



Item No. 9 Town of Atherton

CITY COUNCIL STAFF REPORT – CONSENT AGENDA

**TO: HONORABLE MAYOR AND CITY COUNCIL
GEORGE RODERICKS, CITY MANAGER**

FROM: ROBERT OVADIA, PUBLIC WORKS DIRECTOR

DATE: JUNE 16, 2021

**SUBJECT: AWARD OF CONTRACT FOR THE HOLBROOK-PALMER
PARK PARKING LOT LIGHTING REPLACEMENT PROJECT,
PROJECT NUMBER 56081**

RECOMMENDATION

Award the construction contract for Project, project number 56081 Holbrook-Palmer Park Parking Lot Lighting Replacement Project 56081 to the lowest responsive bidder, W. Bradley Electric, Inc. of Novato, CA for \$55,050 and authorize change orders up to \$7,000; direct the City Attorney to prepare the contract; and authorize the City Manager to execute the contract on behalf of the Town.

BACKGROUND

The Holbrook-Palmer Park Master Plan, adopted in 2015, recommended replacement of the parking lot lights with updated LED fixtures for increased efficiency. The project is included in the Fiscal Year 2020-2021 Capital Improvement Program budget as a carryover project from the prior fiscal year.

The Park and Recreation Committee reviewed the initial recommendations on light poles and fixtures in 2020. During the review of the fixtures and furnishings for the Holbrook-Palmer Park Access and Circulation project, the Committee opined on various furnishings for the park, including light fixtures. The plans and specifications were updated to reflect the selected light fixtures.

ANALYSIS

Public Works staff administered an informal bidding process for the Holbrook-Palmer Park Parking Lot Lighting Replacement Project. Bids were reviewed on May 27, 2021. Three (3) bids were received for the Holbrook-Palmer Park Parking Lot Lighting Replacement Project as follows:

<u>CONTRACTOR</u>	<u>LOCATION</u>	<u>BID</u>
W Bradley Electric, Inc.	Redwood City	\$55,050
Cal West Lighting & Signal	San Jose	\$77,000
Silverado Valley Electric	Clayton	\$94,100

The Engineer's Estimate for the Holbrook-Palmer Park Parking Lot Lighting Replacement Project is \$90,000.

COMMUNITY NOTIFICATION

The project schedule will be coordinated with the contractor in consideration of anticipated events and park use. Staff will also advise the Park and Recreation Committee and will post the construction schedule on the Town's website and distributed via the Town's electronic news network.

POLICY FOCUS

The project will provide lighting improvements to the Holbrook Palmer Park parking lot as recommended in the Holbrook-Palmer Park Master Plan.

FISCAL IMPACT

The Capital Improvements Program Budget includes a budgetary estimate of \$130,000 for the replacement of the parking lot lights.

PUBLIC NOTICE

Public notification was achieved by posting the agenda, with this agenda item being listed, at least 72 hours prior to the meeting in print and electronically. Information about the project is also disseminated via the Town's electronic News Flash and Atherton Online. There are approximately 1,200 subscribers to the Town's electronic News Flash publications. Subscribers include residents as well as stakeholders – to include, but be not limited to, media outlets, school districts, Menlo Park Fire District, service providers (water, power, and sewer), and regional elected officials.

COMMISSION/COMMITTEE FEEDBACK/REFERRAL

This item X has or has not been before a Town Committee or Commission.

