RECOMMENDATION

Staff recommends that the Architectural Review and Historic Preservation Board adopt the required findings contained in the agenda report and approve Architectural Review 15-17 (Dutch Bros. Downtown), subject to the recommended conditions.

Proposed Motion

I move that the Architectural Review and Historic Preservation Board adopt the required findings contained in the agenda report and approve Architectural Review 15-17 (Dutch Bros. Downtown), subject to the recommended conditions.

BACKGROUND

The applicant proposes to construct a drive-through coffee kiosk on a 0.4-acre site located on Wall Street, between 9th Street and Humboldt Avenue (see Attachment A, Location Map and Attachment B, Architect’s Project Description). The site is designated Commercial Mixed-Use by the General Plan and zoned DS-L-COS (Downtown South with Landmark and Corridor Opportunity Site overlays). In April, the City Council approved Use Permit 14-19, authorizing 24-hour drive through sales at the site.

The proposed site plan includes a drive-through coffee kiosk building with drive-up ordering windows on either side, and a walk-up window in front (see Attachments C and D, Site Plans, also provided in large format). Full vehicle access would be from Wall Street, with an additional exit drive onto Humboldt Avenue. Stacking for approximately 10 vehicles is provided in advance of the service windows, a minimum of six is required.

Pedestrian access to the kiosk is provided from all three street frontages, with bike racks at each location. Covered and uncovered areas for outdoor seating would be located internally to the site, as would two customer parking spaces. Two “employee only” off-street spaces are also provided near the exit on Humboldt Avenue. Additional on-street parking would be created by striping angled spaces on Wall Street and eliminating old driveways as part of the site improvements. Other site improvements include several segments of 3-foot wire screen fence, a monument sign, and a trash enclosure.

The onsite maneuvering areas would be ringed with landscaping, including many trees, shrubs, and other groundcover (see Attachment E, Landscape Plans). Star jasmine would be staked along the wire screen fence to create a solid vegetative barrier over time. New street trees with iron surface grates would also be installed on street frontages.
The proposed kiosk building would be approximately 640 square feet, and 18 feet, 9 inches in height (see Attachment F, Elevations). The building’s exterior would be gray stucco above a black brick wainscot, with blue and white trim elements (see Attachment G, Colors and Materials. Also, see “Exterior Materials” listing on the elevation drawings). Blue metal awnings would extend outward approximately four feet over the ordering windows, each with a pair of support rods anchored to the wall above. Parapet walls would be approximately seven feet in height, effectively screening the roof-mounted condenser units.

Wall-mounted cabinet signs are proposed on three elevations, including a windmill sign on the east elevation facing Wall Street, and a monument sign is proposed near the corner of E. 9th Street and Wall Street. Total proposed signage area would be 117 square feet (up to 250 square feet is permissible). The trash enclosure would be comprised of CMU walls with gray stucco finish matching the building’s field color and solid metal doors painted blue to match the building’s trim color.

Five light standards are proposed, each with a finished height of 12 feet (see Attachment H, Photometric Plan). Additional exterior lights are proposed within the metal canopies. Details for the pole-mounted luminaires are provided on Attachment I.

DISCUSSION

The existing site is entirely paved, and does not meet a variety of development standards (e.g., landscaping, lighting, signage, drainage, parking design, etc.). The proposed design meets all applicable standards under CMC Section 19.76.150 (Drive-in and drive-through facilities). Drive-through aisles provide adequate space for maneuvering, pedestrian crossings are provided from all three street frontages, and the design exceeds the minimum vehicle queuing requirement of six customers.

The proposed building meets all setbacks and site coverage requirements. With regard to height limits, CMC 19.44.030 (Table 4-7), requires a “minimum height of two stories for new construction” in the DS district. Staff has interpreted this to mean that new structures in this district must have a minimum vertical height that is consistent with two-story construction, as opposed to the height limit mandating two interior levels within the structure. The proposed building height of 18 feet, nine inches, is consistent with the minimum height that can be achieved for a two-story commercial building of similar area, using conventional construction.

General Plan
The proposed drive-through would be consistent with several General Plan policies, including those that promote revitalization of sites in the South Downtown in a manner that would enhance surveillance and safety, and contribute to a more unified and vibrant Downtown (DT-2.5, DT-3.4, DT-4.3 and CD-3.4.3). The proposal implements General Plan Action DT-4.3.1 by providing a design that will attract and support pedestrian activity in addition to accommodating motorists.

The proposed site design would not implement policies that encourage larger, multi-story buildings that reinforce the desirable architectural scale, style and setback patterns in the South Downtown (DT-4.2, DT-4.2.1 and CD-5.1). Although these policies encourage more-intense development, the General Plan also advocates transitioning development to lower intensities on the edges of Downtown to minimize conflicts in areas adjacent to existing
residential neighborhoods (DT-4.2.2). The proposed project balances these policies by redeveloping the site at approximately the same intensity in terms of building size as currently exists, while meeting many code requirements pertaining to landscaping, parking, and lighting that are not met by the existing used car lot.

