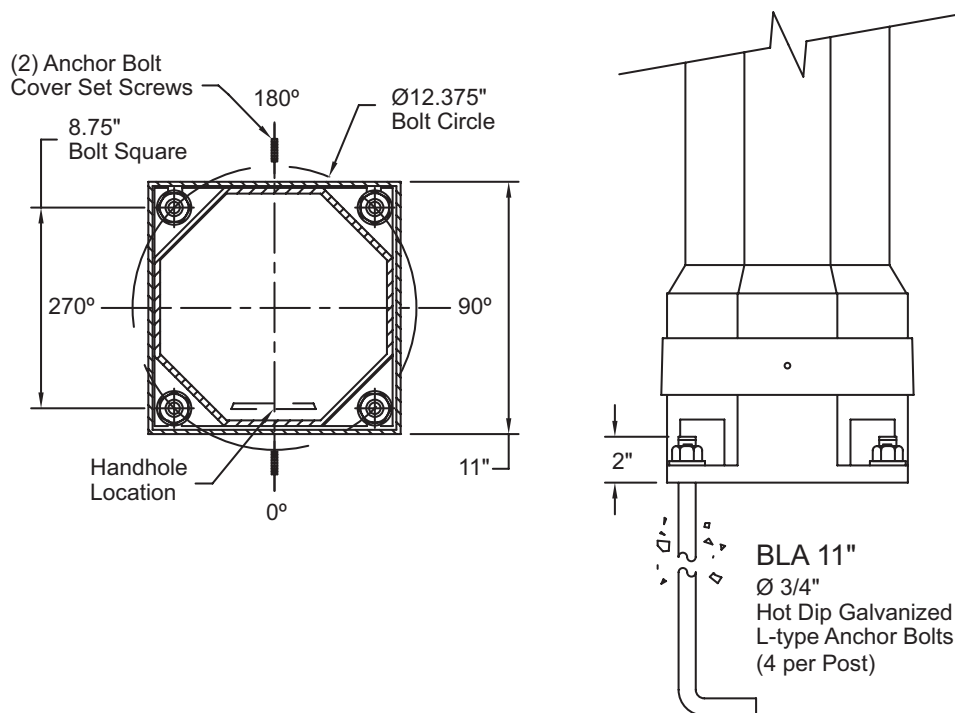
Post	Height	Shaft Style	Base	Tenon
BLA Burlington aluminum pole	08 8'	<u>Fluted Shaft</u>	115 11" Base, Square Pattern Bolt Circle	C03 3X3 Tenon, (actual size 2.88 O.D. x 3" LG.)
	09 9'	F4C 4" diameter .125 wall		C04 3X4 Tenon, (actual size 2.88 O.D. X 4" LG.)
	10 10'	F4J 4" diameter .25 wall		C05 3X5 Tenon, (actual size 2.88 O.D. X 5" LG.)
	11 11'	<u>Smooth Shaft</u>		C06 3X6 Tenon, (actual size 2.88 O.D. X 6" LG.)
	12 12'	S4C 4" diameter .125 wall		C08 3X8 Tenon, (actual size 2.88 O.D. X 8" LG.)
	13 13'	S4J 4" diameter .25 wall		C09 3X9 Tenon, (actual size 2.88 O.D. X 9" LG.)
	14 14'	<u>Tapered Shaft</u>		C12 3X12 Tenon, (actual size 2.88 O.D. X 12" LG.)
		T4C 3 inch to 4 inch .125 wall		C14 3X14 Tenon, (actual size 2.88 O.D. X 14" LG.)
		NOTE Refer to Pole Guide on page 4 for height based on Shaft Style.	PLN Pole Cap, Not available with T4C	

Finish	Options	Welded Provisions	Accessories: Order as separate catalog number.
BK Black	ABG Anchor Bolts Galvanized Steel	EXXXY ¹ Provision for eye bolt	AB-26-4 3/4" Anchor bolt set, galvanized steel
BZ Bronze	DBB Direct Burial Base Galvanized Steel	LXXXY ¹ Large provision.	ADBB152 17" Galvanized steel direct burial base
CMC Customer matched color		RXXXY ¹ Receptacle provision	TMP-86 12.375" Bolt Circle; 11" base
CTBS Standard color to be determined		SBORXXXY ¹ Occupancy sensor provision	
DB Dark Blue		SXXXY ¹ Small provision	
GH Graphite			
GN Green			
GR Gray			
PP Prime Painted			
RALxxxxSDCR RAL Super Durable Corrosion Resistant, 80% Gloss Paint, replace xxxx with RAL number.		NOTE 1 Replace "XXX" with height from grade (inches), can be up to 3 digits. Must use whole numbers. Leading zeros are not used. Replace Y with orientation from hand hole (A=0, B=90, C=180, D=270). Add multiple provisions as necessary to cover each location. Must validate EPA restrictions for banners.	
SL Silver			
WH White			

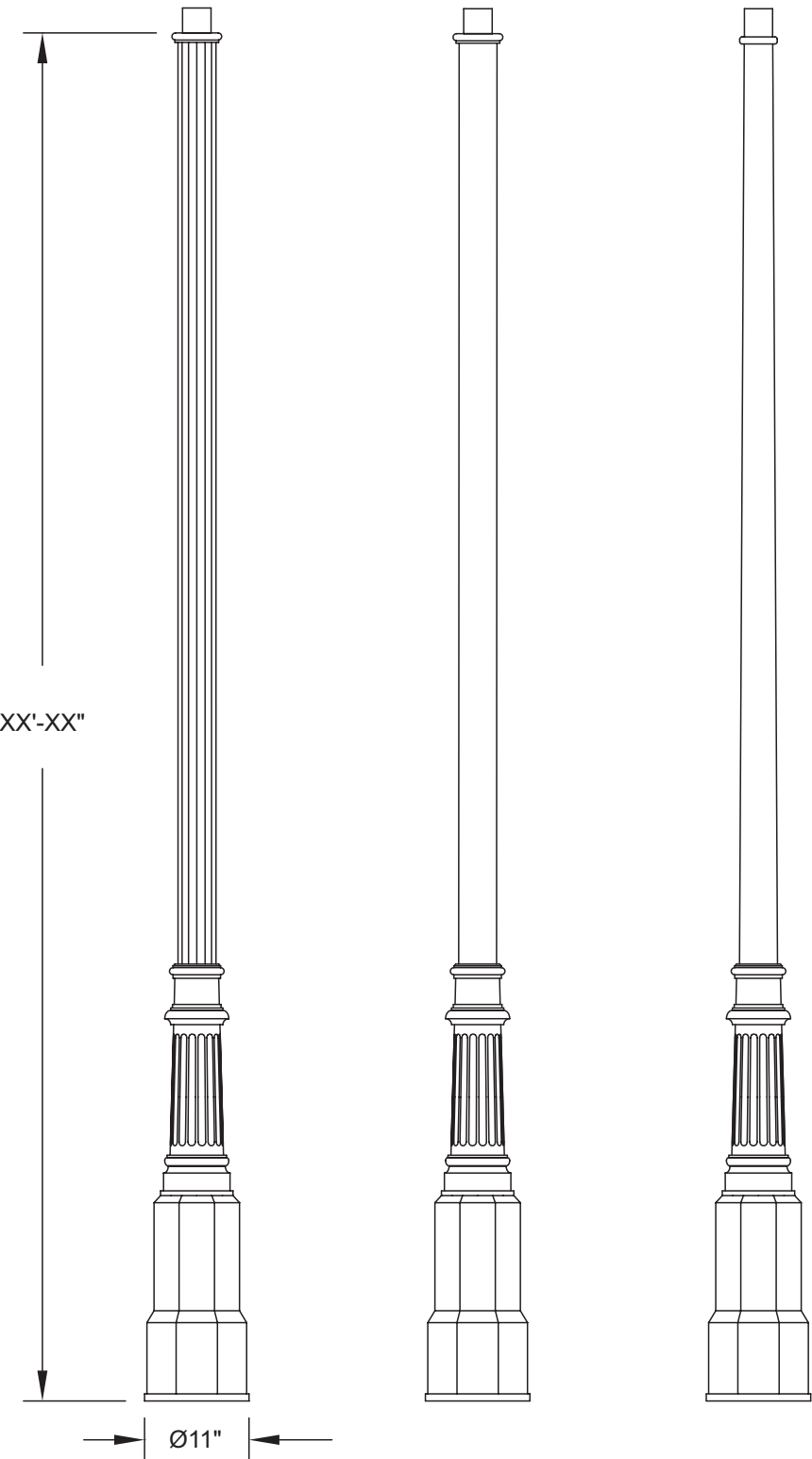
DIMENSIONAL DATA



ANCHORAGE GUIDE



POLE GUIDE



POLE HEIGHT RANGE (For 8" & 14" diameter base)

F4C & F4J	S4C & F4J	T4C
8' to 14'	8' to 14'	8' to 14'

Catalog Number	69
Notes	Type

ARUE3

Utility Arlington Posttop LED



SPECIFICATIONS

General Description

The decorative post top lantern is ideal for lighting city streets, residential areas, campuses, parking lots, and walkways. The architectural luminaire consists of a luminaire housing, a prismatic optic, and a decorative cover.

Optical Assembly

The optical assembly consists of a prismatic glass or acrylic refractor to precisely distribute light with excellent visual comfort and reduced glare. Configurable with CCT options of 2700K, 3000K, and 4000K. CRI is 70 minimum. Available in symmetric and asymmetric.

Electrical Assembly

The cast aluminum electrical housing allows tool-less access with a spring loaded latch. The hidden hinge allows the door to swing open and remain open for easy access. A (3) station terminal block is provided to accept #14 through #2 size wire. The programmable LED driver includes 0-10V dimming with optional DALI dimming. Driver is available in 120-277V, 347-480V, and 277V-480V options (50/60 Hz). Driver life is rated to at least 100,000 hours. The 277V-480V (XVOLT) option includes enhanced power quality protection for maximum robustness against loss of neutral, voltage transients, harmonic disturbances, and other real-world power quality disturbances.

Finish

The luminaire housing and decorative cover are low copper die cast aluminum and finished with corrosion resistant super durable powder coat paint for maximum durability. Rigorous multi-stage pre-treating and painting process yields a finish that achieves a scribe creepage rating of 8 (per ASTM D1654) after over 5,000 hours exposure to salt fog chamber (operated per ASTM B117)

Mounting

Luminaire includes an integral slipfitter that accepts a 3" tall by Ø2-7/8" - 3-1/8" O.D. tenon. Secured to the tenon by 6 set screws

Control Options

Optional controls include:

- Field adjustable output (AO) module for manual adjustment of lumen output of the luminaire
- Industry standard 7-pin NEMA photocontrols, optionally mounted inside the housing or externally in place of the finial
- "nLight AIR enabled" for connection to nLight AIR wireless control networks via internally mounted antenna (NLTAIR2) or via motion-sensing photocontrol (RSBOR6).
- DALI compatible drivers. Contact factory for details.
- Customization of lumen packages is possible. Consult factory for details.

Listing

The luminaire is CSA certified to US and Canadian standards. 20kV/10kA extreme surge protection per ANSI/IEEE C136.2. Suitable for operation in ambient temperatures from -40°C to 40°C. Optical chamber is sealed to IP66. DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Government Procurement

BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/resources/buy-american for additional information.

