

BRADLEY INVESTMENT GROUP, LLC
SCH: 850247103
LOT 2A BRADLEY CROSSROADS P.L. NO. 1B

FOUNTAIN MUTUAL
0.10 ACRES (43,560 S.F.)
SCH: 850247100
LINCOLN PLAZA BUILDING, 103
3 PLAT 12425
SCH: 850247100

BRADLEY INVESTMENT GROUP, LLC
SCH: 850247104
LOT 1A BRADLEY CROSSROADS P.L. NO. 1B

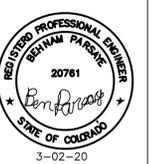
NEW BUILDING (7,460 S.F.)
1830 MAIN STREET
CSW PROPERTIES, INC.
SCH: 850247106
LOT 4A BRADLEY CROSSROADS P.L. NO. 1B

BLUETT HOMES, INC.
SCH: 850247110
TRA THE TOWNHOMES AT BRADLEY CROSSROADS

NATIONAL RETAIL PROPERTIES, LP
SCH: 850247102
LOT 7A BRADLEY CROSSROADS SUB. P.L. NO. 1A

1830 MAIN, LLC
SCH: 850247011
LOT 8A BRADLEY CROSSROADS SUB. P.L. NO. 1A

PHOTO METRIC PLAN
SCALE: 1/16" = 1'0"



B&H ENGINEERS
CONSULTING ELECTRICAL, MECHANICAL & PLUMBING ENGINEERS
3540 HARTSOCK LANE
COLORADO SPRINGS, COLORADO 80917

DATE: 3-02-20
JOB NO.
DRAWN BY: B&H
CHECKED BY: BP

1830 MAIN ST
COLORADO SPRINGS, CO 80911

B&H ENGINEERS

PHOTO METRIC PLAN

PM-1
7 OF 15

- ### GENERAL NOTES
- ALL WORK SHALL BE DONE IN COMPLIANCE WITH ALL LOCAL CODES.
 - ELECTRICAL CONTRACTOR SHALL VISIT SITE AND EXAMINE DRAWINGS OF OTHER TRADES ON THIS PROJECT, ARCHITECTURAL AND MECHANICAL, TO DETERMINE ANY ADDITIONAL WORK THAT MAY BE REQUIRED FOR A COMPLETE AND OPERATIONAL ELECTRICAL INSTALLATION AND SHALL INCLUDE AN ALLOWANCE FOR THIS WORK IN HIS BID.
 - CONTRACTOR SHALL BE HELD RESPONSIBLE FOR VERIFICATION OF EXISTING JOB CONDITIONS PRIOR TO BID. NO ADDITIONAL COSTS SHALL BE AWARDED TO THE SUCCESSFUL CONTRACTOR OR HIS SUBCONTRACTORS.
 - THE CONDUIT SYSTEM AND ALL CONDUCTING WIRE ENCLOSURES SHALL BE SECURELY BONDED TOGETHER.
 - ALL ELECTRICAL PANELS SHALL ACCESSIBLE AND CLEAR OF ALL OBSTRUCTIONS WITH MINIMAL CLEARANCES PER NEC REQUIREMENTS.
 - PROVIDE TYPE-WRITTEN UPDATED PANEL DOOR DIRECTORIES FOR ALL AFFECTED PANELS REFLECTING ALL CIRCUITS WITH THEIR ACCURATE DESTINATIONS.
 - RECEPTACLES 120V DUPLEX GROUNDING TYPE, SHALL BE APPROVED TYPE.
 - SWITCHES SHALL BE TOGGLE TYPE AND APPROVED TYPE.
 - ALL ELECTRICAL EQUIPMENT, DEVICES, CIRCUITING, ETC, SHOWN DIAGRAMMATICALLY ONLY, ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ACTUAL LOCATION AND WIRING AVOIDING MECHANICAL AND OTHER EQUIPMENT.
 - FURNISH AND INSTALL LIGHTING FIXTURES COMPLETE WITH LAMPS, BALLASTS, AND REQUIRED MOUNTING HARDWARE. PRIOR TO ORDERING FIXTURES, VERIFY SECURE MOUNTING METHODS AND FINISHES.
 - THESE NOTES ARE GENERAL AND MAY NOT APPLY TO THE EXACT SCOPE OF WORK.