The proposed development would also convert parallel on-street parking spaces to diagonal spaces on Wall Street, consistent with Action DT-7.2.2. Overall, the project would promote multi-modal circulation patterns by accommodating motorists, pedestrians, and bicyclists, consistent with policies DT-5.1 and CD-3.2.

Design Guidelines

The project eschews Design Guidelines (DGs) that encourage large-scale buildings along street frontages in the Downtown area (DGs 1.1.13, 1.1.15, 1.3.11, 1.3.93, and 1.3.96), in favor of other DGs that justify larger setbacks along busy streets and scaling down development where commercial uses transition into adjoining residential neighborhoods (DGs 1.1.15, 1.2.11 and 1.2.13). The design is consistent with DGs that encourage proper screening of parking areas and utilities (DG 1.3.78, 2.1.25 and 2.1.36), as conditions would require painting conspicuous utility cabinets to ensure that they do not detract from the building’s appearance. See Architect’s Project Description, Attachment B, for additional DG analysis.

Several DGs promote clearly designated pedestrian routes through parking lots and maneuvering areas (2.1.23, 2.1.33 and 2.1.34). To increase safety and achieve a strong pedestrian orientation a condition is recommended that would require enhanced pedestrian crossings through use of raised crossings, textured surfaces, and/or colored pavement, as well as a pole-mounted pedestrian crossing signs.

With regard to wall signage in the Downtown area, DG 1.3.54 provides the following direction:

Prioritize individually mounted letters and symbols that are indirectly or individually illuminated rather than plastic–faced, backlit, metal cabinet signs. Prioritize light colored letters and graphic details when internally illuminated signs are proposed, over dark letters on light colored fields.

In response to this guidance a condition is recommended to replace the cabinet-style wall signs with wall signage comprised of individually mounted letters and symbols that are either indirectly illuminated or raised and backlit for a halo effect.

RECOMMENDED DISCUSSION ITEMS

Cabinet Wall Signs: Given the Design Guidelines concerning cabinet signs in the Downtown area and the applicant’s desire to use cabinet signs on three elevations of the building, discuss if it would be appropriate to modify recommended condition #5 to provide for a combination of individually mounted channel letters and smaller cabinet signs to comprise wall signage for the project. For instance, the Board may opt to modify the condition to require the “Dutch Bros.” portion of each wall sign to be comprised of individually mounted, internally illuminated channel letters while allowing the windmill icon and “coffee” elements to be internally illuminated cabinets. See Attachment J for an example of this type of mixed signage from a different city.
REQUIRED FINDINGS FOR APPROVAL

Environmental Review
The project is exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines Section 15303 (New Construction of Small Structures). Subsection 15303(c) of the exemption provides for up to four commercial buildings not exceeding 10,000 square feet.

Architectural Review
According to the Chico Municipal Code Section 19.18.060, the Architectural Review and Historic Preservation Board shall determine whether or not a project adequately meets adopted City standards and design guidelines, based upon the following findings:

1. The proposed development is consistent with the General Plan, any applicable specific plan, and any applicable neighborhood or area plans.

   The proposed drive-through coffee kiosk effectively incorporates multi-modal access and is consistent with the General Plan in that it would promote revitalization of the site and contribute to a more unified and vibrant Downtown (DT-2.5, DT-3.4, DT-4.3 and CD-3.4.3). The design promotes pedestrian activity, implementing Action DT-4.3.1, by providing a walk-up ordering window in addition to drive up windows, as well as other features necessary to provide compatible multi-modal access. Providing multi-modal access is also consistent with General Plan policies DT-5.1 and CD-3.2. The kiosk will not be a large building, as certain policies encourage, but the project will redevelop the site at approximately the same intensity in terms of building size as currently exists while meeting many code requirements pertaining to landscaping, parking, and lighting that are not currently met at the site. The proposed development will also convert parallel on-street parking spaces to diagonal spaces on Wall Street, consistent with Action DT-7.2.2. The site is not located within the bounds of a Neighborhood Plan or area plan.

2. The proposed development, including the character, scale, and quality of design are consistent with the purpose/intent of this chapter and any adopted design guidelines.

   The project will promote orderly development and enhance the visual environment by replacing a used car lot with a development that attracts more customer activity and would add substantial landscape improvements where virtually none currently exist. Although challenged by certain Design Guidelines (DGs), the proposal is consistent with DGs that call for larger setbacks along busy streets, scaling down development where transitioning into residential areas, and proper screening of parking areas and utilities (DGs 1.1.15, 1.2.11, 1.2.13, 1.3.78, 2.1.25 and 2.1.36). As conditioned, the project will adequately respond to DGs that encourage clearly designated pedestrian routes through maneuvering areas and avoiding the overuse of cabinet signs (2.1.23, 2.1.33, 2.1.34, and 1.3.54).