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/support/warranty/terms-and-conditions

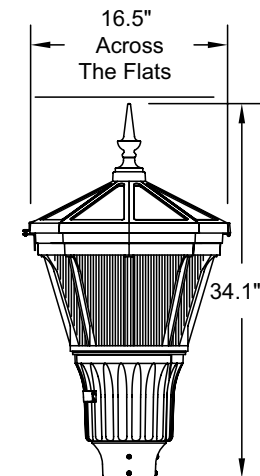
Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

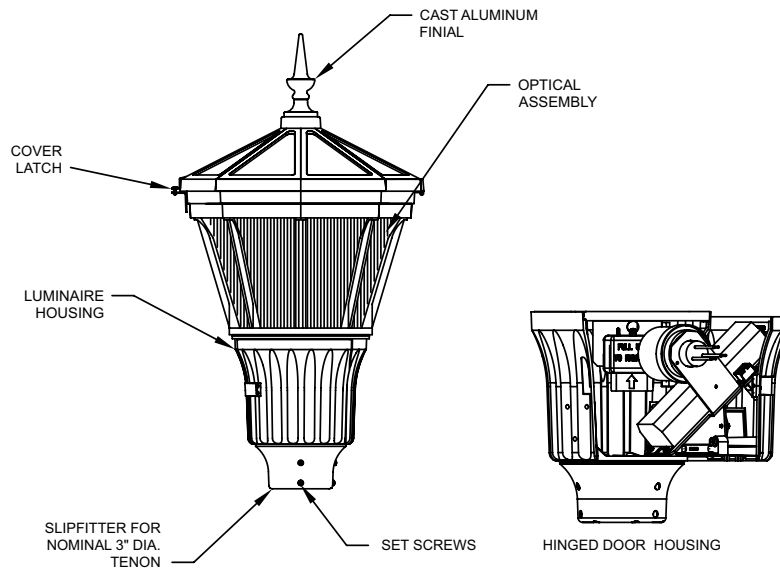
Specifications subject to change without notice.



DIMENSIONAL DATA



Maximum Weight 45 lbs
Maximum Effective Projected Area:
1.4 sq. ft.



ORDERING INFORMATION

Example: ARUE3 P30 30K MVOLT GL3 BK SK PR7

Housing Style	LED Performance Package	Color Temperature	Voltage	Optics	Color	Finial
ARUE3 Utility Arlington LED Post Top	P10 30W nominal	27K 2700K CCT	MVOLT 120-277V	<u>Acrylic Refractor</u>	BK Black	BL Ball
	P20 40W nominal	30K 3000K CCT	HVOLT 347-480V	AL3 Acrylic refractor type 3	BZ Bronze	SK Spike
	P30 50W nominal	40K 4000K CCT	XVOLT 277-480V with enhanced power quality protection	AL5 Acrylic refractor type 5	CMC Custom matched color	NF None
	P40 60W nominal			<u>Glass Refractor</u>	GH Graphite	
	P50 70W nominal			GL3 Glass refractor type 3	GN Green	
	P60 80W nominal				GR Grey	
	P70 90W nominal			GL5 Glass refractor type 5	RALxxxxSDCR RAL Super Durable Corrosion Resistant, 80% Gloss Paint, replace xxxx with RAL number.	
	P80 100W nominal				WH White	

Options		
<u>Control Options:</u>	<u>NEMA Label Options:</u>	<u>Prewire Lead Options:</u>
A0 Field adjustable output	NL1x1 1"x1" ANSI wattage label	L1H 1.5' of prewire leads
RSBOR6 nLight Air motion sensing photocontrol	NL2x2 2"x2" ANSI wattage label	L03 3' of prewire leads
NLTAIR2 nLight AIR r10 2.0 antenna		L10 10' of prewire leads
PR7 7-pin NEMA twistlock receptacle, internally mounted		L20 20' of prewire leads
PR7E 7-pin NEMA twistlock receptacle, replaces finial		L25 25' of prewire leads
P34 Long Life DTL Twistlock Photocontrol for Solid State, 347V		L30 30' of prewire leads
P48 Long Life DTL Twistlock Photocontrol for Solid State, 480V		
PCLL Long Life DTL Twistlock Photocontrol for Solid State, MVOLT		
SH Shorting cap		
DALI DALI driver (RFD Required)		

Accessories: Order as separate catalog number.	
<u>House Side Shield Field Installed Options:</u>	
PHSS90	House side shield perforated 90 degree
PHSS120	House side shield perforated 120 degree
PHSS180	House side shield perforated 180 degree
<u>Surge Replacement Field Installed Options:</u>	
SPDPLUGIN-MVOLT-20KV	Replacement for 120-277V 20KV/ 10KA
SPDPLUGIN-HVOLT-20KV	Replacement for 347-480V 20KV/ 10KA

MARK APPROPRIATE BOX FOR FINIAL OPTION

FINIALS

☐ No Finial (NF)

☐ Ball (BL)


☐ Spike (SK)


PERFORMANCE DATA

Performance Package	System Watts	Optical Distribution	27K (2700K, 70 CRI)		30K (3000K, 70 CRI)		40K (4000K, 70 CRI)	
			Lumens	LPW	Lumens	LPW	Lumens	LPW
P10	31	GL3	3,052	98	3,334	107	3,408	110
		GL5	3,012	97	3,291	106	3,364	108
		AL3	3,224	104	3,522	113	3,600	116
		AL5	3,088	99	3,373	108	3,448	111
P20	40	GL3	4,015	99	4,386	108	4,484	111
		GL5	3,963	98	4,329	107	4,425	109
		AL3	4,241	105	4,633	114	4,736	117
		AL5	4,062	100	4,437	110	4,536	112
P30	51	GL3	4,938	98	5,394	107	5,515	109
		GL5	4,874	96	5,324	105	5,443	108
		AL3	5,216	103	5,697	113	5,825	115
		AL5	4,996	99	5,457	108	5,579	110
P40	59	GL3	5,952	100	6,501	110	6,646	112
		GL5	5,874	99	6,416	108	6,559	111
		AL3	6,286	106	6,867	116	7,020	118
		AL5	6,021	102	6,577	111	6,724	113
P50	70	GL3	6,844	98	7,476	107	7,642	110
		GL5	6,755	97	7,378	106	7,543	108
		AL3	7,229	104	7,896	113	8,072	116
		AL5	6,924	99	7,563	108	7,732	111
P60	80	GL3	7,621	96	8,325	105	8,511	107
		GL5	7,522	95	8,216	103	8,400	106
		AL3	8,050	101	8,793	110	8,989	113
		AL5	7,711	97	8,422	106	8,610	108
P70	90	GL3	8,417	93	9,193	102	9,399	104
		GL5	8,307	92	9,074	101	9,276	103
		AL3	8,890	99	9,711	108	9,927	110
		AL5	8,515	95	9,301	103	9,509	106
P80	100	GL3	9,078	91	9,915	99	10,137	101
		GL5	8,959	89	9,786	98	10,005	100
		AL3	9,588	96	10,473	105	10,707	107
		AL5	9,184	92	10,031	100	10,256	102

OPTIONS MATRIX

		Voltage			Optic				Finial			Control				Photocontrol Receptacle		Photocontrol			
		MVOLT	HVOLT	XVOLT	GL3	GL5	AL3	AL5	BL	SK	NF	AO	DALI	RSBOR6	NLTAIR2	PR7	PR7E	PCLL	P34	P48	SH
Performance Package	P10	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	Y
	P20	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	Y
	P30	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	Y
	P40	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	Y
	P50	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	Y
	P60	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	Y
	P70	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	Y
	P80	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	Y
Voltage	MVOLT				Y	Y	Y	Y	Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	N	N	Y
	HVOLT				Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N	Y	Y	Y
	XVOLT				Y	Y	N	N	Y	Y	Y	Y	N	N	N	Y	Y	Y	Y	Y	Y
Optic	GL3	Y	Y	Y					Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	Y
	GL5	Y	Y	Y					Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	Y
	AL3	Y	Y	N					Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	Y
	AL5	Y	Y	N					Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	Y
Finial	BL	Y	Y	Y	Y	Y	Y	Y				Y	RFD	Y	Y	Y	N	Y	Y	Y	Y
	SK	Y	Y	Y	Y	Y	Y	Y				Y	RFD	Y	Y	Y	N	Y	Y	Y	Y
	NF	Y	Y	Y	Y	Y	Y	Y				Y	RFD	Y	Y	Y	Y	Y	Y	Y	Y
Control	AO	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y					Y	Y	Y	Y	Y	Y
	DALI	RFD	N	N	RFD	RFD	RFD	RFD	RFD	RFD	RFD					RFD	RFD	RFD	RFD	RFD	RFD
	RSBOR6	Y	Y	N	Y	Y	Y	Y	Y	Y	Y					N	N	N	N	N	N
	NLTAIR2	Y	Y	N	Y	Y	Y	Y	Y	Y	Y					N	N	N	N	N	N
Photocontrol Receptacle	PR7	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD	N	N			Y	Y	Y	Y
	PR7E	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	RFD	N	N			Y	Y	Y	Y
Photocontrol	PCLL	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD	N	N	Y	Y				
	P34	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD	N	N	Y	Y				
	P48	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD	N	N	Y	Y				
	SH	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD	N	N	Y	Y				

OPTIONS MATRIX Legend
Y = Option combination is available
N = Option combination is not available
RFD = Additional information required, consult factory

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

Average Lumen Ambient Temperature (LAT) Multipliers		
Temperature °C	Temperature °F	Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.03
10°C	50°F	1.02
15°C	59°F	1.01
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	0.98

Projected LED Lumen Maintenance
Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 9,000 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.

LED Lumen Maintenance							
Performance Package	Initial	25,000 hours	36,000 hours	50,000 hours	60,000 hours	75,000 hours	100,000 hours
P10 thru P70	1.00	0.95	0.94	0.91	0.90	0.88	0.84
P80	1.00	0.94	0.91	0.89	0.86	0.83	0.79

The italicized data is extrapolated beyond the TM-21 standard.



The Rapid Ship Pole and Luminaire program provides quick solutions for urgent needs.
The most popular and readily available are available for those urgent projects. Select from the following options to get up to 20 units shipped in 20 working days or less!

ORDERING INFORMATION

Example: ARUE3 P30 30K MVOLT GL3 BK SK PR7

Series	LED Performance Package	LED Color Temperature	Voltage	Optics	Housing Colors	Finial
ARUE3 Utility Arlington LED Post Top	P10 30W nominal	27K 2700K CCT	MVOLT Auto-Sensing 120-277V 56/60 HZ	GL3 Glass, Type III	BK Black	BL Ball
	P20 40W nominal	30K 3000K CCT	HVOLT Auto-Sensing 347-480V 56/60 HZ	GL5 Glass, Type V	BZ Bronze	SK Spike
	P30 50W nominal	40K 4000K CCT			GH Graphite	NF None
	P40 60W nominal				GN Green	
	P50 70W nominal				GR Grey	
	P60 80W nominal				WH White	
	P70 90W nominal					
	P80 100W nominal					

Options		
Control Options:	Prewire Lead Options:	NEMA Label Options:
AO Field Adjustable Output	L1H 1.5 ft prewired leads	NL1X1 1"X1" ANSI Wattage Label
PR7 NEMA twistlock dimming photocontrol receptacle - 7 pin	L03 3 ft prewired leads	NL 2x2 2"X2" ANSI Wattage Label
PR7E NEMA twistlock dimming photocontrol receptacle - 7 Pin (Under Glass)	L10 10 ft prewired leads	
PCLL Long Life DTL Twistlock Photocontrol for Solid State, MVOLT	L20 20 ft prewired leads	
SH Shorting Cap		

Accessories: Order as separate catalog number.	
House Side Shield Options:	
PHSS90	House Side shield perforated 90°
PHSS12	House Side shield perforated 120°
PHSS18	House Side shield perforated 180°

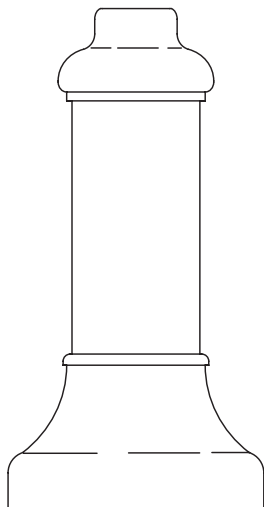


City Of Hailey Decorative Luminaire Standards

Catalog Number	75
Notes	Type

RHA

Rockford Harbor Aluminum Pole



18D

SPECIFICATIONS

General Description

The lighting post shall be all aluminum, one-piece construction, with a hexagonal fluted and tapered base design.