| Statistics | | | | | | |
|--------------|--------|--------|--------|--------|---------|---------|
| Description | Symbol | Avg | Max | Min | Max/Min | Avg/Min |
| Calc Zone #1 | + | 0.2 fc | 8.5 fc | 0.0 fc | N/A | N/A |

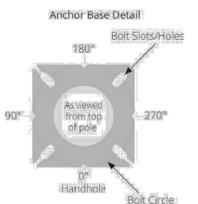
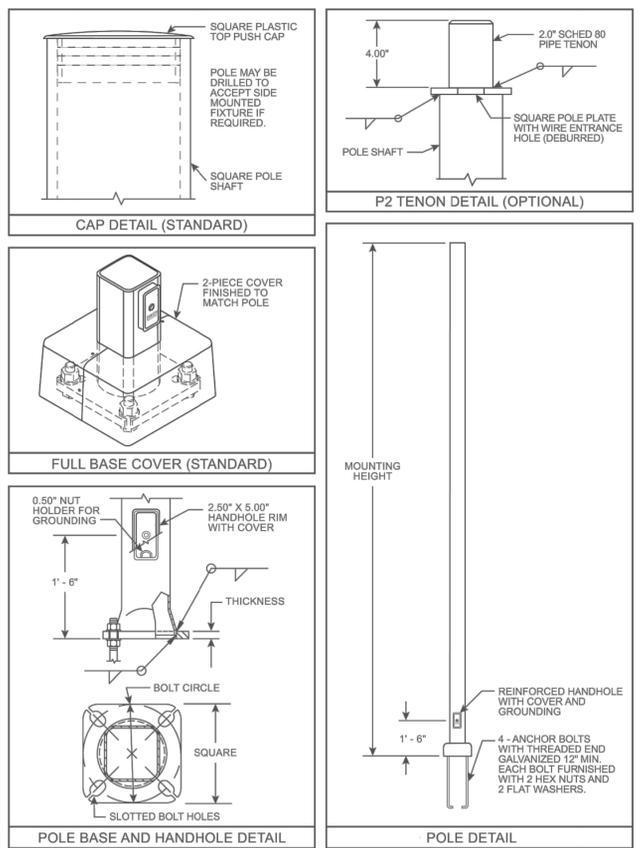
| Luminaries Schedule | | | | | | | | | | | |
|---------------------|-------|----------|-------------------|--|---|--|--------------|---|-----------------|-------------------|---------|
| Symbol | Label | Quantity | Manufacturer | Catalog Number | Description | Lamp | Number Lamps | Filename | Lumens Per Lamp | Light Loss Factor | Wattage |
| □ | A | 8 | RAB LIGHTING INC. | ALED26- ALED26/D10 (AREA LIGHTER) | CAST FINNED METAL HOUSING, MACHINED METAL HEAT SINK, 1 CIRCUIT BOARD WITH 1 LED, MOLDED PLASTIC REFLECTOR WITH SEMI-SPECULAR FINISH, CLEAR FLAT GLASS LENS IN CAST BROWN PAINTED METAL FRAME. FULL CUTOFF | ONE WHITE MULTI-CHIP LIGHT EMITTING DIODE (LED), TILTED 33-DEGREES FROM VERTICAL BASE-UP POSITION. INPUT VOLTAGE TO THE LED DRIVERS. Facade, Government, Harbor, Healthcare, Hospitality, Hotel, Industrial, Institutional, Library Manufacturing, Marine, Medical, Office, Parking, Parks, Pathway Pedestrian, Pool, Recreation Residential, Retail, Site, Tunnel, Underpass, Utility, Walkway Warehouse, Water Treatment, Direct, Emergency, Security | 1 | AREA-LIGHT-RAB-ALED26-rab02619.ies | 3474 | 1 | 30 |
| □ | B | 2 | RAB LIGHTING INC. | ALED10 (Bollard) | CAST METAL HOUSING, ONE CIRCUIT BOARD WITH ONE LED, MOLDED PLASTIC REFLECTOR WITH SEMI-DIFFUSE FINISH, CLEAR FLAT GLASS LENS IN CAST BROWN PAINTED METAL FRAME. FULL CUTOFF | ONE WHITE MULTI-CHIP LIGHT EMITTING DIODE (LED), TILTED 30-DEGREES FROM VERTICAL BASE-UP POSITION. WPLD10Y (WALLPACK) - ALED10Y (AREA LIGHTER) - BLED10Y (BOLLARD). ACTUAL PERFORMANCE MAY VARY. Government, Harbor, Healthcare, Hospitality, Hotel, Industrial, Institutional, Library, Manufacturing, Marine, Medical, Office, Parking, Parks, Pathway Pedestrian, Pool, Recreation Residential, Retail, Site, Tunnel, Underpass, Utility, Walkway, Warehouse, Water Treatment, Direct, Emergency, Security, Damp Location, Wet Location | 1 | AREA-LIGHT-RAB-ALED10-rab02318mod50 (1).ies | 1207 | 1 | 12.4 |
| ○ | C | 5 | WAC Lighting | WS-W68627-BZ A010416 | WALL MOUNTED FULL CUTOFF | | 1 | FRONT-LIGHTS-WS-W68627-BZ A010416.IES | 731 | 1 | 23.5 |
| □ | D | 10 | RAB LIGHTING INC. | WPLD10 (WALLPACK) - ALED10 (AREA LIGHTER) - BLED10 (Bollard) | CAST METAL HOUSING, ONE CIRCUIT BOARD WITH ONE LED, MOLDED PLASTIC REFLECTOR WITH SEMI-DIFFUSE FINISH, CLEAR FLAT GLASS LENS IN CAST BROWN PAINTED METAL FRAME. FULL CUTOFF | ONE WHITE MULTI-CHIP LIGHT EMITTING DIODE (LED), TILTED 30-DEGREES FROM VERTICAL BASE-UP POSITION. WPLD10Y (WALLPACK) - ALED10Y (AREA LIGHTER) - BLED10Y (BOLLARD). ACTUAL PERFORMANCE MAY VARY. Government, Harbor, Healthcare, Hospitality, Hotel, Industrial, Institutional, Library, Manufacturing, Marine, Medical, Office, Parking, Parks, Pathway Pedestrian, Pool, Recreation Residential, Retail, Site, Tunnel, Underpass, Utility, Walkway, Warehouse, Water Treatment, Direct, Emergency, Security, Damp Location, Wet Location | 1 | WALL-PACK-WPLD10-rab02318mod50 (2).ies | 1207 | 1 | 12.4 |