3. The architectural design of structures, including all elevations, materials and colors are visually compatible with surrounding development. Design elements, including screening of equipment, exterior lighting, signs, and awnings, have been incorporated into the project to further ensure its compatibility with the character and uses of adjacent development.

   The drive-through coffee kiosk use will be of a scale and intensity which is compatible with other retail and service uses in the Downtown area, as well as residential uses located east of the site. Area lighting will be directed downward to minimize effects to the nearby
residential neighborhood and night sky. Conditions would require project signage to minimize light spillage and glare onto nearby properties. Conditions would also ensure that the appearance of exterior equipment will be properly screened from view.

4. The location and configuration of structures are compatible with their sites and with surrounding sites and structures, and do not unnecessarily block views from other structures or dominate their surroundings.

The proposed building will be compatible with the site and surrounding area in that it is not large, would be surrounded by other onsite improvements including landscaping, and would not unnecessarily block views or dominate its surroundings.

5. The general landscape design, including the color, location, size, texture, type, and coverage of plant materials, and provisions for irrigation and maintenance, and protection of landscape elements, have been considered to ensure visual relief, to complement structures, and to provide an attractive environment.

The kiosk building and drive-through lanes will be ringed with landscape improvements that will provide substantial visual relief and provide an unusually high amount of greenery given its Downtown location. A structural screen wall with creeping vines will serve to screen the drive-through lanes at multiple locations in the near term, as other shrubs and perennials mature. Large trees along the southern and western borders will grow to provide valuable shade during hot months in the more-distant future.

RECOMMENDED CONDITIONS OF APPROVAL

1. All approved building plans and permits shall note on the cover sheet that the project shall comply with AR 15-17 (Dutch Bros Downtown). The approval documents for this project are date stamped Sep 2, 2015.

2. All wall-mounted utilities and roof or wall penetrations, including vent stacks, utility boxes, exhaust vents, gas meters and similar equipment, shall be screened by appropriate materials and colors. Adequate screening shall be verified by Planning staff prior to issuance of a certificate of occupancy.

3. On-site pedestrian crossings of drive aisles shall be enhanced by using raised crossings, textured surfaces, and/or colored pavement, as well as a pole-mounted pedestrian crossing sign shall be installed to heighten awareness of the pedestrian crossings for drivers awaiting in the vehicle queue.

4. A final onsite traffic flow and directional signage plan shall be submitted prior to or concurrent with building plans, subject to review and approval by the Community Development Director and Public Works Director. The plan shall detail all proposed onsite signage, including menu boards, and shall indicate all pavement markings and curbs intended to inform and direct onsite traffic.

5. Replace the cabinet-style wall signs with wall signage comprised of individually mounted letters and symbols that are either indirectly illuminated or raised and backlit for a halo effect.
PUBLIC CONTACT

Public notice requirements are fulfilled by placing a notice on the project site and by posting of the agenda at least 10 days prior to the ARHPB meeting.

ATTACHMENTS

A. Location Map
B. Architect's Project Description
C. Cover Sheet Site Plan
D. Enlarged Site Plan
E. Landscape Plans
F. Elevation Drawings
G. Colors and Materials
H. Photometric Plan
I. Lighting Details
J. Example of Alternative Dutch Bros. Signage

DISTRIBUTION (8)
Bob Summerville, Senior Planner
Mike Sawley, Associate Planner
Makena Endeavors, LLC, Attn: Dan Richardson, 1733 Esplanade, Chico, CA 95926
Third Shoe Inc., Attn: Alan Chambers, 349 Silver Lake Drive, Chico, CA 95973
HLS Partnership, Attn: Bill Smith, 144 Meyers Street, Suite 160, Chico, CA 95928
Downtown Chico Business Association, 330 Salem Street, Chico, CA 95928
Chico Chamber of Commerce, PO Box 3300, Chico, CA 95927
Files: AR 15-17
Dutch Bros. Coffee
196 Humboldt Avenue (APN 004-425-003)
Chico, CA

Site Design and Architectural Review
Project Description

Revised August 25, 2015

Dan Richardson from Makena Endeavors LLC is applying for a site design and architectural review for a new Dutch Bros. Coffee facility proposed at 196 Humboldt Avenue (APN 004-425-003).