Materials

- The base and fluted tapered cast shaft shall be heavy wall, cast aluminum produced from certified ASTM 356.1 ingot per ASTM B-179 or ASTM B26.
- The straight shafts shall be extruded from aluminum, ASTM 6061 alloy.
- The tapered shaft shall be extruded from aluminum, ASTM 6063 alloy, spun to a tapered shape.
- All hardware shall be tamper resistant stainless steel.
- Anchor bolts to be completely hot dip galvanized.
- Utilize a polyester powder coat paint to ensure maximum durability.
- Rigorous multi-stage pre-treating and painting process yields a finish that achieves a scribe creepage rating of 8 (per ASTM D1654) after over 5,000 hours exposure to salt fog chamber (operated per ASTM B117) on standard and RAL finish options.
- RAL (RALxxxxSDCR) paint colors are Super Durable Corrosion Resistant, 80% gloss.

Construction

- The shaft shall be double welded to the base casting and shipped as one piece for maximum structural integrity.
- The shaft shall be welded inside the base casting at the top of the access door, and externally where the shaft exits the base.
- All welding shall be per ANSI/AWS.

Dimensions

- The post height shall range from 8' to 16' with a 18" diameter base.
- At the top of the post, an integral tenon with a transitional donut shall be provided for luminaire mounting.

Installation

- The post shall be provided with four, hot dip galvanized L-type anchor bolts.
- A door shall be provided in the base for anchorage and wiring access.
- A grounding screw shall be provided inside the base opposite the door.

Warranty

1 Years Limited. 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/support/customer-support/terms-and-conditions

IMPORTANT INSTALLATION NOTES:

- **Do not** erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Acuity Brands Lighting will not accept claim for incorrect anchorage placement due to failure to use factory template.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Acuity Brands Lighting is not responsible for the foundation design.

Note: Actual performance may differ as a result of end-user environment and application.
Specifications subject to change without notice.

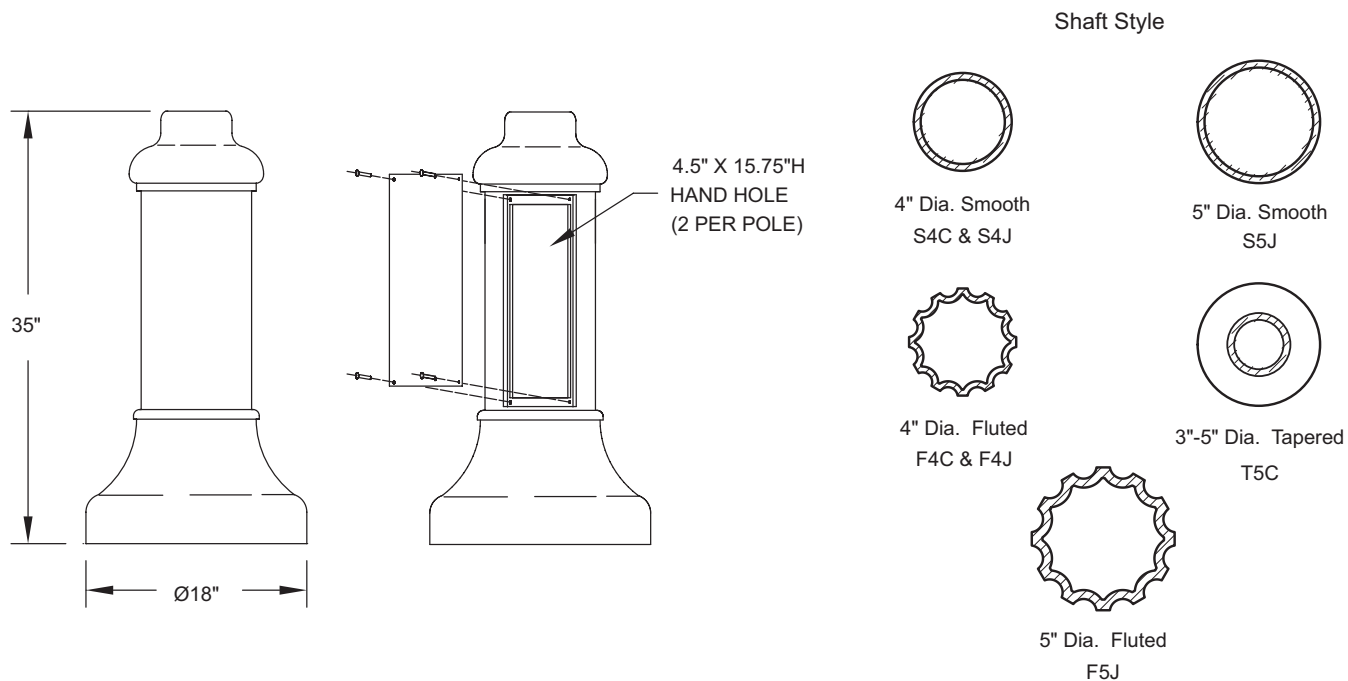
ORDERING INFORMATION

Example: PLA 14 S4C 10S C03 BK

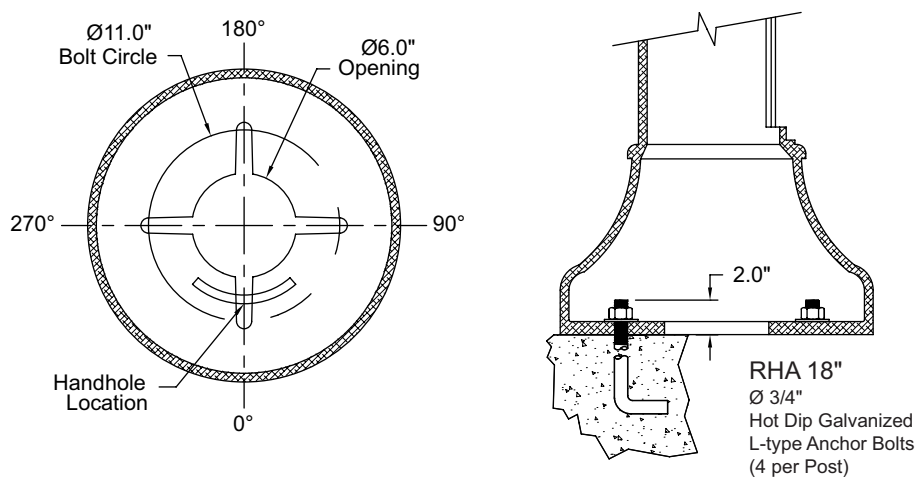
Post	Height	Shaft Style	Base	Tenon
RHA Rockford Harbor Aluminum Pole	08 8 Feet	Fluted Shaft	18D 18" Round, Diamond Pattern Bolt Circle	C03 3X3 Tenon, (actual size 2.88 O.D. x 3" LG.)
	09 9 Feet	F4C 4" diameter, .125 Wall		C04 3X4 Tenon, (actual size 2.88 O.D. X 4" LG.)
	10 10 Feet	F4J 4" diameter, .25 Wall		C05 3X5 Tenon, (actual size 2.88 O.D. X 5" LG.)
	11 11 Feet	F5J 5" diameter, .25 Wall		C06 3X6 Tenon, (actual size 2.88 O.D. X 6" LG.)
	12 12 Feet	Smooth Shaft		C08 3X8 Tenon, (actual size 2.88 O.D. X 8" LG.)
	13 13 Feet	S4C 4" diameter, .125 Wall		C09 3X9 Tenon, (actual size 2.88 O.D. X 9" LG.)
	14 14 Feet	S4J 4" diameter, .25 Wall		C12 3X12 Tenon, (actual size 2.88 O.D. X 12" LG.)
	15 15 Feet	S5J 5" diameter, .25 Wall		C14 3X14 Tenon, (actual size 2.88 O.D. X 14" LG.)
	16 16 Feet	Tapered Shaft		E08 ¹ 3-1/2X8 Tenon, (actual size 3.5 O.D. X 8" LG.)
		T4C 3" to 4" diameter, .125 Wall		G08 ¹ 4-3/8X8 Tenon, (actual size 4.38 O.D. X 8" LG.)
		T5C 3" to 5" diameter, .125 Wall		G12 ¹ 4-3/8X12 Tenon, (actual size 4.38 O.D. X 12" LG.)
				H10 ¹ 4-1/2X10 Tenon, (actual size 4.5 O.D. X 10" LG.)
NOTE: Refer to Pole Guide on page 4 for height based on Shaft Style.				PLN ² Plain pole cap - no tenon VGP ¹ VGC Plate NOTE 1 Only available with F5J and S5J shaft styles 2 Not available with T4C or T5C shaft styles

Finish	Options	Welded Provisions	Accessories: Order as separate catalog number.
BK Black	DBB Direct Burial Base Galvanized Steel (18" Base = ADBB1 R5)	EPXXXY ² Provision for eye bolt	AB-31-4 3/4" Anchor bolt set, galvanized steel
BZ Bronze		LPXXXY ² Large provision	ADBB1R4 18" Galvanized steel direct burial base
CMC Customer matched color	GRD 1/2 Copper Grounding Lug	RPXXXY ² Receptacle provision	BWKT 1800R 1100BC 075AB XX "18"" Breakaway Kit
CTBS Standard color to be determined		SBORXXXY ² Occupancy sensor provision.	TMP-80 11" Bolt Circle (for 18D Base Option)
DB Dark Blue		SPXXXY ² Small provision	
GH Graphite			
GN Green			
GR Gray			
PP Prime Painted			
RALxxxxSDCR RAL Super Durable Corrosion Resistant, 80% Gloss Paint, replace xxxx with RAL number.		NOTE 2 Replace ""XXX"" with height from grade (inches), can be up to 3 digits. Must use whole numbers. Leading zeros are not used. Replace Y with orientation from hand hole (A=0, B=90, C=180, D=270). Add multiple provisions as necessary to cover each location. Must validate EPA restrictions for banners.	NOTE 3 The Direct Burial Base and Breakaway Kits & Transpo Couplings cannot be specified together.
SL Silver			
WH White			