EPA Load Information

| BASE MODEL | 80 MPH w/ 1.3 GUST | | 90 MPH w/ 1.3 GUST | | 100 MPH w/ 1.3 GUST | |
|-------------------------|--------------------|------------------|--------------------|------------------|---------------------|------------------|
| | MAX EPA (SOFT) | MAX WEIGHT (LBS) | MAX EPA (SOFT) | MAX WEIGHT (LBS) | MAX EPA (SOFT) | MAX WEIGHT (LBS) |
| VS-SSA-10-4040-11-AB-FP | 30.6 | 765 | 23.8 | 595 | 18.9 | 473 |
| VS-SSA-12-4040-11-AB-FP | 24.4 | 610 | 18.8 | 470 | 14.8 | 370 |
| VS-SSA-14-4040-11-AB-FP | 19.9 | 498 | 15.1 | 378 | 11.7 | 293 |
| VS-SSA-15-4040-11-AB-FP | 15.9 | 398 | 11.8 | 295 | 8.9 | 223 |
| VS-SSA-16-4040-11-AB-FP | 15.9 | 398 | 11.8 | 295 | 8.9 | 223 |
| VS-SSA-18-4040-11-AB-FP | 12.6 | 315 | 9.2 | 230 | 6.7 | 168 |
| VS-SSA-20-4040-11-AB-FP | 9.6 | 240 | 6.7 | 167 | 4.5 | 150 |
| VS-SSA-20-4040-07-AB-FP | 15.8 | 240 | 12.7 | 167 | 9 | 150 |
| VS-SSA-20-5050-11-AB-FP | 17.7 | 443 | 12.7 | 343 | 9.4 | 235 |
| VS-SSA-20-5050-07-AB-FP | 28.1 | 703 | 21.4 | 535 | 16.2 | 405 |
| VS-SSA-25-4040-11-AB-FP | 4.8 | 150 | 2.6 | 100 | 1 | 50 |
| VS-SSA-25-4040-07-AB-FP | 10.8 | 270 | 7.7 | 188 | 5.4 | 135 |
| VS-SSA-25-5050-11-AB-FP | 9.8 | 245 | 6.3 | 157 | 3.7 | 150 |
| VS-SSA-25-5050-07-AB-FP | 18.8 | 463 | 13.3 | 333 | 9.5 | 238 |
| VS-SSA-30-4040-07-AB-FP | 6.7 | 168 | 4.4 | 110 | 2.6 | 65 |
| VS-SSA-30-5050-11-AB-FP | 4.7 | 150 | 2 | 50 | N/A | N/A |
| VS-SSA-30-5050-07-AB-FP | 10.7 | 267 | 6.7 | 167 | 3.9 | 100 |
| VS-SSA-30-6060-07-AB-FP | 19 | 475 | 13.2 | 330 | 9 | 225 |
| VS-SSA-35-5050-07-AB-FP | 5.9 | 150 | 2.5 | 100 | N/A | N/A |
| VS-SSA-35-6060-07-AB-FP | 12.4 | 310 | 7.6 | 190 | 4.2 | 105 |
| VS-SSA-40-6060-07-AB-FP | 7.2 | 180 | 3 | 75 | N/A | N/A |