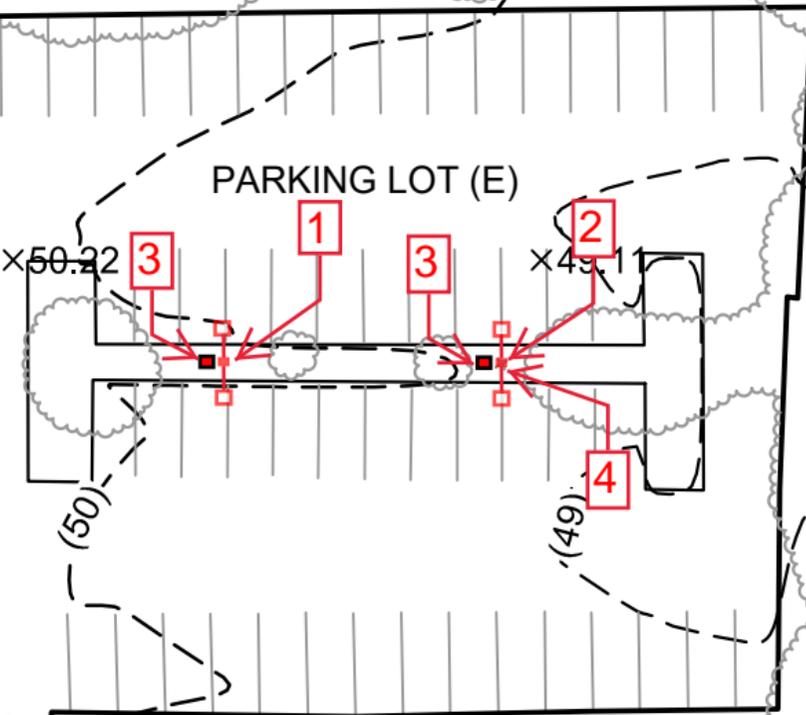
- Audit/Finance Committee (meets every other month)
- Bicycle/Pedestrian Committee (meets as needed)
- Civic Center Advisory Committee (meets as needed)
- Environmental Programs Committee (meets every other month)
- X Park and Recreation Committee (meets each month)
- Planning Commission (meets each month)

- Rail Committee (meets every other month)
- Transportation Committee (meets every other month)

ATTACHMENTS

1. Project plans

ATTACHMENT 1



- 1** Replace existing dual-head light fixture - 15 foot Pole
- 2** Replace existing dual-head light fixture with dual-head - 20 foot pole including Removal and re-installation of WiFi repeater and security camera
- 3** Install new electric pull box
- 4** Install new exterior GFCI outlet with locking cover at base of new light pole

ENTRY LAWN (E)

ATTACHMENT 1

- 3** Install new electric pull box
- 4** Install new exterior GFCI outlet with locking cover at base of new light pole
- 5** Replace existing single-head light fixture - 15 foot pole
- 6** Replace existing single-head light fixture with single-head - 20 foot pole including Removal and re-installation of WiFi repeater and security camera