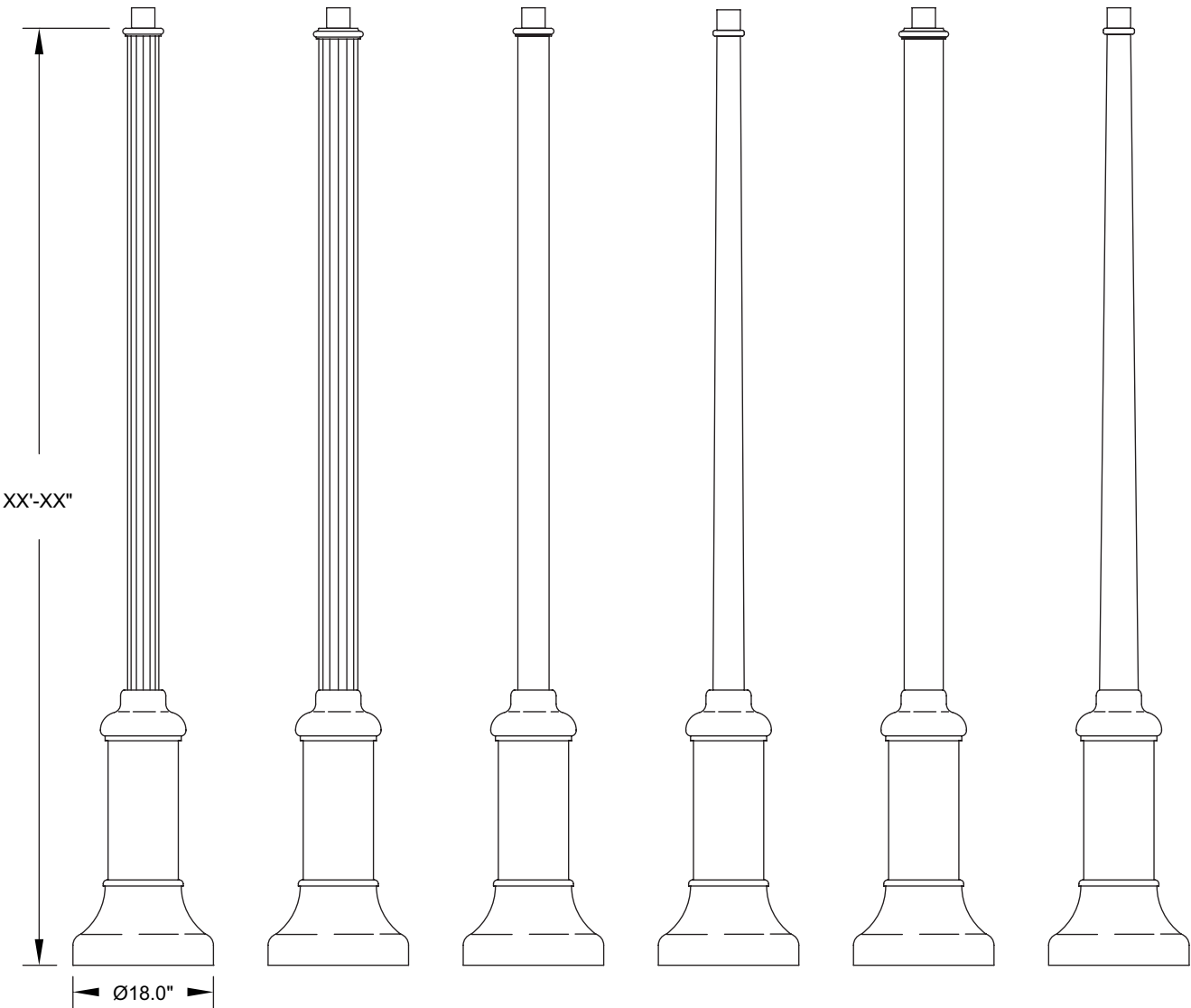
DIMENSIONAL DATA



ANCHORAGE GUIDE



POLE GUIDE

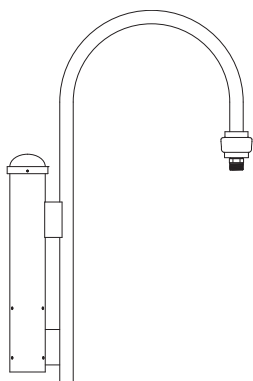


POLE HEIGHT RANGE (For 18" diameter base)

F4C & F4J	F5J	S4C & S4J	T4C	S5J	T5C
8' to 14' Only	10' to 16' Only	8' to 14' Only	10' to 16' Only	8' to 14' Only	10' to 16' Only

CRB

Cordoba GlasWerks Aluminum Roadway Arm



Catalog Number	79
Notes	Type

General Description

The roadway arms shall be all aluminum, one-piece construction. The arms shall consist of a post or wall bracket mounting piece, a bent tube arm, and an end piece for luminaire mounting. The wall bracket shall have a flat aluminum wall plate for mounting. All welding shall be per ANSI/AWS D1.2. All welders shall be certified per ANSI/AWS D1.2.

Materials

- The post mounting piece and bent tube arm shall be from ASTM 6061 alloy.
- All hardware shall be stainless steel.
- If chosen, the QSM luminaire mounting will be cast aluminum produced from certified ASTM 356.1 ingot per ASTM B179 or ASTM B26.

Installation

- The tenon fitter is designed to slipfit a 4-3/8" O.D. by 12 inch (G12) tall tenon and attach with socket set screws
- Arms shall have either a QSM (Quick Stem Mount) or a 1-1/2 NPT male threaded end to match the same mounting style on a luminaire
- The wall bracket shall have clearance holes for mounting to the wall (wall mounting hardware furnished by others)
- All hardware shall be tamper resistant stainless steel

Finish

- Utilize a polyester powder coat paint to ensure maximum durability.
- Rigorous multi-stage pre-treating and painting process yields a finish that achieves a scribe creepage rating of 8 (per ASTM D1654) after over 5,000 hours exposure to salt fog chamber (operated per ASTM B117) on standard and RAL finish options.
- RAL (RALxxxxSDCR) paint colors are Super Durable Corrosion Resistant, 80% gloss.

Warranty

1-year limited warranty. Complete warranty terms located at (Holophane Pole Warranty): www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

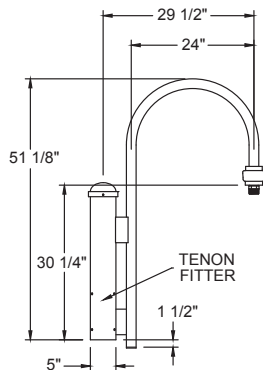
ORDERING INFORMATION

Example: CRB 30IN 1A TN QSM BK

Series	Height/Length	Number of Arms/Orientation	Arm Connection	Luminaire Mounting	Finish
CRB Cordoba GlasWerks Aluminum Roadway Arm	30IN 30 Inches	1A Single Roadway Arm 2A Double Roadway Arm, 2 single arms @ 180°	TN Tenon mount. WB Wall Bracket Mount	NPT 1-1/2" NPT QSM Quick Stem Mount	BK Black BZ Bronze CMC Customer matching color CTBS Standard color to be selected DB Dark Blue GN Green GH Graphite GR Gray PP Prime Painted RALxxxxSDCR RAL Super Durable Corrosion Resistant, 80% Gloss Paint, replace xxxx with RAL number SL Silver WH White
			Note: WB only available with 1A		

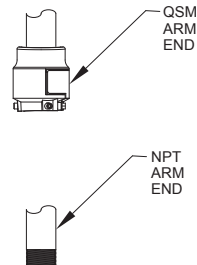
DIMENSIONAL DATA & ORIENTATION

Single Roadway Arm

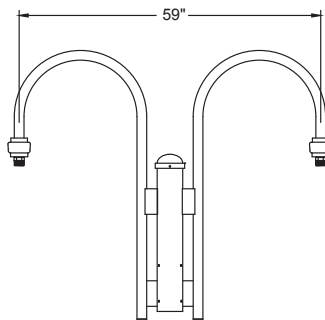


CRB 30IN 1A
 ((1) 30IN arm)

Luminaire Mounting Options

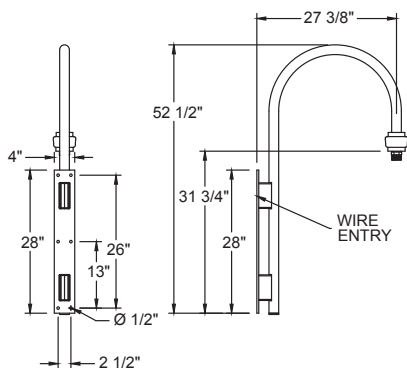


Double Roadway Arm



CRB 30IN 2A
 ((2) 30IN arms at 180°)

Wall Bracket Mount



CRB 30IN 1A WB
 ((1) 30IN Wall Bracket)

ARM	EPA (sqft)	Weight (LBS)
CRB 30IN 1A TN	1.92	20
CRB 30IN 2A TN	2.96	25
CRB 30IN 1A WB	1.92	20

Catalog Number	81
Notes	Type

GBLF3

GlasWerks® Luminescent
LED Bern®



General Description

The architectural luminaire consists of a flat LED optical assembly shielded by a decorative formed housing and a top mounted cast aluminum electrical assembly. The optical assembly is seamlessly integrated into the form factor for beautiful daytime appearance and exceptionally uniform lighting at night.

Optical Assembly

The optical assembly consists of an edgelit waveguide light engine for unmatched visual comfort. Light from the LED module is distributed by proprietary wave guide technology to maximize uniformity and minimize glare. Configurable with CCT options of 2700K, 3000K, and 4000K. CRI is 70 minimum. Available with asymmetric, symmetric, or pathway distributions.

Mounting Style

Optional mounting styles include Quick Lock Stem, NPT threads, and horizontal arm.

Quick Lock Stem Mounting style is compatible with the following leveling fitters:

- Boston Harbor Decorative Arm Fitter (BHDF)
- GlasWerks Decorative Arm Fitter (GWDF)
- West Liberty Decorative Arm Fitter (WLDF)
- Ball Style Decorative Fitter (BADF)

Electrical Assembly

The cast aluminum electrical housing has a smooth domed contour. A (3) station terminal block is provided to accept #14 through #2 size wire. The electrical housing is hinged with a tool-less latch to provide easy access to the gear assembly. The unitized electrical assembly, containing the electronic driver and other electrical components, plugs into the quick disconnect receptacle. The pendant mount version has a welded stem (Quick Lock Stem Mounting), which aides in installation speed. The arm mount version is provided with two U-bolts with washers and nuts and two leveling set screws that lock the housing to a 2 inch nominal (2-3/8" O.D.) horizontal arm and allow a $\pm 5^\circ$ degree adjustment from horizontal to the cover.

Electrical System

Programmable LED driver with 0-10V dimming. Optional DALI dimming. Driver life is rated to at least 100,000 hours. Luminaire surge protection rating of 20kV/10kA per ANSI/IEEE C62.41.2.

Finish

The luminaire is finished with corrosion resistance super durable powder coat paint to ensure maximum durability. Finish is rated to 5,000 hours salt spray per ASTM B117.

Listing

The luminaire is CSA certified to US and Canadian standards. IP55 rated electrical chamber, IP66 rated LED optic chamber. 20kV/10kA extreme surge protection per ANSI/IEEE C136.2. Suitable for operation in ambient temperatures from -40°C to 40°C .

DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Government Procurement

BAA – Buy American Act: This product is available in a version that qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS.

BABA – Build America Buy America: This product is available in a version that qualifies as produced in the United States under the definitions of the Build America, Buy America Act, as implemented by 2 C.F.R. Part 184 and other agency implementing regulations, including Department of Transportation regulations.

Please refer to www.acuitybrands.com/resources/buy-american for additional information.