Designation & Dimensional Information

| BASE MODEL | POLE DIMENSIONS | | | | BASE PLATE | | | ANCHOR BOLTS | |
|-------------------------|------------------------------|-------------|--------------|---------------|------------------------|----------------------|----------------------|--------------------------|-----------------|
| | NOMINAL MOUNTING HEIGHT (IN) | TOP SQ (IN) | BASE SQ (IN) | WALL THK (IN) | STRUCTURE WEIGHT (LBS) | BOLT/CIRCLE DIA (IN) | SQ (IN) x THICK (IN) | DIA x LENGTH x HOOK (IN) | PROJECTION (IN) |
| VS-SSA-10-4040-11-AB-FP | 10'-0" | 4 | 4 | 11 | 90 | 8.0-9.0 | 8.25 x 0.75 | 0.75 x 17.00 x 3.00 | 3.25-3.75 |
| VS-SSA-12-4040-11-AB-FP | 12'-0" | 4 | 4 | 11 | 100 | 8.0-9.0 | 8.25 x 0.75 | 0.75 x 17.00 x 3.00 | 3.25-3.75 |
| VS-SSA-14-4040-11-AB-FP | 14'-0" | 4 | 4 | 11 | 110 | 8.0-9.0 | 8.25 x 0.75 | 0.75 x 17.00 x 3.00 | 3.25-3.75 |
| VS-SSA-15-4040-11-AB-FP | 15'-0" | 4 | 4 | 11 | 115 | 8.0-9.0 | 8.25 x 0.75 | 0.75 x 17.00 x 3.00 | 3.25-3.75 |
| VS-SSA-16-4040-11-AB-FP | 16'-0" | 4 | 4 | 11 | 125 | 8.0-9.0 | 8.25 x 0.75 | 0.75 x 17.00 x 3.00 | 3.25-3.75 |
| VS-SSA-18-4040-11-AB-FP | 18'-0" | 4 | 4 | 11 | 140 | 8.0-9.0 | 8.25 x 0.75 | 0.75 x 17.00 x 3.00 | 3.25-3.75 |
| VS-SSA-20-4040-11-AB-FP | 20'-0" | 4 | 4 | 11 | 200 | 8.0-9.0 | 8.25 x 0.75 | 0.75 x 17.00 x 3.00 | 3.38-3.88 |
| VS-SSA-20-4040-07-AB-FP | 20'-0" | 4 | 4 | 7 | 200 | 8.0-9.0 | 8.25 x 0.75 | 0.75 x 17.00 x 3.00 | 3.38-3.88 |
| VS-SSA-20-5050-11-AB-FP | 20'-0" | 5 | 5 | 11 | 185 | 10.0-12.0 | 11 x 1 | 0.75 x 17.00 x 3.00 | 3.5-4 |
| VS-SSA-20-5050-07-AB-FP | 20'-0" | 5 | 5 | 7 | 265 | 10.0-12.0 | 11 x 1 | 0.75 x 17.00 x 3.00 | 3.5-4 |
| VS-SSA-25-4040-11-AB-FP | 25'-0" | 4 | 4 | 11 | 170 | 8.0-9.0 | 8.25 x 0.75 | 0.75 x 17.00 x 3.00 | 3.25-3.75 |
| VS-SSA-25-4040-07-AB-FP | 25'-0" | 4 | 4 | 7 | 245 | 8.0-9.0 | 8.25 x 0.75 | 0.75 x 17.00 x 3.00 | 3.38-3.88 |
| VS-SSA-25-5050-11-AB-FP | 25'-0" | 5 | 5 | 11 | 225 | 10.0-12.0 | 11 x 1 | 0.75 x 17.00 x 3.00 | 3.5-4 |
| VS-SSA-25-5050-07-AB-FP | 25'-0" | 5 | 5 | 7 | 360 | 10.0-12.0 | 11 x 1 | 0.75 x 17.00 x 3.00 | 3.5-4 |
| VS-SSA-30-4040-07-AB-FP | 30'-0" | 4 | 4 | 7 | 291 | 8.0-9.0 | 8.25 x 0.875 | 0.75 x 17.00 x 3.00 | 3.38-3.88 |
| VS-SSA-30-5050-11-AB-FP | 30'-0" | 5 | 5 | 11 | 265 | 10.0-12.0 | 11 x 1 | 0.75 x 17.00 x 3.00 | 3.5-4 |
| VS-SSA-30-5050-07-AB-FP | 30'-0" | 5 | 5 | 7 | 390 | 10.0-12.0 | 11 x 1 | 0.75 x 17.00 x 3.00 | 3.5-4 |
| VS-SSA-35-5050-07-AB-FP | 35'-0" | 6 | 6 | 7 | 520 | 11.0-13.0 | 12.5 x 1 | 1.00 x 36.00 x 4.00 | 4-4.5 |
| VS-SSA-35-6060-07-AB-FP | 35'-0" | 6 | 6 | 7 | 440 | 10.0-12.0 | 11 x 1 | 0.75 x 17.00 x 3.00 | 3.5-4 |
| VS-SSA-40-6060-07-AB-FP | 40'-0" | 6 | 6 | 7 | 605 | 11.0-13.0 | 12.5 x 1 | 1.00 x 36.00 x 4.00 | 4-4.5 |