The Dutch Bros. Coffee building will have double lane drive-through windows, one on the east side of the building facing toward Wall Street, and the other on the west side of the building. Architectural elements such as awnings and windows make service portals easy to find. (DG 2.2.23) There will be a walk-up window on the north side of the building. The architectural scheme is carried through all four elevations of the building. (DG 2.2.33) This Dutch Bros. has been specifically designed to eschew the typical Dutch Bros. pitched blue metal roof in favor of a two-story building height to match surrounding businesses and neighborhood. (DG 2.2.21) This height creates interest and matches surrounding building heights as the shade structure creates and inviting space and elevates the eye. (DG 2.1.11, 2.2.25, 2.2.26) Utility equipment has been minimized through use of camouflage color. (DG 2.2.28)

Roof-mounted equipment is completely screened by parapet walls on all sides. (DG 2.2.26, 2.2.27)

The drive through queue is a stacking lane which can stack up to six cars. The stacking lanes and off-street parking is situated on the site and is screened by a white open-wire fence with climbing vines. (DG 2.1.25) There is no squawk box for orders, as all orders are done in person by “runners” or when the customer reaches the pass through window, so exterior noise is not an issue.

Dutch Bros. Coffee will service a variety of both hot and cold drinks. Coffee related beverages are the choice in the morning with smoothies, teas, frosts and iced drinks the favorite in the afternoon and evenings. As such the Dutch Bros. operating hours will be 24 hours, seven days a week. To cover these hours, ten to twelve employees will be hired who will each work approximately thirty hours per week. There will be no more than four employees on each shift.

The project site is situated on the north side of Humboldt Avenue at the corner of Wall Street and consists of approximately 0.35 acres (15314 sf). The topography of the site is relatively flat with an elevation of approximately 197 feet above mean sea level. In general, surface water drains towards the north. The Tuscan-Anita soils at the site have 0 to 5% slopes. There is no existing vegetation on the site, as it is covered with asphalt.
The site is devoid of wildlife. There are currently two small existing building structures on the site which will be removed.

The surrounding properties include residential properties to the north across E. 9th Str., a restaurant (La Cocina Economica) and residential properties to the east across Wall Str., LuLu's to the south across Humboldt and Bar-X Liquors to the west. The back of Bar-X Liquors building is a block wall immediate adjacent to the property line, so separation will be achieved by landscape plantings. The topography and soils are very similar to the existing. The vegetation for the properties to the north, east and south are typical landscape plantings for developed or residential properties. There is no vegetation for the property to the west. The adjacent sites are also devoid of wildlife.

The grading activities for this project will include minimal fills throughout the project site. These proposed fills will be approximately up to one foot above existing grade. All fills are to be compacted to recommendations specified in soils report for site.

The actual development of the site will result in the 640 square foot Dutch Bros. Coffee building, covered patio, uncovered patio, four adjacent parking spaces, bike parking and covered, landscaping-screened trash enclosure. (DG 2.1.36) The building is wood framed with metal canopies that shelter the drive-through and walk-up windows. The exterior building materials will include stucco with a brick wainscot and a low-sloping roof hidden by parapet walls. The entire site will be landscaped with ADA accessibility to the site from the public sidewalk.

Eleven shade trees are located to provide ample shade coverage and in addition six street trees are planned. (DG 2.1.28)

Under the development plan, ingress and egress to the site will be provided from Wall Street, with additional egress onto Humboldt Avenue, depending on which drive-through lane is selected by drivers. The normal customer turn at the drive-through windows is two to three minutes providing plenty of time to exit the site without any internal stacking. Traffic impact is also minimal as the vast majority of customer trips to the facility are pass-by. Pedestrian walkways and bicycle lanes are safe and clearly visible from the street and draw people in to the shade structure and outdoor dining area. (DG 2.1.35) They are clearly designated by painting and concrete walkways through the landscaping. (DG 2.1.33) This area provides a pedestrian scaled space (DG 2.1.12, 2.1.13, 2.1.23, 2.1.24, 2.2.11). Three bicycle parking areas are located close to main coffee windows. (DG 2.1.32)
PLAN NOTES:

A. Trash enclosure location

B. Bike parking location

C. Decorative fence location to screen headlights from exiting site. Refer to the Arch. Dwg's

D. New 48" sq. 'Neenah Foundry' City of Chico Std. cast iron tree grate location, type.

E. New concrete paving, refer to the Arch. Dwg's.

F. Broom finish accent paving area

G. Shade structure location, refer to the Arch. Dwg's.

H. Sign location

I. Excavate all finger island and parking field planters to a minimum depth of 30". Back fill with imported top soil. Install vertical 24" root barriers against all curbs within 10' of tree locations.

J. Parking area (shaded) to have 50% shade provided, refer to table this sheet
GENERAL NOTES:
A. The landscape plans will comply with the requirements of the water efficient landscape ordinance (NELO).
  Elements of the Landscape Documentation Package:
  (a) The Landscape Documentation Package shall include the following six (6) elements:
  (1) project information:
    (A) date
    (B) project applicant
    (C) project address (if available, parcel and/or lot number(s))
    (D) total landscape area (square feet)
    (E) project type (e.g., new, rehabilitated, public, private, cemetery, homeowner-installed)
    (F) water supply type (e.g., potable, recycled, well) and identify the local retail water
      purveyor if the applicant is not served by a private well
  (2) checklist of all documents in Landscape Documentation Package:
  (3) project contacts to include contact information for the project applicant and
      property owner:
      (1) applicant signature and date with statement,
      "I agree to comply with the requirements of the water efficient landscape ordinance and submit a
      complete Landscape Documentation Package."
  (2) Water Efficient Landscape Work Sheet:
      (A) hydrozone information table
      (B) water budget calculations:
        1. Maximum Applied Water Allowance (MAWA)
        2. Estimated Total Water Use (ETUW)
  (3) soil management report;
  (4) landscape design plan;
  (5) irrigation design plan;
  (6) grading design plan.