Warranty

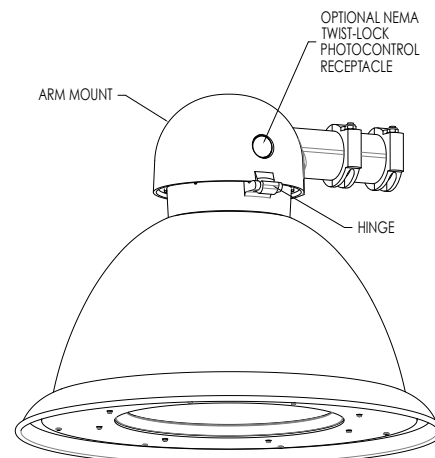
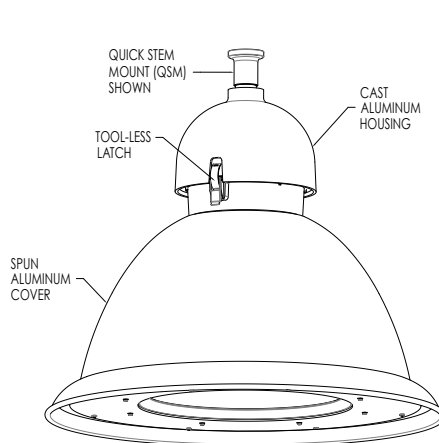
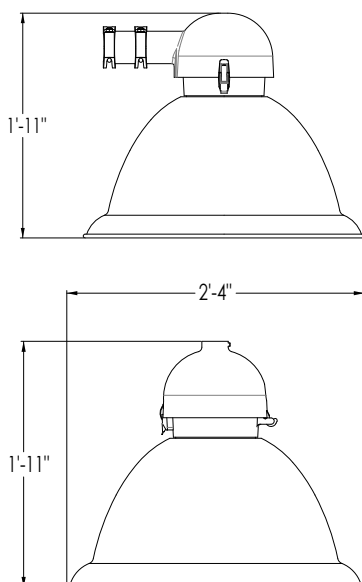
Limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25°C .

Specifications subject to change without notice.

DIMENSIONAL DATA



Maximum Weight - 51 lbs

Maximum Effective Projected Area - 1.2 ft²

ORDERING INFORMATION

Example: GBLF3 P30 40K MVOLT ASY QSM BK

Cover Type	LED Lumen Package	Color Temperature	Voltage	Optics	Mounting Style	Finish Color
GBLF3 Bern	P10 P10 Performance Package P20 P20 Performance Package P30 P30 Performance Package P40 P40 Performance Package P50 P50 Performance Package P60 P60 Performance Package P70 P70 Performance Package P80 P80 Performance Package	27K 2700K, 70 CRI 30K 3000K, 70 CRI 40K 4000K, 70 CRI	MVOLT 120-277V HVOLT 347-480V	ASY Asymmetric SYM Symmetric PTH Pathway	ARM Horizontal Arm Mount NPT 1.5" NPT Thread QSM Quick Stem Mount	BK Black BZ Bronze GH Graphite GN Green GR Gray WH White

Options

Control Options:

PR7	7 pin NEMA photocontrol receptacle
PR7E	7 pin NEMA photocontrol external
P34	Solid state long life photocontrol (347V)
P48	Solid state long life photocontrol (480V)
PCLL	DLL photocontrol
SH	Shorting cap
A0	Adjustable Output Module
DALI	DALI dimming
WG	Wire guard (ships separately)
HSS	House side shield (ships separately)

Prewire Lead Options:

L03	3ft prewire leads
L10	10ft prewire leads
L20	20ft prewire leads
L25	25ft prewire leads
L30	30ft prewire leads

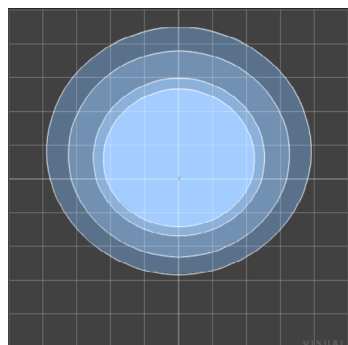
NEMA Label Options:

NL1X1	1" x 1" NEMA label
NL3X3	3" x 3" NEMA label

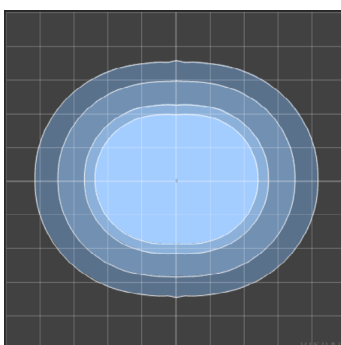
Accessories: Order as separate catalog number.

GBLF3HSS	House side shield
GBLF3WG	Wire guard

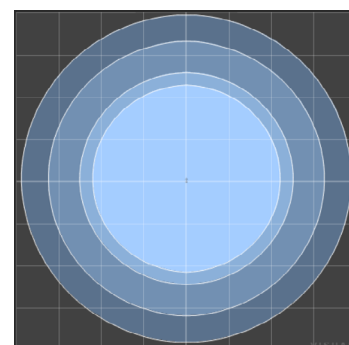
OPTICAL DISTRIBUTIONS



ASY



PTH



SYM

PERFORMANCE DATA

Lumen and Wattage Data

Lumen Package	System Wattage	Distribution	2700K, 70 CRI		3000K, 70 CRI		4000K, 70 CRI	
			Lumens	LPW	Lumens	LPW	Lumens	LPW
P10	30	ASY	3,738	126	3,870	130	4,122	139
		PTH	3,860	130	3,995	134	4,256	143
		SYM	3,681	124	3,811	128	4,059	137
P20	51	ASY	6,143	121	6,359	125	6,774	134
		PTH	6,343	125	6,565	129	6,994	138
		SYM	6,049	119	6,262	123	6,671	132
P30	62	ASY	7,377	118	7,636	122	8,135	130
		PTH	7,617	122	7,884	126	8,399	135
		SYM	7,264	116	7,520	120	8,011	128
P40	75	ASY	8,767	116	9,075	121	9,668	128
		PTH	9,052	120	9,370	124	9,982	133
		SYM	8,633	115	8,937	119	9,520	126
P50	95	ASY	10,810	114	11,190	118	11,920	125
		PTH	11,161	117	11,553	121	12,308	129
		SYM	10,645	112	11,019	116	11,738	123
P60	118	ASY	12,781	108	13,230	112	14,094	119
		PTH	13,196	111	13,660	115	14,551	123
		SYM	12,586	106	13,028	110	13,878	117
P70	151	ASY	15,726	104	16,278	108	17,341	115
		PTH	16,236	108	16,807	111	17,904	119
		SYM	15,485	103	16,029	106	17,076	113
P80	173	ASY	17,544	101	18,161	105	19,346	112
		PTH	18,114	105	18,750	108	19,974	115
		SYM	17,276	100	17,883	103	19,050	110

OPTIONS MATRIX

		Lumen Package								Voltage		Receptacle		Photocontrol				Dimming Options	
		P10	P20	P30	P40	P50	P60	P70	P80	MVOLT	HVOLT	PR7	PR7E	PCLL	PCL3	PCL4	SH	AO	DALI
Lumen Package	P10		N	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD*
	P20	N		N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD*
	P30	N	N		N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD*
	P40	N	N	N		N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD*
	P50	N	N	N	N		N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD
	P60	N	N	N	N	N		N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD
	P70	N	N	N	N	N	N		N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD
	P80	N	N	N	N	N	N	N		Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD
Voltage	MVOLT	Y	Y	Y	Y	Y	Y	Y	Y		N	Y	Y	Y	N	N	Y	Y	RFD
	HVOLT	Y	Y	Y	Y	Y	Y	Y	Y	N		Y	Y	N	Y	Y	Y	Y	N
	PR7	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		N	Y	Y	Y	Y	Y	RFD
	PR7E	Y	Y	Y	Y	Y	Y	Y	Y	Y	N			Y	Y	Y	Y	Y	RFD
Photocontrol	PCLL	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y			N	N	N	Y	RFD
	PCL3	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N		N	N	Y	RFD
	PCL4	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	N		N	Y	RFD
	SH	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N		Y	RFD
Dimming Options	AO	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		N
	DALI	RFD*	RFD*	RFD*	RFD*	RFD	RFD	RFD	RFD	RFD	N	RFD	RFD	RFD	RFD	RFD	RFD	N	

Y = combination is available

N = combination is not available

RFD = consult factory, additional information required

RFD* = consult factory, additional information required, not CSA certified

LED Lumen Maintenance					
25,000 hours	36,000 hours	50,000 hours	60,000 hours	75,000 hours	100,000 hours
98%	96%	94%	93%	91%	88%

Lumen maintenance calculated according to TM-21 at 25°C ambient. Italicized values are extrapolated beyond the standard.

Adjustable Output (AO) Response		
AO Setting	% Lumen Output	% Wattage
8	100%	100%
7	94%	94%
6	82%	81%
5	70%	68%
4	58%	56%
3	46%	43%
2	33%	31%
1	21%	19%

Luminaire Ambient Temperature Factor	
Ambient Temperature	Relative Lumen Output
0°C	1.03
15°C	1.02
20°C	1.01
25°C	1.00
30°C	0.99
35°C	0.99
40°C	0.98



City Of Ketchum Decorative Luminaire Standards

Northport

Specification Sheet | DR200/300 Series



Northport offers pedestrian-centric and roadway performance options within a beautifully crafted homage to the historical 'acorn' style. As a style so deeply rooted in the American streetscape, Northport subtly reveals the 'acorn' form within the negative space, dispensing with the drop lens and making a modern, efficient, dark sky compliant statement. Northport is available in a range of mounting styles including tenon, single and double luminaire arm mounts, in pendant and tenon-top styles.

The 200 series Northport utilizes Landscape Forms premier visual comfort light engine, which remains the industry benchmark for pedestrian centric spaces. Placemaking, and creating environments of safety, assurance and enjoyment are core to Landscape Forms design and engineering focus.

The 300 series serves environments beyond purely pedestrian – parking lots, streetscapes, transit, and other environments with a wide range of illumination requirements and visual experience expectations. This series includes selectable lumen packages (up to 8,000 lm+) a wide range of distribution types and lens options.

Northport is Buy America Compliant and International Dark-Sky Approved.

Housing & Materials

Cast aluminum construction. All hardware is magni-coated for optimum corrosion and 'anti-seize' protection. Assembly is IP66 rated.

Electrical

120V - 277V, 50/60Hz electronic driver(s). 0-10V dimming. -40°C start temperature. Surge protected. Available with optional ANSI C136.41 twist lock receptacle and/or pole-mounted photo/motion sensor. Northport luminaire ships prewired with center element having a separate circuit from main light engine.

Light Engine

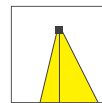
Factory sealed, vented and replaceable aluminum LED cartridge with UV stable, impact-resistant acrylic lens. Weatherproof, quick disconnects for weather resistance and ease of serviceability. High-power LEDs mounted to a RoHS compliant circuit board with PMMA optics. Available in 2700K, 3000K, 3500K and 4000K. >80 CRI across all available color temperatures. Luminaires meet or exceed TM21 L70: >60,000 hrs.

The visual comfort light engine featured in 200 series luminaires, brings to the forefront attributes of human-centric optical design in pedestrian centric spaces. It reduces high angle glare and contrast ratio, eliminates 'lens image' of LEDs, and offers a choice of distributions for a first-class visual experience for pedestrians.

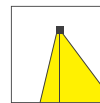
The high output light engine featured in the 300 series delivers up to 8400 lumens through a wide selection of roadway distribution types.

Capable of meeting footcandle minimum and uniformity requirements at taller pole heights and wider spacing, the 300 series addresses lighting needs in vehicular and other environments where design criteria include non-pedestrian needs.