×52.98

×52.18

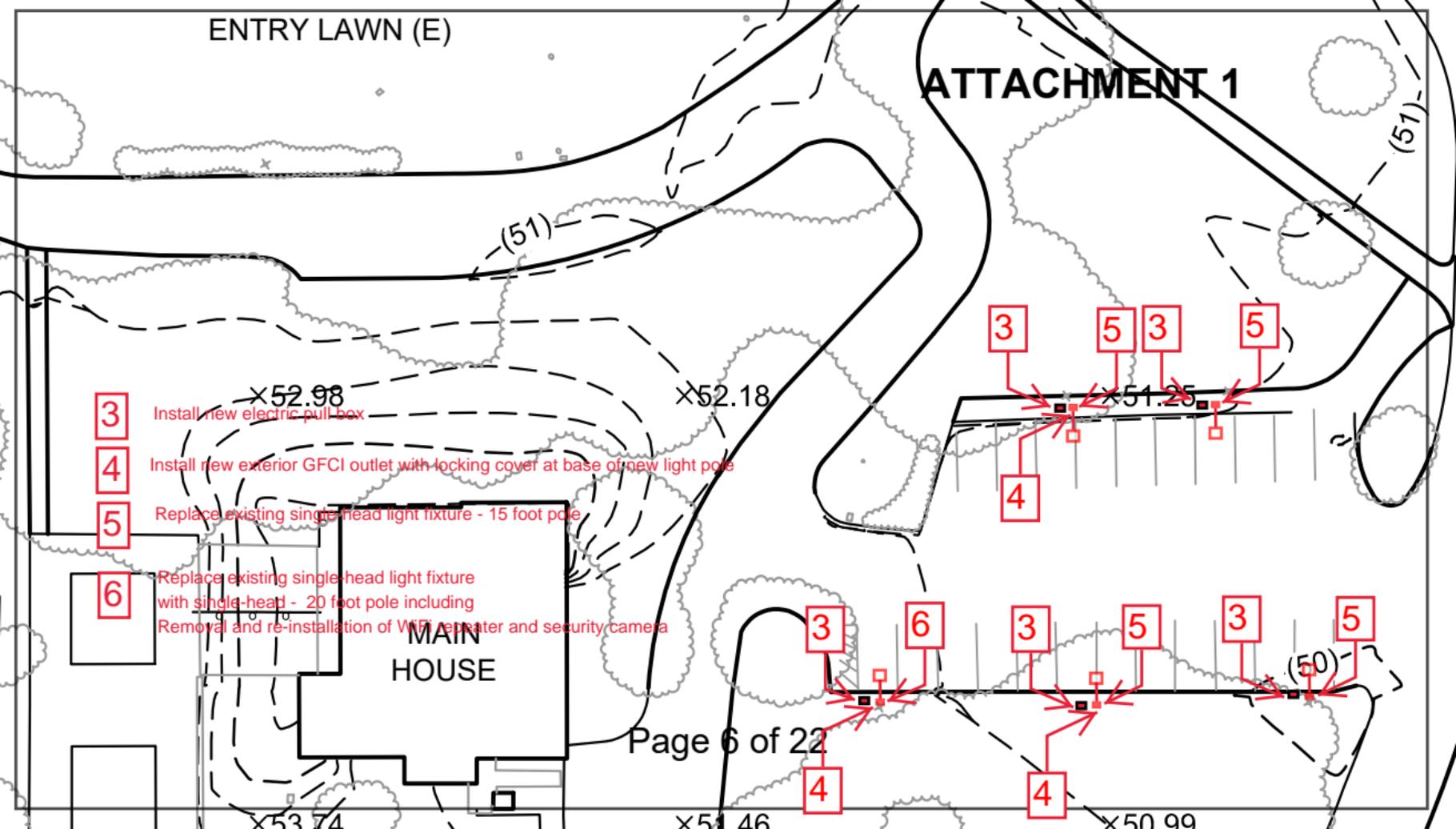
×51.25

MAIN HOUSE

×53.74

×51.46

×50.99



ATTACHMENT 1

×52.34

×52.64

×5

- 3** install new electric pull box
- 4** install new exterior GFCI outlet with locking cover at base of new light pole
- 5** replace existing single-head light fixture - 15 foot pole

PARKING LOT (E)