PLANT LEGEND

Key Botanical Name - Common Name *** Size GB* PE** Symbol

TREES
T1 Acer x freemani ‘Autumn Blaze’ - Autumn Blaze Red Maple #15 5 M
T2 Lagerstroemia indica ‘Tuscany’ - Std Pink Crape Myrtle #15 6 L
T3 Pista dehneri ‘Keith Davis’ - Chinese Pistache #15 6 L
T4 Zelkova serrata ‘Green’ - Japanese Snowleaf Zelkova #15 6 M

GRASSES
G1 Festuca ovina ‘Elfin Blue’ - Blue Fescue #1 12 L
G2 Pennisetum a. ‘Hameln’ - Dwarf Fountain Grass #1 24 L
G3 Stipa tenuissima - Mexican Feather Grass #1 34 L

PERENNIALS
P1 Agapanthus africanus ‘Peter Pan’ - Dwarf Lily of the Nile #1 50 M
P2 Dianthus ‘Arlequin’ - Portulacaria #1 16 L
P3 Euphorbia karwinski ‘Santa Barbara Daisy’ #1 4 L
P4 Tulip signed violacea ‘Variegata’ - Variegated Society Garlic #1 24 L

SHRUBS
S1 Berberis japonica ‘Crimson Pygmy’ - Dwarf Japanese Barberry #5 62 L
S2 Loropetalum chinense ‘Razzle Dazzle’ - Chinese Fringe Flower #5 4 M
S3 Nandina domestica ‘Guil Stream’ - Gulf Stream Heavenly Bamboo #5 20 L
S4 Pittosporum tobira ‘Variegata’ - Variegated Pittosporum #5 17 M
S5 Rhododendron ‘Ballard’ - Dwarf Pink India Hawthorne #5 12 M
S6 Rosa x ‘Flower Carpet Red’ - Red Flower Carpet Rose #2 45 M
S7 Spathodea campanulata – Anthony Plateros - Anthony Plateros Spathodea #5 2 M
S8 Prunus caroliniana ‘Bright-N-Tight’ - Bright-N-Tight Cherry Laurel #5 35 M

VINES
V1 Ficus pumila - Creeping Fig, Staked #5 2 M
V2 Jasminum x polyanthum – Pink Jasmine, Staked #5 3 M
V3 Trachilospermum javanicum – Star Jasmine, Staked #11 M

Notes: *Contractor to verify all quantities from plan. Plant legend is for reference only.
Notes: ** PP. HUCOLS IV Species Evaluation List-2014: Sunset Zone 4, HUCOLS Region 2, Central Valley.
LUMINAIRE SCHEDULE

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Statistics

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SECOND FIXTURE HEAD AS NEEDED

POLE LIGHT DETAIL - RAISED BASE

1. ELECTRICAL SITE PLAN - PHOTOMETRICS

POLE BASE

Refer to fixture schedule.

STRAIGHT ROUND ALUMINUM POLE

GROUND BUDGE CONDUCTOR TO POLE.

STEEL POLE BASE COVER.

GROUT AROUND POLE BASE AFTER PLUMB.

CONCRETE ALL EXPOSED EDGES OF BASE.

LOCATE 3 4" CUBED REBAR WITHIN 5' OF POLE BASE.

FINISHED GRADE

RANCH CIRCUIT CONDUCT.

1½" DIA. X 1' LONG ANCHOR BOLTS

HORIZONTAL BEND EXTENSION, INCLUDE LARGE-DIAMETER NUTS & LOCKNUTS FORNISHED WITH POLE.

CONCRETE BASE WITH 20 VERTICAL REBAR, STEEL BARS & 2.5 INCH STEEL HOOPS, @ 12" O.C.