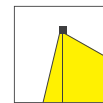
Distributions



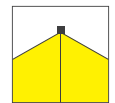
TII



TIII



TIV



TV

Warranty

LED lighting products are warranted for six years.

Certification

UL Listed for Wet Location, CE, International Dark Sky Approved, Buy America Compliant, RoHS Compliant, cUL



Designed by Robert A.M. Stern Architects

[Click here](#) for patent information related to this product.

Northport

landscapeforms

Specification Sheet | DR200/300 Series

Specification

Luminaire #1 _____

Luminaire #2 _____

(If Applicable)

Pole _____

(May include arms, base covers, GFCI, NEMA7 Socket, etc.)

Luminaire and Mounting Configuration - 200 Series

(Luminaire with Visual Comfort Light Engine)

Product	Drive Current	Color Temperature	Distribution	Lens	Center Element	Twist Lock	Powdercoat
DR201 (Single Post-Top)	SO (Standard Output)	27K (2700K)	T3 (Type III)	FRS (Frosted)	20K (2000K)	NTW (No Twist Lock)	See powdercoat color options on the Material / Colors Sheet.
DR202 (1) Luminaire Below Arm)		30K (3000K)					
DR203 (2) Luminaires Below Double Arms)		35K (3500K)	T5 (Type V)				
DR204 (1) Luminaire Above Arm)		40K (4000K)					
DR205 (2) Luminaires Above Double Arms)							

Example: DR201- SO - 27K - T3 - FRS - 20K - NTW - Powdercoat

* For Dark Sky certification, 3000k or warmer must be selected

Luminaire and Mounting Configuration - 300 Series

(Luminaire with Performance Light Engine)

Product	LED Configuration	Drive Current	Color Temperature	Distribution	Lens	Center Element	Twist Lock	Powdercoat	
DR301 <i>Single Post-Top</i>	18 <i>18 LEDs</i>	SO <i>(Standard Output)</i>	27K <i>(2700K)</i>	T2 <i>(Type II)</i>	CLR <i>(Clear)</i>	20K <i>(2000K)</i>	NTW <i>(No Twist Lock)</i>	See powder-coat color options on the Material / Colors Sheet.	
DR302 <i>(1) Luminaire Below Arm</i>			30K <i>(3000K)</i>	T3 <i>(Type III)</i>					
DR303 <i>(2) Luminaires Below Double Arms</i>			35K <i>(3500K)</i>	T4 <i>(Type IV)</i>					
DR304 <i>(1) Luminaire Above Arm</i>		HO <i>(High Output)</i>	40K <i>(4000K)</i>	T5 <i>(Type V)</i>	FRS <i>(Frosted)</i>				TW1 <i>(Twist Lock)</i>
DR305 <i>(2) Luminaires Above Double Arms</i>									

Example: DR304-18-SO-27K-T3--FRS-20K-TW1-Powdercoat

*For Dark Sky certification, 3000k or warmer must be selected

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Specification Sheet | DR200/300 Series

Pole and Luminaire Configuration

Part Number	Luminaires Per Pole	Base Cover Option	Power Receptacle	Photo / Motion Sensor	Powdercoat	Lens Height	Pole Height	Pole Diameter
DR-12-A (Single Post-Top)	1 (1 Luminaire)	NUT (Nut Covers)	NR (No Power Receptacle)	NMS (No Motion Sensor)	See powdercoat color options on the Material / Colors Sheet.	12 ft (3.7m)	9.4 ft (2.9m)	4" (102mm)
DR-14-A (Single Post-Top)						14 ft (4.3m)	11.4 ft (3.5m)	4" (102mm)
DR-16-A (Single Post-Top)						16 ft (4.9m)	13.4 ft (4.1m)	4" (102mm)
DR-12-B ((1) or (2) Luminaire(s) Below Mount Arm)						12 ft (3.7m)	13.5 ft (4.1m)	5" (127mm)
DR-14-B ((1) or (2) Luminaire(s) Below Mount Arm)						14 ft (4.3m)	15.5 ft (4.7m)	5" (127mm)
DR-16-B ((1) or (2) Luminaire(s) Below Mount Arm)						16 ft (4.9m)	17.5 ft (5.3m)	5" (127mm)
DR-12-C ((1) or (2) Luminaire(s) Above Mount Arm)	2 (2 Luminaires)	BC (Base Cover)	R (Power Receptacle)	MS1 (With Motion Sensor)		16 ft (4.9m) / 12 ft (3.7m)	17.5 ft (5.3m)	5" (127mm)
DR-14-C ((1) or (2) Luminaire(s) Above Mount Arm)						12 ft (3.7m)	10 ft (3m)	5" (127mm)
DR-16-C ((1) or (2) Luminaire(s) Above Mount Arm)						14 ft (4.3m)	12.1 ft (3.7m)	5" (127mm)
						16 ft (4.9m)	14.1 ft (4.3m)	5" (127mm)
DR-16-SB (Staggered Luminaires Below Mount Arm)					16 ft (4.9m) / 12 ft (3.7m)	14.1 ft (4.3m)	5" (127mm)	
DR-16-SC (Staggered Luminaries Above Mount Arm)					16 ft (4.9m) / 12 ft (3.7m)	14.1 ft (4.3m)	5" (127mm)	

Example: DR-16-A-1-BC-R-NMS-Powdercoat

Modifications

Part Number	Modification	Description
CAM	Camera	
SPE	Speaker	
WAP	WiFi Access Point	
BAN	Banner Arms	
VIB	Vibration Dampener	
CPH	Custom Pole Height	
CLH	Custom Lens Height	
CPC	Custom Powdercoat Color	
--	Other	

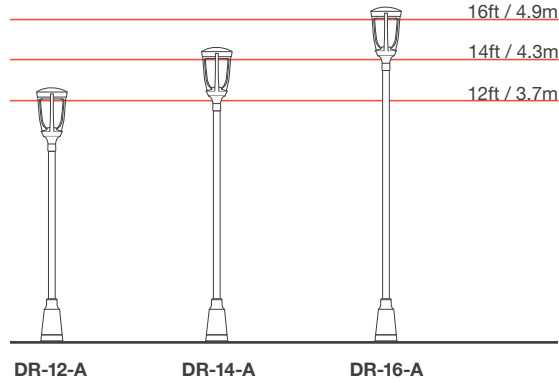
Modifications listed are the most common changes/additions requested. If your requirements aren't shown here, select 'other' and write in the modification needed. Please provide as much detail as possible to streamline the quoting process. All modifications to standard products will require evaluation and quoting approved by Landscape Forms prior to order placement.

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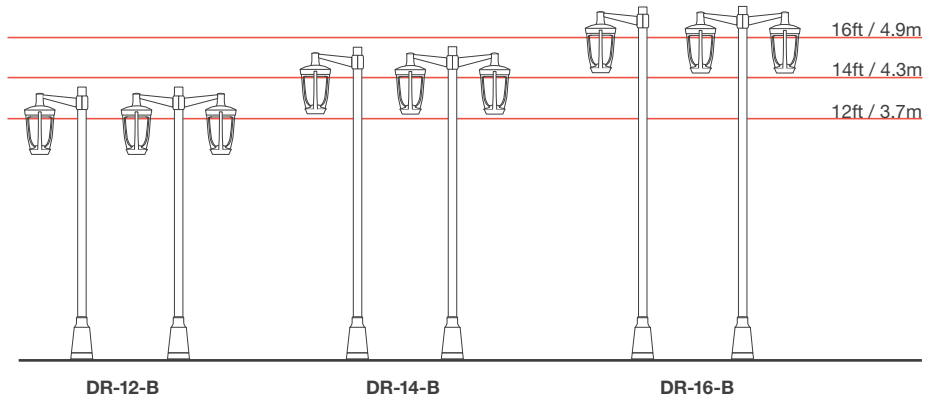
Specification Sheet | DR200/300 Series

Lens Height and Pole Configuration Selection Guide



Compatible Luminaires

200 Series	300 Series
DR201	DR301



Compatible Luminaires

	200 Series	300 Series
Single	DR202	DR302
Back to back	DR203	DR303

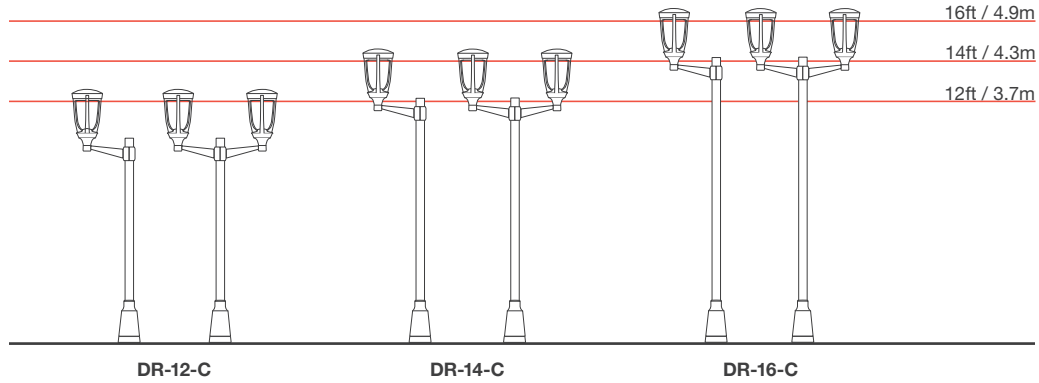
See customer drawings for luminaire mounting height details.

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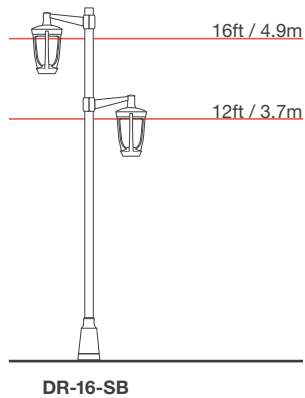
Specification Sheet | DR200/300 Series

Lens Height and Pole Configuration Selection Guide



Compatible Luminaries

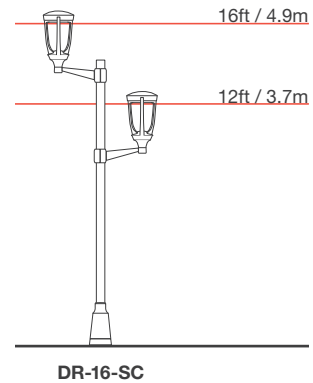
	200 Series	300 Series
Single	DR204	DR304
Back to back	DR205	DR305



DR-16-SB

Compatible Luminaries

200 Series	300 Series
DR202	DR302



DR-16-SC

Compatible Luminaries

200 Series	300 Series
DR204	DR304

See customer drawings for luminaire mounting height details.

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Specification Sheet | DR200/300 Series

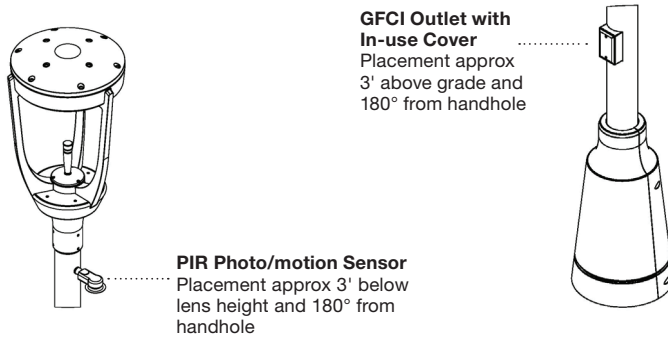
Pole & Base Cover

Manufactured from seamless aluminum alloy with a flush mounted hand hole cover. Base plate is cast aluminum and includes a two-piece cast aluminum decorative base cover, or four cast aluminum nut covers. Mounting template and anchor hardware included. Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end. Single post-top pole includes a standard dimension 2-3/8" dia x 4" tenon. Poles designed to support arm mounted configurations include a standard 5" diameter pole, flush top with pole cap and configurable with ancillary devices, such as an ANSI C136.41 twist-lock receptacle.