1. The total combined EPA and weight of all fixtures, brackets and attachments mounting to a light pole cannot exceed the EPA and weight rating for a specified pole.

2. Standard EPA (Effective Projected Area) and weight values are based on Standard Commercial Criteria (with 1.3 gust factor) for side mounted fixtures only. Consult the factory on loading criteria for pole top mounted luminaires and/or brackets.

3. Satisfactory performance of light poles is dependent upon the pole being properly attached to a supporting foundation of adequate design.

Note: Additional sizes and configurations are available upon request.

* Indicates a vibration dampener is standard

Ordering Information

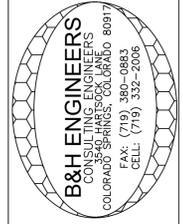
Ex. VS-SSA-10-4040-11-AB-FP-DB-D1-EHH

| Designation | Length | Base OD | Top OD | Thickness | Anchor Bolts | Finish Type | Painted Color | Fixture Mounting |
|----------------------------|----------|-----------------|-----------------|--------------------|-------------------------------------|---|---|---|
| VS-SSA + Steel Anchor Base | 10 to 40 | 40 = 4" 40 = 4" | 50 = 5" 50 = 5" | 07 = 7ga 11 = 11ga | AB = Anchor Bolts L&B = Anchor Bolt | 07 = Galvanized Only (No Paint) FP = Factory Painted Finish PPOV = Paint over Galvanizing | DB = Dark Bronze MB = Medium Bronze LG = Light Grey DG = Dark Green HG = Hunter Green SG = Slate Grey BK = Black BW = White SL = Silver SC = Custom | DBL Mounting (includes cap) D1 = Single D2 = 2@180 deg. D3 = 3@120 deg. D4 = 4@90 deg. D5 = 2@90 deg. D6 = 3@90 deg. Tenon Mounting P1 = 4" OD x 3" Long Tenon P2 = 2.38" OD x 4" Long Tenon P3 = 3.50" OD x 6" Long Tenon P4 = 4" OD x 6" Long Tenon P5 = 2.88" OD x 4" Long Tenon P6 = 2.88" OD x 5" Long Tenon P7 = 2.38" OD x 8" Long Tenon P8 = 2.38" OD x 12" Long Tenon P9 = 3" OD x 3" Long Tenon P0 = Custom Size Tenon Other Options PC = Cap Only, No Side Drilling PL = Open Top, No Cap or Side Drilling |