3 2.81

5

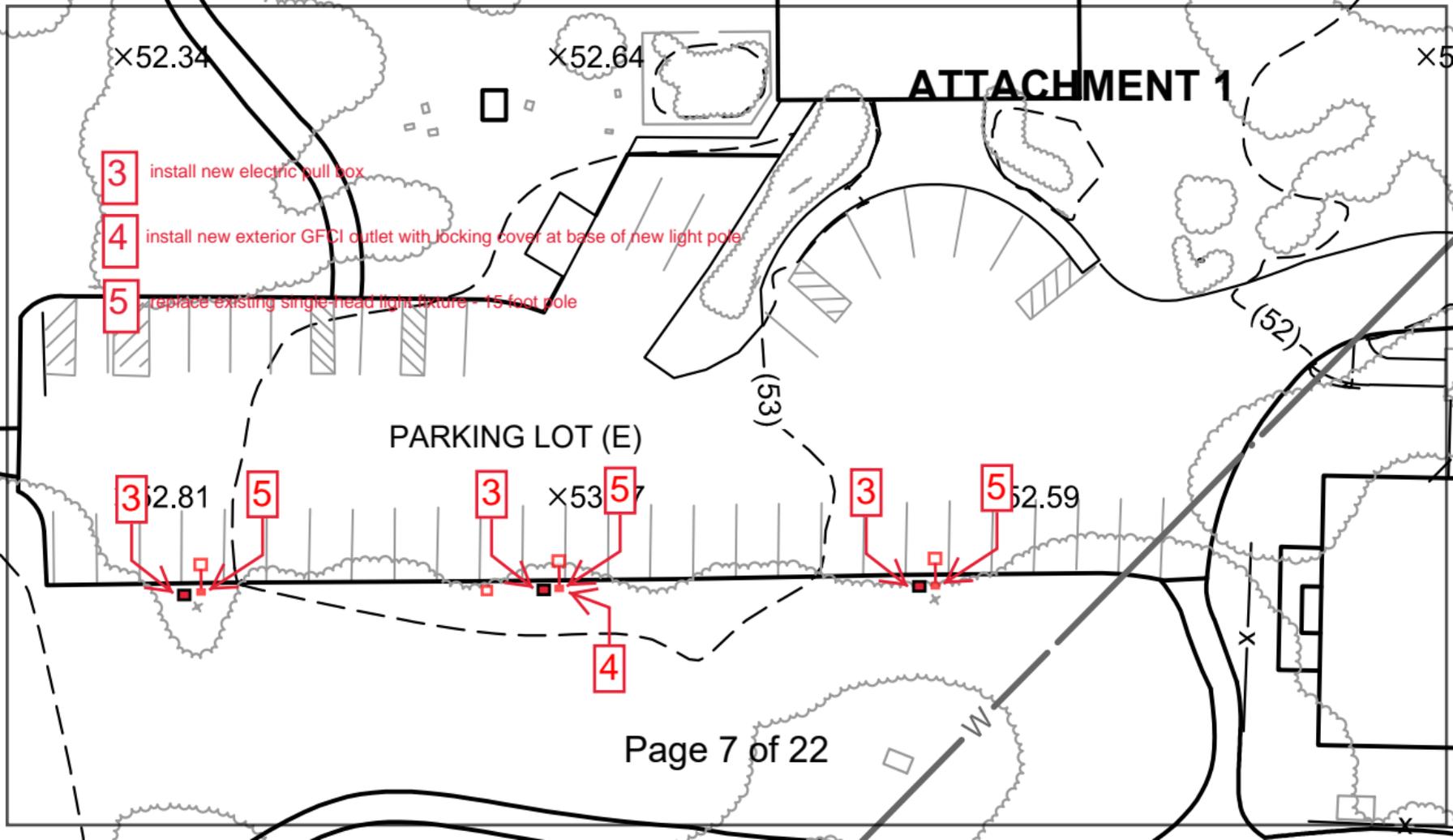
3

×53 **5** 7

3

5 2.59

4



ATTACHMENT 1



Existing Dual Head with
Timer and GFCI



Existing Dual Head with
Repeaters and Camera



Existing Single Heads



Existing Single Head
With Timer



Existing Single Head with
Repeaters and Camera



Square steel poles drilled for 2 Area Lights at 180°. Designed for ground mounting. Poles are stocked nationwide for quick shipment. Protective packaging ensures poles arrive at the job site good as new.

Color: Bronze

Weight: 105.8 lbs

Project:	Type:
Prepared By:	Date:

Technical Specifications

Listings

CSA Listed:

Suitable for wet locations

Construction

Shaft:

46,000 p.s.i. minimum yield.

Hand Holes:

Reinforced with grounding lug and removable cover

Base Plates:

Slotted base plates 36,000 p.s.i.

Shipping Protection:

All poles are shipped in individual corrugated cartons to prevent finish damage

Color:

Bronze powder coating

Height:

15 FT

Weight:

106 lbs

Gauge:

11

Wall Thickness:

1/8"

Shaft Size:

4"

Hand Hole Dimensions:

3" x 5"

Bolt Circle:

8 1/2"

Base Dimension:

8"

Anchor Bolt:

Galvanized anchor bolts and galvanized hardware and anchor bolt template. All bolts have a 3" hook.

Anchor Bolt Templates:

WARNING Template must be printed on 11" x 17" sheet for actual size. CHECK SCALE BEFORE USING. Templates shipped with anchor bolts and available [online](#).

Pre-Shipped Anchor Bolts:

Bolts can be pre-shipped upon request for additional freight charge

Max EPA's/Max Weights:

- 70MPH 17.4 ft./450 lb.
- 80MPH 12.5 ft./440 lb.
- 90MPH 9.0 ft./440 lb.
- 100MPH 6.6 ft./440 lb.
- 110MPH 4.8 ft./435 lb.
- 120MPH 3.4 ft./435 lb.
- 130MPH 2.3 ft./430 lb.
- 140MPH 1.4 ft./430 lb.
- 150MPH 0.8 ft./420 lb.

Other

Terms of Sale:

Pole Terms of Sale is available [online](#).