ELEC. TRADE SHALL FURNISH & INSTALL ALL NECESSARY CONC.
Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX0 LED 40C 1000 40K T3M MVOLT SPA DDBXD

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<td>T25 Type I short</td>
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<td>Converter 3</td>
<td>480 V SHIP Ship separately KMAD DDBXD Mast arm mounting bracket adapter (specify finish)</td>
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Control options

Shipped Installed

- PER NEMA twist-lock receptacle only (no controls)*
- PER5 Five-wire receptacle only (no controls) 1
- PER7 Seven-wire receptacle only (no controls) 4
- DMG 0-10V dimming driver (no controls) 6
- DCR Dimmable and controllable via ROAM® (no controls) 9
- PRH Motion sensor, 8-15 mounting height 7
- PRR Motion sensor, 15-30 mounting height 7

Other options

Shipped Installed

- HS House-side shield 9
- SF Single face (20, 277, 374V) 5
- DF Double face (20, 240, 480V) 9
- L90 Left rotated optics 3
- B90 Right rotated optics 3
- DDL Diffused drop lens 3

Finish available

- DDBXD Dark bronze
- DDBXDB Black
- DNAK Natural aluminum
- DWWX0 White
- DDBXDBT Textured dark bronze
- DDBXBDT Textured black
- DWWXDT Textured natural aluminum
- DWWXGDT Textured white

NOTES

1. 30 LEDs (30C option) and rotated options (E90 or E91) only available together.
2. 1000mA not available with AM8PFC.
3. AM8PFC only available with 303mA or 700mA.
4. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
5. Specify 1008V, 240V or 377V options only when ordering with fixing (DF options).
6. Not available with single face, 300mA product (60C 530 or 30C 530). Not available with 18.55, 18.69 or PRNAT options.
7. Not available with single face, 300mA product (60C 530 or 30C 530). Not available with 18.55, 18.69 or AM8PFC options.
8. Available as a separate combination accessory - PUNNA (finishes 1-1.5 G)
9. Must be ordered at a separate accessory; see Accessories information. For use with 2-3/4" mast arm (not included).
10. Photographed and shipped as a separate line item from Acuity Brands Controls. See accessories information.
11. A ROMAB® enabled luminaire with 0-10V dimming capability must be purchased separately. Call 1-800-442-5745 or email: info@acuitybrands.com. Not available with PES or PERK.
12. 18.69 requires the Custom LED Driver (CSD-100) control. PRH specifies the 18.69 (CSD-100) control. See custom LED Driver for details.
13. Dimming driver standard. Not available with PES or PERK.
14. Requires an additional control circuit.
15. Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, PERK, PERK or PRNAT options.
17. Available with multiple single face, 300mA product (60C 530 or 30C 530). Not available with 18.55, 18.69 or AM8PFC options.
18. Available with multiple single face, 300mA product (60C 530 or 30C 530). Not available with 18.55, 18.69 or AM8PFC options.
19. Must be ordered at a separate accessory; see Accessories information. For use with 2-3/4" mast arm (not included).
20. Photographed and shipped as a separate line item from Acuity Brands Controls. See accessories information.
Drilling

Template #8
Top of Pole

Photometric Diagrams

To see complete photometric reports or download .iges files for this product, visit Lithuania Lighting's D Series Area home page.

Legend:

- 0.1 fc
- 0.5 fc
- 1.0 fc

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 54°F to 104°F.

<table>
<thead>
<tr>
<th>Ambient Temperature</th>
<th>Lumen Multiplier</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°C</td>
<td>1.02</td>
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<tr>
<td>14°F</td>
<td>1.01</td>
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<tr>
<td>20°F</td>
<td>1.00</td>
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<tr>
<td>25°F</td>
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<tr>
<td>30°C</td>
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<tr>
<td>40°C</td>
<td>0.59</td>
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Electrical Load

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<td>200</td>
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<tr>
<td>347</td>
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<tr>
<td>480</td>
</tr>
</tbody>
</table>

Projected LED Lumen Maintenance

Data references the extrapolated performance projection for the platforms noted in a 22°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

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

<table>
<thead>
<tr>
<th>Operating Hours</th>
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</thead>
<tbody>
<tr>
<td>0</td>
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<tr>
<td>1</td>
</tr>
<tr>
<td>80,000</td>
</tr>
<tr>
<td>100,000</td>
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Lithonia Lighting
One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • Fax: 770.918.1209 • www.lithonialed.com
© 2011-2015 Acuity Brands Lighting, Inc. All rights reserved.
### Performance Data

**Lumen Output**

Lumen values are from photometric tests performed in accordance with IESNA LM-79-12. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

<table>
<thead>
<tr>
<th>Forward Optics</th>
<th>LEIs</th>
<th>Driver Current (mA)</th>
<th>System Watts</th>
<th>Dist.</th>
<th>Type</th>
<th>40E</th>
<th>42E</th>
<th>50K</th>
<th>AMPC</th>
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<td>20K (20 LEDs)</td>
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<td>1 - 0 - 114</td>
<td>5,441</td>
<td>0 - 0 - 74</td>
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<td>1 - 0 - 97</td>
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<td>TFM</td>
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### Performance Data