| Options & Accessories | Description |
|-----------------------|--|
| SPL | Special Out Length (Please Specify) |
| BSPCL | Special Base Plate to Match Existing Bolt Circle (May Add 2 Weeks to Production Lead Time, May Require Special Base Cover) |
| VDA | Internal Vibration Damper, Factory Installed |
| VDF | Internal Vibration Damper, Field Installable |
| FBCP | Steel Full Base Cover |
| FBCX | ABS Plastic Full Base Cover |
| LLHM | UL Compliant Hand Hole |
| NECHM | NEC 410.30 Compliant Hand Hole & Cover |
| EHM | Additional Hand Hole Opening w/ Cover (Specify Pole Height & Orientation) |
| FST | Feston Provision, Electrical by Others (Specify Pole Height & Orientation) |
| CPL | NPT Pipe Coupling (Specify Pole Height, Orientation & NPT Size) |
| FXDX | Slide Drill + Tenon w/ Additional Hand Hole (Specify Tenon OD & Length) |

| Stamp | Description |
|---------|--|
| STAMP | Engineering Services, Signed & Sealed Calc |
| STAMPCA | Engineering Services, CA, Signed & Sealed Calc |
| PRESD | Pre-Shop Anchor Bolts - 0.75" x 17" x 4" |
| PRESD0 | Pre-Shop Anchor Bolts - 1.0" x 36" x 4" |

Note: Please consult factory or your sales representative to verify options and accessories will work with your light pole part number.



B&H ENGINEERS
 CONSULTING ELECTRICAL, MECHANICAL & PLUMBING ENGINEERS
 3540 HARTSOCK LANE
 COLORADO SPRINGS, COLORADO 80917
 (719) 392-2006
 (719) 390-0863
 (719) 332-2006
 REVISION/DATE
 FILE NAME

DATE: 3-02-20
 JOB NO.
 DRAWN BY: B&H
 CHECKED BY: BP

1830 MAIN ST
COLORADO SPRINGS, CO 80911

B&H ENGINEERS

PHOTO METRIC SCHEDULES

PM-2 OF 15

"A" LIGHT

ALED26

RAB



Color: Bronze Weight: 6.3 lbs

Project: _____ Type: _____
 Prepared By: _____ Date: _____

| Driver Info | | LED Info | |
|-------------|------------------|----------------|--------------|
| Type | Constant Current | Watts | 26.00W |
| 120V | 0.17A | Color Temp | 5000K (Cool) |
| 208V | 0.11A | Color Accuracy | 72 CRI |
| 240V | 0.10A | L70 Lifespan | 100,000 |
| 277V | 0.09A | Lumens | 3,483 |
| Input Watts | 29.10W | Efficacy | 119.7 LPW |
| Efficiency | 89% | | |

Technical Specifications

Listings
 UL Listed:
 Suitable for wet locations
IESNA LM-79 & IESNA LM-80 Testing:
 RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.
Dark Sky Conformance:
 Conforms to (allows for conformance to) the IESNA's fully shielding requirement, emitting no light above 90 degrees (with the exclusion of incidental light reflecting from fixture housing, mounts, and pole).
DLC Listed:
 This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. DLC Product Code: P00001700
LED Characteristics
Lifespan:
 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations
Lumen Maintenance:
 The LED will deliver 70% of its initial lumens at 100,000 hours of operation
Color Consistency:
 7-step MacAdam Ellipse binning to achieve consistent future-to-future color

Color Stability:
 LED color temperature is warranted to shift no more than 200K in CCT over a 5-year period
Color Uniformity:
 RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.
Construction
 IP Rating:
 Ingress Protection rating of IP66 for dust and water
IES Classification:
 The Type IV distribution (also known as a Forward Throw) is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semi-circular distribution with essentially the same candela over at lateral angles from 90° to 270°.
Housing:
 Precision die-cast aluminum housing, lens frame
Gaskets:
 High-temperature silicone
Effective Projected Area:
 EPA = 0.27

Finish:
 Formulated for high durability and long-lasting color
Green Technology:
 Mercury and UV free. RoHS-compliant components
Ambient Temperature:
 Suitable For use in 40°C (104°F)
Cold Weather Starting:
 Minimum starting temperature is -40°C (-40°F)
Other
Patents:
 The ALED design is protected by U.S. PATENT D608,040 and patents pending in the U.S., Canada, China, Taiwan and Mexico.