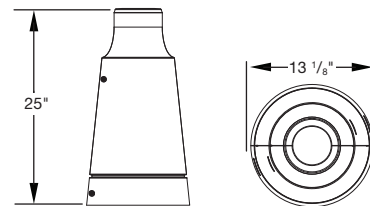
Mounting

Single post-top is secured to a 2 3/8" x 4" tenon on top of pole via six (6) magni-coated set screws. Arm mounts secured to pole via compression clamp using 4 magni-coated bolts.

Pole Accessories



Base Cover

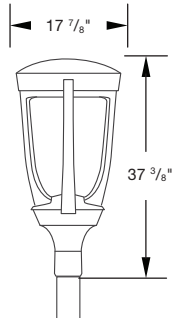


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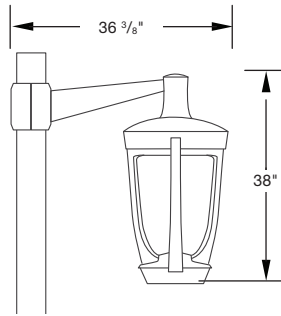
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Specification Sheet | DR200/300 Series

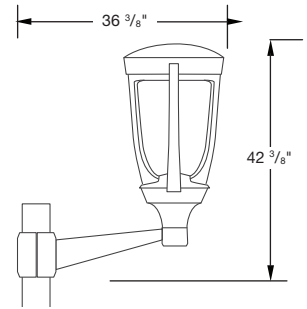
200 & 300 Series Luminaire Dimensions, Weights and EPA's



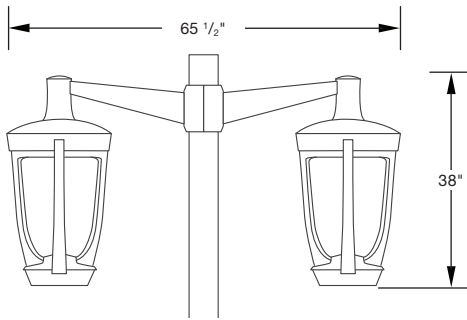
DR201/DR301
Weight: 63 lbs
EPA: 2.79 ft²



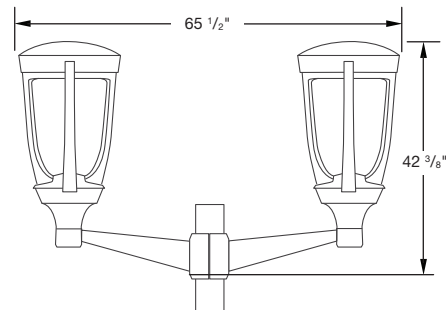
DR202/DR302
Weight: 125 lbs
EPA: 3.63 ft²



DR204/DR304
Weight: 125 lbs
EPA: 3.63 ft²



DR203/DR303
Weight: 226 lbs
EPA: 7.13 ft²



DR205/DR305
Weight: 226 lbs
EPA: 7.13 ft²

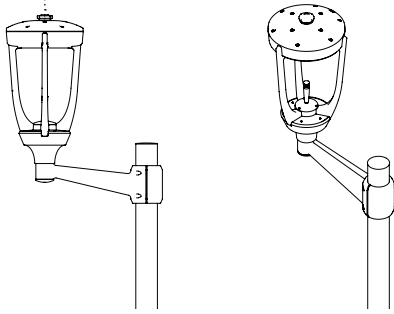
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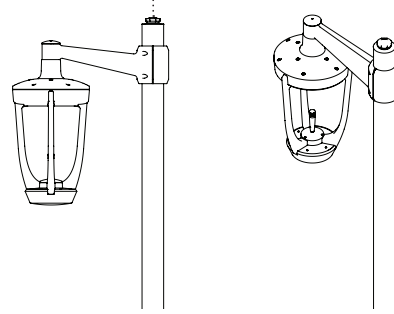
Specification Sheet | DR200/300 Series

Twist Lock Receptacle Placement

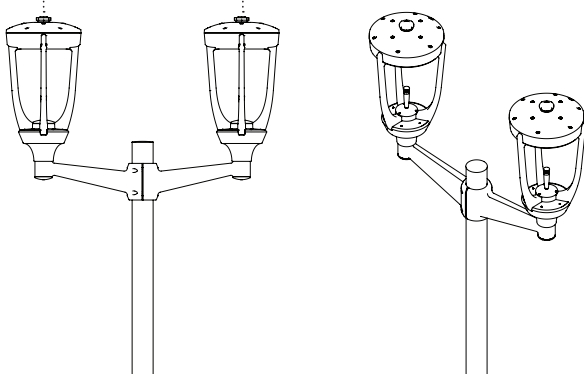
Twist Lock Location Single Arm Above Mount Luminaire



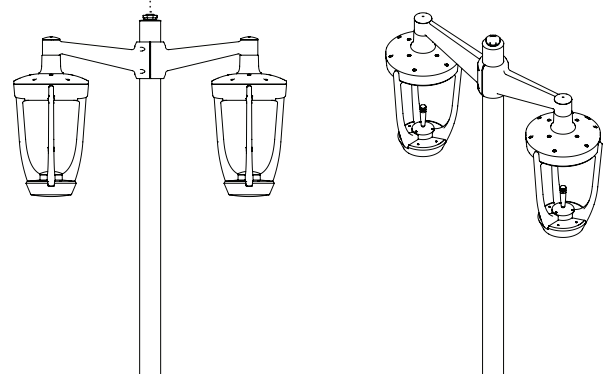
Twist Lock Location Single Arm Below Mount Luminaire



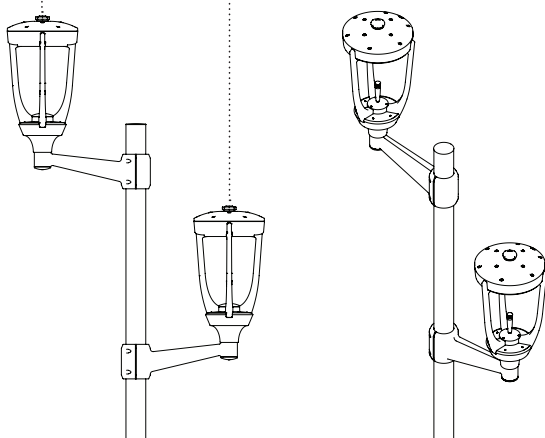
Dual Twist Lock Location Double Arm Above Mount Luminaires



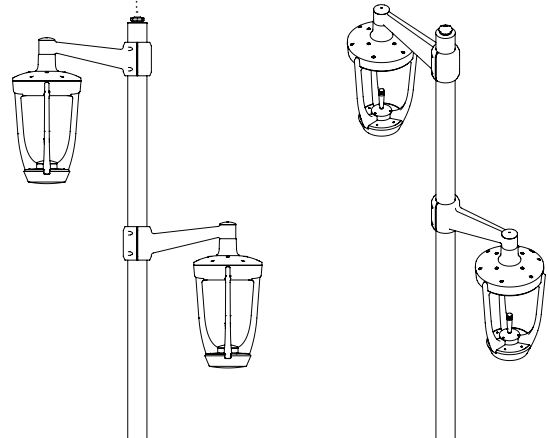
Twist Lock Location Double Arm Below Mount Luminaires



Dual Twist Lock Location Double Arm Above Mount Luminaire



Twist Lock Location Single Arms Below Mount Luminaires, Staggered



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Specification Sheet | DR200/300 Series

200 Series Luminaire Performance Data

Visual Comfort Light Engine @ 3500K

Drive Current	Lens	Distribution	Lumen Output*	Watts	BUG Rating
SO	FRS	T3	2268	43	B1-U2-G1
SO	FRS	T5	4474	82	B2-U2-G2

300 Series Luminaire Performance

Performance Light Engine @ 3500K

LED Quantity	Drive Current	Lens	Distribution	Lumen Output*	Watts	BUG Rating
18	SO	CLR	T2	2786	31.4	B1-U2-G1
			T3	2826	31.4	B1-U1-G1
			T4	2782	31.4	B1-U2-G1
			T5	3052	34.5	B1-U2-G1
		FRS	T2	2514	31.4	B1-U2-G1
			T3	2430	31.4	B1-U2-G1
			T4	2475	31.4	B1-U1-G1
			T5	2758	34.5	B1-U1-G1
	HO	CLR	T2	4184	53.9	B1-U2-G1
			T3	4244	53.9	B1-U1-G1
			T4	4176	53.9	B1-U2-G1
			T5	4430	53.9	B2-U2-G2
		FRS	T2	3775	53.9	B1-U2-G1
			T3	3799	53.9	B1-U2-G1
			T4	3717	53.9	B1-U2-G1
			T5	4020	53.9	B2-U2-G1
36	SO	CLR	T2	5398	60.9	B2-U2-G2
			T3	5476	60.9	B1-U2-G1
			T4	5389	60.9	B2-U2-G2
			T5	5886	66.9	B2-U2-G2
		FRS	T2	4871	60.9	B1-U2-G1
			T3	4901	60.9	B1-U2-G1
			T4	4796	60.9	B2-U2-G1
			T5	5320	66.9	B2-U2-G2
	HO	CLR	T2	7977	97.3	B2-U2-G2
			T3	8092	97.3	B2-U2-G2
			T4	7964	97.3	B2-U2-G2
			T5	8330	103.3	B3-U2-G3
		FRS	T2	7199	97.3	B2-U2-G1
			T3	7244	97.3	B2-U2-G1
			T4	7087	97.3	B2-U2-G2
			T5	7529	103.3	B2-U2-G2

This data is subject to change.

* Apply 0.9 multiplier for 2700K, 0.96 for 3000K, and 1.007 for 4000K color temperatures.