#### L90 and R90 Rotated Optics

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<tr>
<th>LED</th>
<th>Drive Current (mA)</th>
<th>System Watts</th>
<th>Coll. Type</th>
<th>30K (4000K, 1000H)</th>
<th>45K (4000K, 1000H)</th>
<th>50K (5000K, 1000H)</th>
<th>65K (7000K, 1000H)</th>
<th>Arrffl (Amber Perceived Content)</th>
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<td>YS</td>
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<td>6.936</td>
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<tr>
<td>T2S</td>
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<td>2.0</td>
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<td>94</td>
<td>6.936</td>
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<td>0.3</td>
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<td>0.2</td>
<td>93</td>
<td>6.041</td>
<td>3.0</td>
<td>0.3</td>
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<tr>
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<td>2.0</td>
<td>0.2</td>
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<td>6.041</td>
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<tr>
<td>T2S</td>
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<td>2.0</td>
<td>2.0</td>
<td>0.2</td>
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<td>6.936</td>
<td>3.0</td>
<td>0.3</td>
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<tr>
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<td>2.0</td>
<td>0.2</td>
<td>93</td>
<td>6.041</td>
<td>3.0</td>
<td>0.3</td>
</tr>
</tbody>
</table>

### FEATURES & SPECIFICATIONS

#### INTENDED USE
- The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, places, campuses, and streetscapes.

#### CONSTRUCTION
- Single-piece die-cast aluminum housing has integral heat sink to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casing to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65, Low EPA 02/0) for optimized pole wind rating.

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

#### OPTICS
- Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 4000 K (70 minimum CRI) or optional 3000 K (80 minimum CRI) or 5000 K (60 CRI) configurations. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes® criteria for eliminating wasteful uplighting.

#### ELECTRICAL
- Light engines configurations consist of high-efficiency LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to 150,000,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV or 6kV surge protection device meets a minimum Category C Low operation (per ANSI/CIE C62.41.2).

#### INSTALLATION
- Included mounting block and integral arm facilitates quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 0 to withstand up to a 3.0 G vibration load rating per ANSI C13.6. The D-Series Size 0 utilizes the AEROS™ series pole drilling pattern. Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

#### LISTINGS

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

#### WARRANTY
- Five-year limited warranty. Full warranty terms located at:
  - [www.lithonia.com](http://www.lithonia.com)

**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.
## WST LED Architectural Wall Sconce

### Specifications

**Luminaire**
- **Height:** 7-1/4" (18.4 cm)
- **Width:** 16-1/4" (41.3 cm)
- **Depth:** 9-1/8" (23.2 cm)
- **Weight:** 17 lbs (7.2 kg)

**Optional Back Box (BBW)**
- **Height:** 4" (10.2 cm)
- **Width:** 5-1/2" (14.6 cm)
- **Depth:** 1-1/2" (3.8 cm)

**Notes:**
- Inverted available with WLU option only.
- MVOLT SF DBLXDX
- Type B

### Introduction

The classic Architectural Wall Sconce is now available with the latest in LED technology. The result is a long-life, maintenance-free product with typical energy savings of 75% compared to metal halide versions. The integral battery backup option provides emergency egress lighting, without the use of a back-box or remote gear, so installations maintain their aesthetic integrity.

The WST LED is ideal for replacing existing 50 – 175W metal halide wall-mounted products. The expected service life is 20+ years of nighttime use.

### Ordering Information

**EXAMPLE:** WST LED 2 10A700/40K SR3 MVOLT DDBTDX

### WST LED

<table>
<thead>
<tr>
<th>Series</th>
<th>Light Engines</th>
<th>Performance Package</th>
<th>Distribution</th>
<th>Voltage</th>
<th>Mounting</th>
<th>Options</th>
<th>Finish (required)</th>
</tr>
</thead>
<tbody>
<tr>
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<td>One engine (20 LEDs)</td>
<td>700 mA Options: 10A900/40K 30000K</td>
<td>SR2 Type II MVOLT*</td>
<td>120V</td>
<td>Shipped included (Blank) Surface mount</td>
<td>DDBTDX Dark bronze</td>
<td></td>
</tr>
<tr>
<td></td>
<td>208V</td>
<td>Shipped separately</td>
<td></td>
<td></td>
<td>BBW Surface-mounted back box</td>
<td>DDBTDX Black</td>
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<tr>
<td></td>
<td>240V</td>
<td></td>
<td></td>
<td></td>
<td>UTS Up to 5 degrees</td>
<td>DDBTDX Natural aluminum</td>
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<td>277V</td>
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<td>DDBTDX White</td>
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<tr>
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<td>480</td>
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<td></td>
<td></td>
<td></td>
<td>DDBTDX Textured bronze</td>
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</tbody>
</table>

### Emergency Battery Operation

The emergency battery backup (ELCW option) is integral to the luminaire - no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

All ELCW configurations include an independent secondary driver with an integral relay to immediately detect AC power loss. Dual light engines are wired in parallel so both engines operate in emergency mode and provide additional component redundancy. These design features meet various interpretations of NFPA 79 NEC 2008 Article 790.16.

The emergency battery will power the luminaires for a minimum duration of 90 minutes (maximum duration of three hours) from the time AC power is lost. The luminaire is powered by the emergency power pack, per International Building Code Section 1006 and NFPA 101 Life Safety Code Section 790.1, provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.