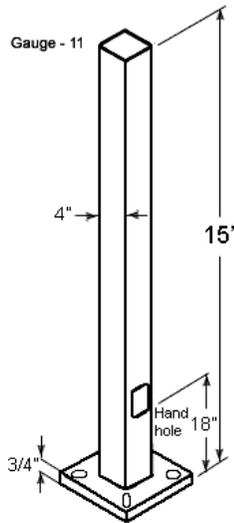
Technical Specifications (continued)

Other

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.

Dimensions



Features

- Designed for ground mounting
- Heavy duty TGIC polyester coating
- Reinforced hand holes with grounding lug and removable cover for easy wiring access
- Anchor Bolt Kit includes pole cap and base cover (sold separately)
- Custom manufactured for each application



Square steel poles drilled for 2 Area Lights at 180°. Designed for ground mounting. Poles are stocked nationwide for quick shipment. Protective packaging ensures poles arrive at the job site good as new.

Color: Bronze

Weight: 136.7 lbs

Project:	Type:
Prepared By:	Date:

Technical Specifications

Listings

CSA Listed:

Suitable for wet locations

Construction

Shaft:

46,000 p.s.i. minimum yield.

Hand Holes:

Reinforced with grounding lug and removable cover

Base Plates:

Slotted base plates 36,000 p.s.i.

Shipping Protection:

All poles are shipped in individual corrugated cartons to prevent finish damage

Color:

Bronze powder coating

Height:

20 FT

Weight:

137 lbs

Gauge:

11

Wall Thickness:

1/8"

Shaft Size:

4"

Hand Hole Dimensions:

3" x 5"

Bolt Circle:

8 1/2"

Base Dimension:

8"

Anchor Bolt:

Galvanized anchor bolts and galvanized hardware and anchor bolt template. All bolts have a 3" hook.

Anchor Bolt Templates:

WARNING Template must be printed on 11" x 17" sheet for actual size. CHECK SCALE BEFORE USING. Templates shipped with anchor bolts and available [online](#).

Pre-Shipped Anchor Bolts:

Bolts can be pre-shipped upon request for additional freight charge

Max EPA's/Max Weights:

- 70MPH 10.7 ft./360 lb.
- 80MPH 7.0 ft./350 lb.
- 90MPH 4.3 ft./350 lb.
- 100MPH 2.5 ft./350 lb.
- 110MPH 1.1 ft./350 lb.
- 120MPH 0.1 ft./340lb

Other

Terms of Sale:

Pole Terms of Sale is available [online](#).

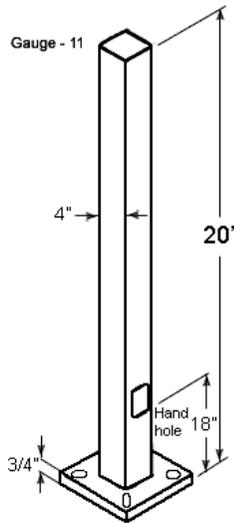
Technical Specifications (continued)

Other

Buy American Act Compliance:

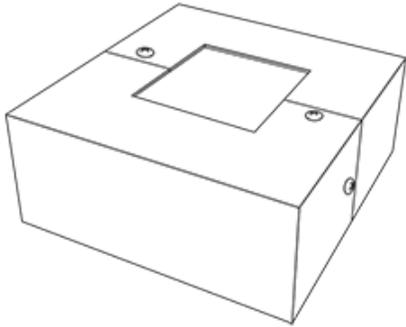
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Dimensions



Features

- Designed for ground mounting
- Heavy duty TGIC polyester coating
- Reinforced hand holes with grounding lug and removable cover for easy wiring access
- Anchor Bolt Kit includes pole cap and base cover (sold separately)
- Custom manufactured for each application



Color: Bronze

Weight: 0.0 lbs

Project:

Type:

Prepared By:

Date:

Technical Specifications

Other

Description:

Base cover 4" square steel pole 2pc steel with 4 screws

Buy American Act Compliance:

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Construction

Finish:

Formulated for high durability and long-lasting color



Project:	Type:
Prepared By:	Date:

Technical Specifications

Construction

Finish:

Formulated for high durability and long-lasting color

Other

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.