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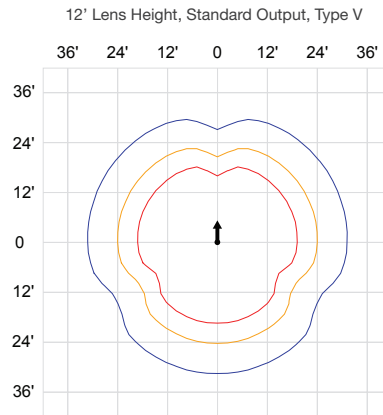
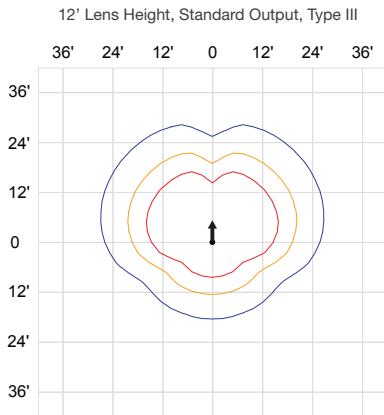
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Specification Sheet | DR200/300 Series

200 Series at 12'

Visual comfort light engine @ 3000K

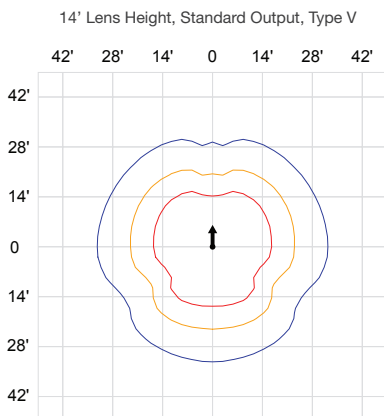
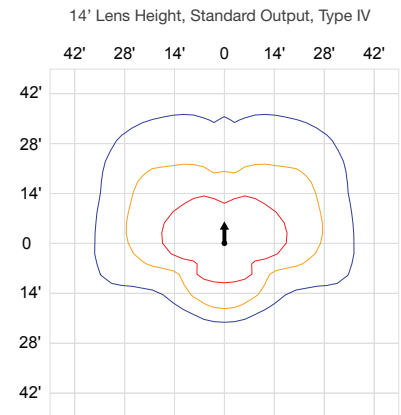
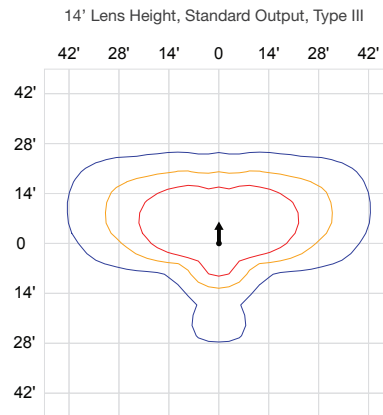
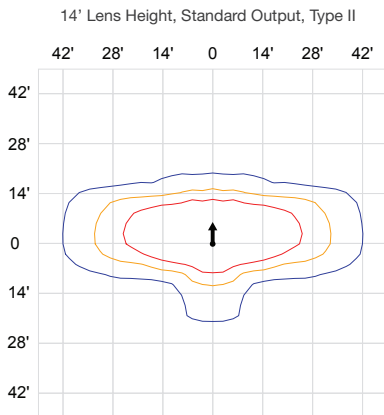
1.0fc 0.5fc 0.2fc



300 Series – 18 LED SO at 14'

Performance light engine @ 3000K

1.0fc 0.5fc 0.2fc



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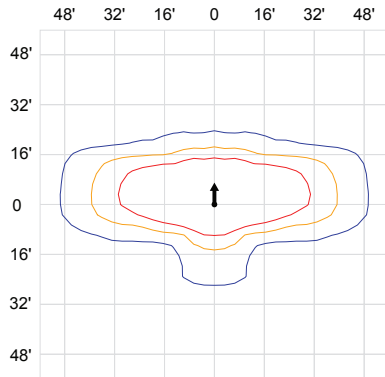
Specification Sheet | DR200/300 Series

300 Series – 18 LED HO at 16'

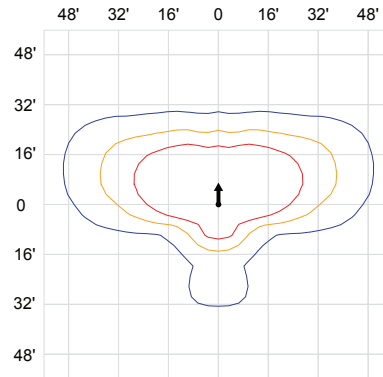
Performance light engine @ 3000K

1.0fc 0.5fc 0.2fc

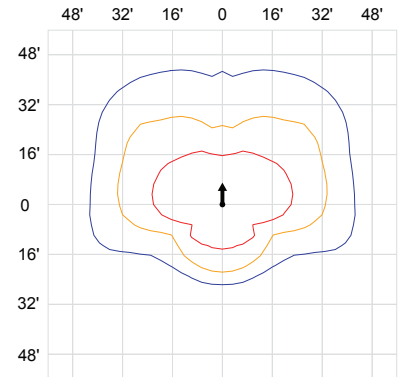
16' Lens Height, High Output, Type II



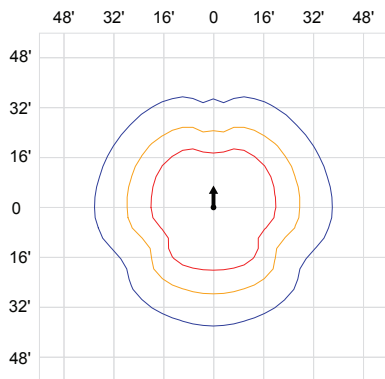
16' Lens Height, High Output, Type III



16' Lens Height, High Output, Type IV



16' Lens Height, High Output, Type V



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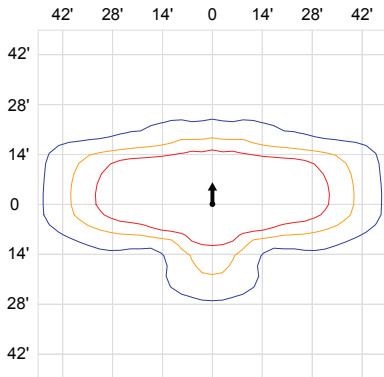
Specification Sheet | DR200/300 Series

300 Series – 36 LED SO at 14'

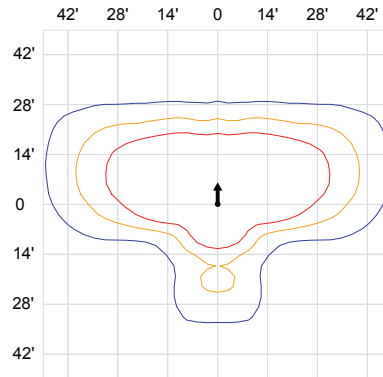
Performance light engine @ 3000K

1.0fc 0.5fc 0.2fc

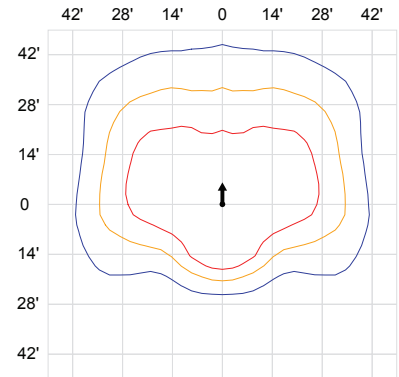
14' Lens Height, Standard Output, Type II



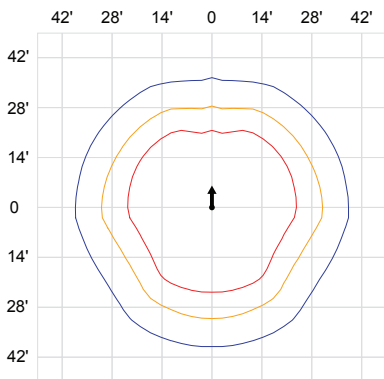
14' Lens Height, Standard Output, Type III



14' Lens Height, Standard Output, Type IV



14' Lens Height, Standard Output, Type V



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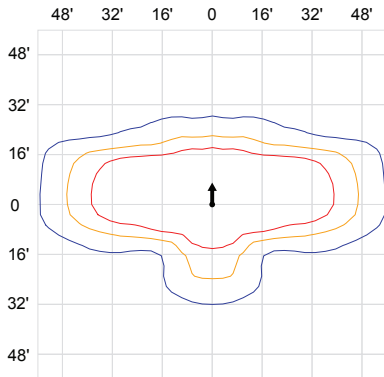
Specification Sheet | DR200/300 Series

300 Series – 36 LED HO at 16'

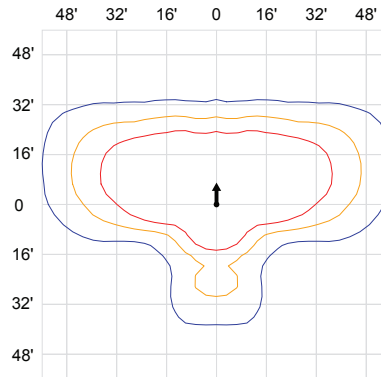
Performance light engine @ 3000K

1.0fc 0.5fc 0.2fc

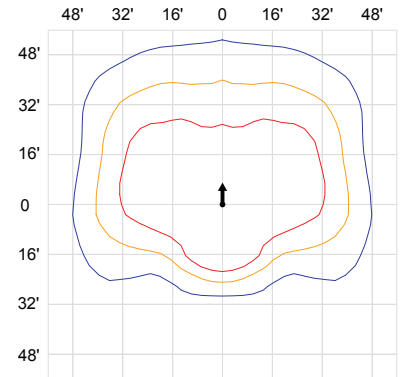
14' Lens Height, High Output, Type II



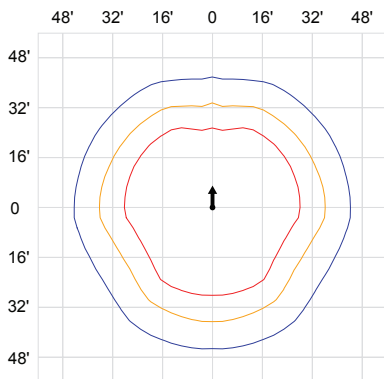
14' Lens Height, High Output, Type III



14' Lens Height, High Output, Type IV



14' Lens Height, High Output, Type V

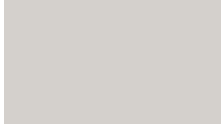


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Specification Sheet | DR200/300 Series

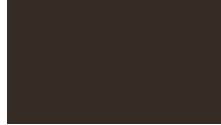
Architectural Series - Powdercoated Metal* (Fine Texture)



FOG (Fog)



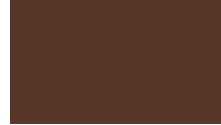
OBD (Obsidian)



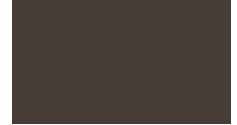
MBK (Matte Black)



TER (Terra)



NMG (Nutmeg)



ONX (Onyx)



SAG (Sage)

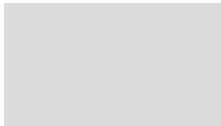


BLA (Blue Ash)

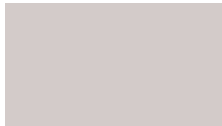


DSK (Dusk)

Neutral Series - Powdercoated Metal*



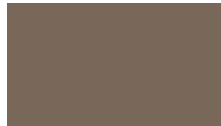
SIL (Silver Metallic)



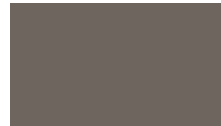
MER (Mercury Metallic)



STL (Steel Metallic)



BRZ (Bronze Metallic)



TNM (Titanium Metallic)

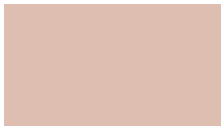


BLK (Gloss Black)



WHT (Gloss White)

Vivid Series - Powdercoated Metal* (Fine Texture)



CLY (Clay)



LMN (Lemon)



MNG (Mango)



CHL (Chili)



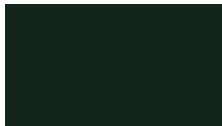
APR (Lolli Apple Red)



LFG (Lolli Leaf Green)



MSS (Moss)



FOR (Forest)



NVY (Lolli Navy Blue)

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Specification Sheet | DR200/300 Series

Powdercoated Metal

Powdercoated Metal Pangard II® Polyester Powdercoat is a hard, yet flexible, finish that resists rusting, chipping, peeling and fading. In addition to colors shown, a wide selection of optional and custom colors may be specified for an upcharge.

* All colors and patterns shown are approximate and may vary from sample and final.

Visit landscapeforms.com for more information.

Specifications are subject to change without notice.

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