The examples at right show illuminance of 1 ft candelas and 0.1 ft candelas of the single-engine Type IV product in emergency mode.

**WST LED 1 10A900/40K SR4 MVOLT ELCW 10' x 10' Gridlines 8' and 12' Mounting Height**

### NOTES

1. MVOLT driver operates on any line voltage from 120-277V (50/60Hz). Specify 120V, 208V, 240V or 277V options only when ordering with photocontrol (FC option) or fusing (SF, DF options).
2. May also be ordered separately as an accessory. Specify 120V, 208V or 240V option.
3. Must be ordered with fixture; cannot be field installed.
4. Not available with MVOLT option. Button photocell (PE) can be ordered with a dedicated voltage option. Single fuse (SF) requires 120V, 208V, 240V or 277V voltage option. Double fuse (DF) requires 208V, 240V or 480V voltage option.
6. Integral battery backup is rated for -50°F to 120°F (-50°C to 50°C) operating temperature.
7. Not available with WLU option.
8. Available with WLU option at additional cost. See WLU option.
**Lumen Output**

Lumen ratings are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts.

<table>
<thead>
<tr>
<th>Light (ft²)</th>
<th>Beam Control (Rk)</th>
<th>Performance Package</th>
<th>System Watts (W/ULT)</th>
<th>Uvl. Code</th>
<th>RKL (1000C-70°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 (0.90)</td>
<td>700</td>
<td>10A700-1</td>
<td>24W</td>
<td>SR2</td>
<td>2.085</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 (0.90)</td>
<td>700</td>
<td>10A700-4</td>
<td>47W</td>
<td>SR2</td>
<td>2.944</td>
</tr>
</tbody>
</table>

1. See electrical load chart for 347/480V system watts.

**Lumen Ambient Temperature (LAT) Multipliers**

Use these factors to determine relative lumen output for average ambient temperatures from 40°F to 104°F.

<table>
<thead>
<tr>
<th>Ambient</th>
<th>Lumen Multiplier</th>
</tr>
</thead>
<tbody>
<tr>
<td>10°F</td>
<td>0.94</td>
</tr>
<tr>
<td>20°F</td>
<td>0.93</td>
</tr>
<tr>
<td>30°F</td>
<td>0.88</td>
</tr>
<tr>
<td>40°F</td>
<td>0.85</td>
</tr>
</tbody>
</table>

**Projected LED Lumen Maintenance**

Data references extrapolated performance projections for the WST LED 2 104300 platform in a 20°C ambient, based on 50,000 hours of LED testing. (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

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

<table>
<thead>
<tr>
<th>Operating Hour</th>
<th>0</th>
<th>25,000</th>
<th>50,000</th>
<th>100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lumen Multiplier Factor</td>
<td>1.0</td>
<td>0.94</td>
<td>0.88</td>
<td>0.77</td>
</tr>
</tbody>
</table>

**Electrical Load**

<table>
<thead>
<tr>
<th>Light</th>
<th>Beam Control (Rk)</th>
<th>System Watts</th>
<th>Current (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>700</td>
<td>24W</td>
<td>0.24 0.14 0.12 0.1 0.99 1.07</td>
</tr>
<tr>
<td>2</td>
<td>700</td>
<td>47W</td>
<td>0.94 0.87 0.33 0.20 1.07 0.12</td>
</tr>
</tbody>
</table>

**Photometric Diagrams**

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting’s WST LED homepage.

**FEATURES & SPECIFICATIONS**

**INTENDED USE**

The classic architectural shape of the WST LED was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings. The long life LEDs and driver make this luminaire nearly maintenance-free.

**CONSTRUCTION**

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and a remote long-life driver. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicon gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

**FINISH**

Exterior parts are protected by a zinc-coated Super Durable TGIC thermoset powder finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone, and white.

**OPTICS**

Precision-molded acrylic lenses are engineered for superior distribution, uniformity, and spacing in wall-mount applications. Light engines are 4000K (30 CRI). The WST LED has zero uplight and qualifies as a Nighttime Friendly product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

**ELECTRICAL**

Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal core circuit board and integral aluminum heat sinks to maximize heat dissipation and promote long life (100,000 hrs at 25°C, L77). Class 2 electronic driver has a power factor: 90% THD <25%. Easily-serviceable surge protection device meets a minimum Category B (per ANSI/IEEE C62.41.2).

**INSTALLATION**

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections.

**LISTINGS**

CSA certified to U.S. and Canadian standards. Light engines are IP66 rated; luminaire is IP69 rated and suitable for wet locations when mounted with the lenses down. WUL option offers wet location listing in "up" orientation. Rated for -30°C ambient minimum.

**WARRANTY**

Five-year limited warranty. Full warranty terms located at www.lithonia.com/warranty.

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