Technical Specifications (continued)

Construction

Reflector:

Specular vacuum-metallized polycarbonate

Gaskets:

High-temperature silicone gaskets

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

LED Characteristics

LEDs:

Six (6) multi-chip, 13W, high-output, long-life LEDs

Color Consistency:

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability:

LED color temperature is warranted to shift no more than 200K in color temperature over a 5-year period

Color Uniformity:

RAB's range of 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.

Electrical

Driver:

Constant Current, Class 2, 2000mA, 100-277V, 50-60Hz, 1.1A, Power Factor 99%

THD:

5.2% at 120V, 13.6% at 277V

Power Factor:

99.5% at 120V, 93.7% at 277V

Surge Protection:

4kV

Other

Patents:

The ALED design is protected by patents in the U.S. Pat. 668,370, Canada Pat. 144956, China ZL201230100154.X, and Mexico Pat. 38423. Pending patents in Taiwan.

BAA Compliance:

Click [here](#) for BAA compliance.

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.

Equivalency:

Equivalent to 250W Metal Halide

Buy American Act Compliance:

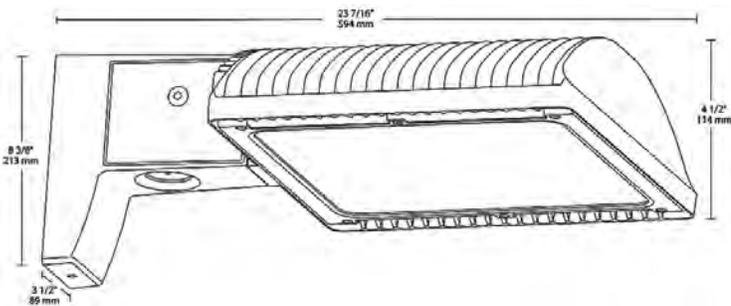
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Optical

BUG Rating:

B1 U0 G2

Dimensions



Features

66% energy cost savings vs. HID

100,000-hour LED lifespan

5-Year, No-Compromise Warranty

Ordering Matrix

Family	Optics	Wattage	Mounting	Color Temp	Finish	Driver Options	Options	Other Options
ALED	3T	78		N				
	4T = Type IV 3T = Type III 2T = Type II	50 = 50W 78 = 78W 105 = 105W 125 = 125W 150 = 150W	Blank = Pole mount SF = Slipfitter	Blank = 5000K (Cool) N = 4000K (Neutral) Y = 3000K (Warm)	Blank = Bronze RG = Roadway Gray W = White K = Black	Blank = 120-277V /480 = 480V /BL = Bi-Level /D10 = 0-10V Dimming /480/D10 = 480V, 0-10V Dimming	Blank = No Option /LC = Lightcloud® Controller /PCS = 120V Swivel Photocell /PCS2 = 277V Swivel Photocell /PCT = 120-277V Twistlock Photocell /PCS4 = 480V Swivel Photocell /PCT4 = 480V Twistlock Photocell /WS2 = Multi-Level Motion Sensor 20 ft. /WS4 = Multi-Level Motion Sensor 40 ft.	Blank = Standard USA = BAA Compliant



LED 150

Replaces 400 Watt MH Area Light!

Specification-Grade Optics

ALED 150

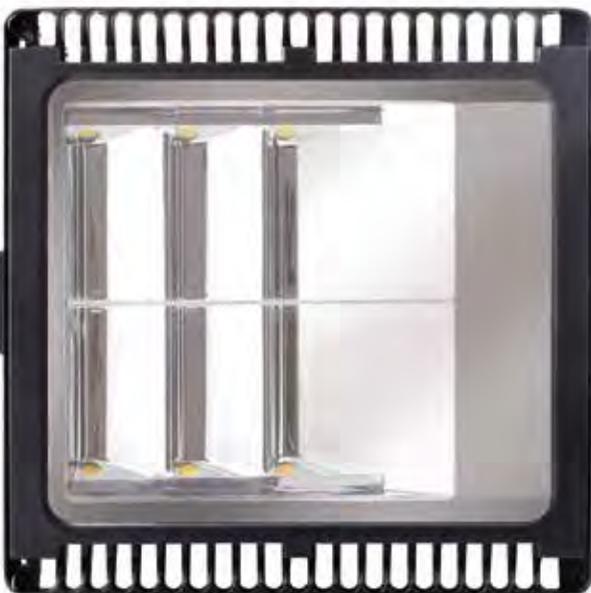
RAB engineered "specification-grade" optics for the ALED150 that deliver efficient, clean, uniform light distributions at a reasonable cost. The vacuum-metalized specular reflector creates what is known as "repeatable" optics manufacturing, ensuring consistent, reliable distribution. The optics are factory installed and meet IES Lateral Distribution Types II, III and IV.