Need help? Tech help line: (888) 722-1000 Email: custserv@rablighting.com Website: www.rablighting.com
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"A" LIGHT

ALED26

RAB

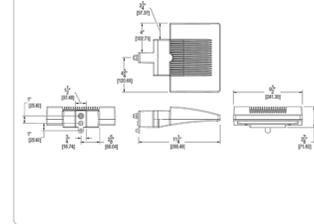
Technical Specifications (continued)

Other
 Equivalent to 120W Pulse Start Metal Halide
Warranty:
 RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.
Buy American Act Compliance:
 RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Optical
BUG Rating:
 81 LU GO
Electrical
Driver:
 Multi-chip 26W high output long life LED Driver
 Constant Current, 720mA, Class 2, 6V Surge Protection, 100V-277V, 50-60 Hz, 100-240V/4 Arms.
THD:
 11.91% at 120V, 9.58% at 277V

Power Factor:
 99.1% at 120V, 93.1% at 277V

Dimensions



Features

High output LED light engine
 Maintains 70% of initial lumens at 100,000-hours
 Weatherproof high temperature silicone gaskets
 Superior heat sinking with die cast aluminum housing and external fins

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Page 2 of 2

"B" LIGHT

ALED10

RAB



Color: Bronze Weight: 3.2 lbs

Project: _____ Type: _____
 Prepared By: _____ Date: _____

| Driver Info | | LED Info | |
|-------------|------------------|----------------|--------------|
| Type | Constant Current | Watts | 10.00W |
| 120V | 0.1A | Color Temp | 5000K (Cool) |
| 208V | 0.07A | Color Accuracy | 73 CRI |
| 240V | 0.06A | L70 Lifespan | 100,000 |
| 277V | 0.05A | Lumens | 1,208 |
| Input Watts | 12.40W | Efficacy | 97.4 LPW |
| Efficiency | 81% | | |

Technical Specifications

Listings
 UL Listed:
 Suitable for wet locations
IESNA LM-79 & IESNA LM-80 Testing:
 RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.
Dark Sky Conformance:
 Conforms to (allows for conformance to) the IESNA's fully shielding requirement, emitting no light above 90 degrees (with the exclusion of incidental light reflecting from fixture housing, mounts, and pole).
DLC Listed:
 This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. DLC Product Code: PTWJ0WBD
LED Characteristics
Lifespan:
 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations
Lumen Maintenance:
 The LED will deliver 70% of its initial lumens at 100,000 hours of operation
Color Consistency:
 7-step MacAdam Ellipse binning to achieve consistent future-to-future color

Color Stability:
 LED color temperature is warranted to shift no more than 200K in CCT over a 5-year period
Color Uniformity:
 RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.
Construction
IES Classification:
 The Type III distribution is ideal for roadway, general parking, and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.
Housing:
 Integral-cast aluminum mounting pad and external fins for optimum heat sinking to ensure cool operation with maximum LED life and light output
Gaskets:
 High-temperature silicone
Finish:
 Formulated for high durability and long-lasting color
Green Technology:
 Mercury and UV free. RoHS-compliant components.

Effective Projected Area:
 EPA = 0.2
Maximum Ambient Temperature:
 Suitable for use in 40°C (104°F)
Maximum EPA:
 Fixed Arm = 0.10
Other
Patents:
 The design of the ALED is protected by patents pending in Canada, U.S., China and Taiwan.

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"B" LIGHT

ALED10

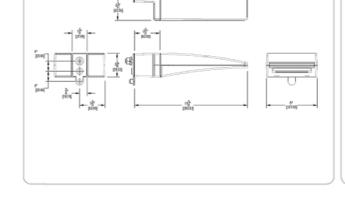
RAB

Technical Specifications (continued)

Other
 HID Replacement Range:
 Replaces 35 - 50W Metal Halide
Equivalency:
 Equivalent to 70W Pulse Start Metal Halide
Warranty:
 RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.
Buy American Act Compliance:
 RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.
Optical
BUG Rating:
 81 LU GO
Electrical
THD:
 10.8% at 120V, 13.8% at 277V

Power Factor:
 98.5% at 120V, 92.1% at 277V

Dimensions



Features

High output LED light engine
 Maintains 70% of initial lumens at 100,000-hours
 Weatherproof high temperature silicone gaskets
 Superior heat sinking with die cast aluminum housing and external fins

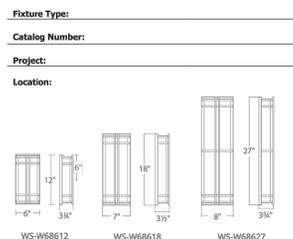
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"C" LIGHT

SKYSCRAPER Exterior Scones
 WS-W68612 / WS-W68618 / WS-W68627

MODERN FORMS



PRODUCT DESCRIPTION

Elevate your space. A classic architectural design thoughtfully engineered for robustness to withstand commercial use for interiors or exteriors. A UV stabilized acrylic diffuser and marine grade stainless steel structure complete this specification-grade wall mount luminaire. Available in either black, bronze or stainless steel finish.