For assistance in choosing the distribution to match your application, please contact RAB's Lighting Design department by emailing lightingdesign@rabweb.com or calling 888 722-1000.

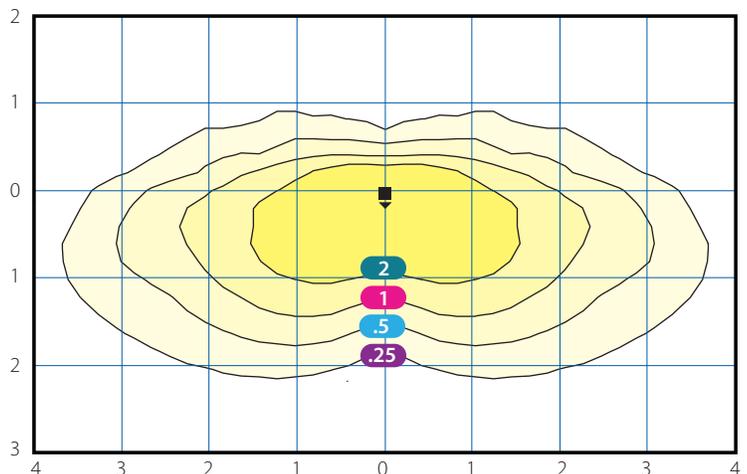


Type II

The Type II distribution is ideal for wide walkways, on ramps and entrance roadways, bike paths and other long and narrow lighting applications. Meant for lighting larger areas and usually located near the roadside, this type of lighting is commonly found on smaller side streets or jogging paths.



ALED2T150 Mounted at 25 ft.



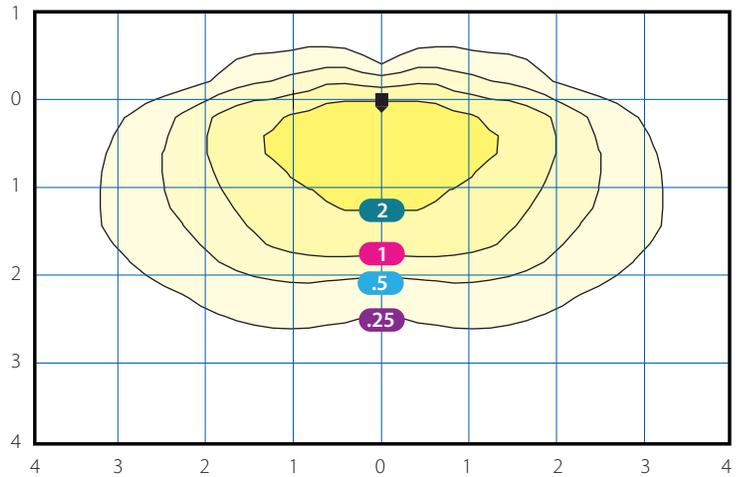
Grid Scale: Multiples of Mounting Height • Values shown in Footcandles
Photometric Report #ITL79617

Type III

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.



ALED3T150 Mounted at 25 ft.



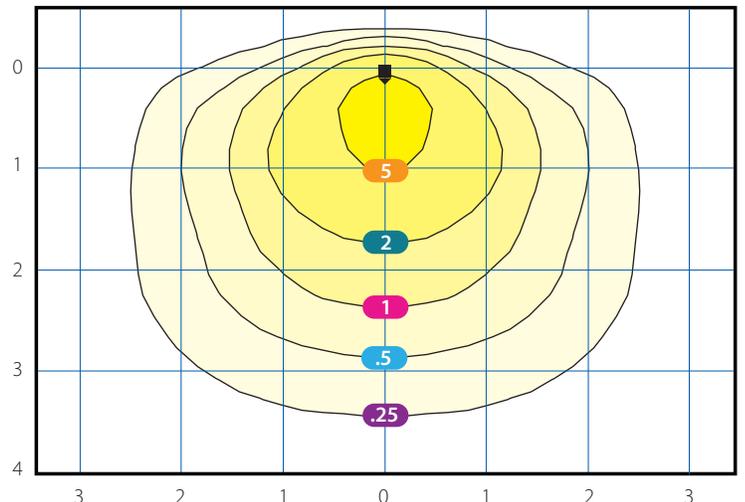
Grid Scale: Multiples of Mounting Height • Values shown in Footcandles
Photometric Report #ITL79623