FEATURES

- F1-rated acrylic
- Weather-resistant powder coat
- SS - 316 marine-grade stainless steel or bronze-finished aluminum (BZ & BK - Aluminum construction)
- No transformer or driver needed
- 277V options available
- Dimmer: ELV
- Rated Life: 80,000 hours
- Color temp: 3000K
- 2700K and 3500K special order
- CRI:90

ORDER NUMBER

| Model | Height | Wattage | Voltage | LED Lumens | Delivered Lumens | Finish | |
|-----------|--------|---------|---------|------------|------------------|-----------------|--------|
| WS-W68612 | 12" | 12W | 605 | 418 | BK | Black | |
| WS-W68618 | 18" | 19W | 120V | 1096 | 741 | BZ | Bronze |
| WS-W68627 | 27" | 24W | 1722 | 880 | SS | Stainless Steel | |

Example: WS-W68612-BZ
 For 277V special order, add an "F" before the finish: WS-W68612F-BZ
 For 2700K add "-27"; 3500K add "-35" before the finish: WS-W68618-35-SS

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 Fax (800) 526.2585 Port Washington, NY 11050

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Modern Forms retains the right to modify the design of our products at any time as part of the company's continuous improvement program. Feb 2019

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"D" LIGHT

WPLED10

RAB



Color: Bronze Weight: 3.3 lbs

Project: _____ Type: _____
 Prepared By: _____ Date: _____

| Driver Info | | LED Info | |
|-------------|------------------|----------------|--------------|
| Type | Constant Current | Watts | 10.00W |
| 120V | 0.1A | Color Temp | 5000K (Cool) |
| 208V | 0.07A | Color Accuracy | 73 CRI |
| 240V | 0.06A | L70 Lifespan | 100,000 |
| 277V | 0.05A | Lumens | 1,208 |
| Input Watts | 12.40W | Efficacy | 97.4 LPW |
| Efficiency | 81% | | |

Technical Specifications

Listings
 UL Listed:
 Suitable for Wet Locations as a Downlight. Suitable for Damp Locations as an Uplight, Wall Mount only. Suitable for Mounting within 4ft. of ground.
IESNA LM-79 & IESNA LM-80 Testing:
 RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.
DLC Listed:
 This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. DLC Product Code: PXP2J2LL
LED Characteristics
Lifespan:
 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations
Lumen Maintenance:
 The LED will deliver 70% of its initial lumens at 100,000 hours of operation
Color Consistency:
 7-step MacAdam Ellipse binning to achieve consistent future-to-future color
Color Stability:
 LED color temperature is warranted to shift no more than 200K in CCT over a 5-year period
Color Uniformity:
 RAB's of CCT (Correlated color temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI

Buy American Act Compliance:
 RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.
Optical
BUG Rating:
 81 LU GO
Electrical
Driver:
 Multi-chip 10W high output long life LED Driver
 Constant Current, Class II, 120V-240V, 50/60 Hz, 350mA
THD:
 10.8% at 120V, 13.8% at 277V
Power Factor:
 98.5% at 120V, 92.1% at 277V
Other
Patents:
 The LPACK design is protected under patents in the U.S. Pat. D608,040; Canada Pat. 130,243; China Pat. 200930183252.2, and pending patents in Taiwan and Mexico.

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"D" LIGHT

WPLED10

RAB

Technical Specifications (continued)

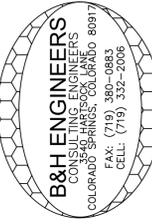
Other
Warranty:
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Optical
BUG Rating:
 81 LU GO

Dimensions

Features
 High performance LED light engine
 Maintains 70% of initial lumens at 100,000-hours
 Weatherproof high temperature silicone gaskets
 Superior heat sinking with die cast aluminum housing and external fins
 5-Year, No-Compromise Warranty

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CONSULTING ELECTRICAL, MECHANICAL & PLUMBING ENGINEERS
 3540 HARTSOCK LANE
 COLORADO SPRINGS, COLORADO 80917
 (719) 392-2006

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 CHECKED BY: BP

1830 MAIN ST
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