Type IV

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 semicircular distribution with essentially the same candlepower at lateral angles from 90 to 270 degrees.



ALED4T150 Mounted at 25 ft.



Grid Scale: Multiples of Mounting Height • Values shown in Footcandles
Photometric Report #ITL79629

ALED150

- Replaces 400W MH area lights
- 66% energy cost savings vs. HID
- 100,000-hour LED lifespan
- Type II, III and IV distribution (also available as a wallpack)
- Slipfitter mounting available
- Bi-level operation (optional)
- Various photocell options available
- 5-Year Warranty

Specifications

UL Listing: Suitable for wet locations.

LEDs: Multi-chip, high-output, long-life LEDs

Lifespan: 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver(s): Class 2, 2000mA, 100 - 277V and 480V, 50/60 Hz, Surge protection 4 kV

Bi-Level Operation (optional): Allows 50% and 100% output modes

Dimming: Available as On/Off or with 0-10V dimming driver (*all models except the ALED105 family*)

Cold Weather Starting: The minimum starting temperature is -40°C.

Thermal Management: Superior thermal management with external Air-Flow fins

Housing: Die-cast aluminum housing, lens frame and mounting arm

Mounting: Heavy-duty, with "O" ring seal & stainless steel screws

Gaskets: High-temperature silicone gaskets

Color Consistency: 7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture 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 C78.377-2011.

Reflector: Specular vacuum-metallized polycarbonate

Finish: Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contain no VOC or toxic heavy metals.

Green Technology: Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

IESNA LM-79 & LM-80 Testing: RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

California Title 24: ALED150 complies with California Title 24 building and electrical codes.

Dark Sky Approved: The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

For use on LEED Buildings: IDA Dark Sky Approval means that this fixture can be used to achieve LEED Credits for Light Pollution Reduction.

Performance*

Cool Light (5000K)

Nominal Watts @ 120V	78W	105W	125W	150W
Output Lumens	7564	10,384	12,805	14,349
Lumens Per Watt	96	98	94	92
Color Accuracy (CRI)	67	65	65	65

Neutral Light (4000K)

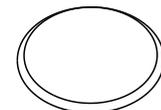
Nominal Watts @ 120V	78W	105W	125W	150W
Output Lumens	6673	8790	10,952	11,786
Lumens Per Watt	84	83	80	76
Color Accuracy (CRI)	82	82	82	82

Warm Light (3000K)

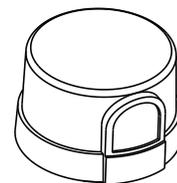
Nominal Watts @ 120V	78W	105W	125W	150W
Output Lumens	5968	8461	10,464	11,352
Lumens Per Watt	75	80	77	74
Color Accuracy (CRI)	82	81	81	81

* Values shown for Type IV. Visit rabweb.com for Type II and III.

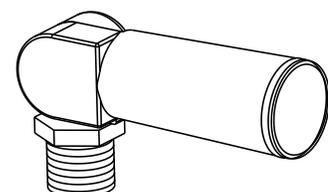
Accessories



Button Photocell
(not available for slipfitter mount)

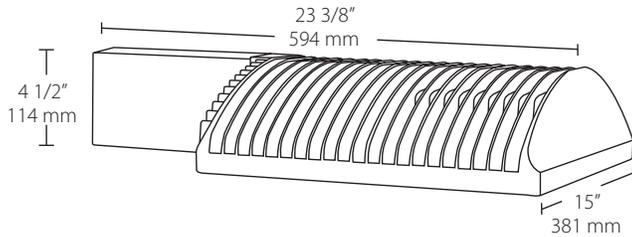


Twistlock Photocell
(not available for slipfitter mount)

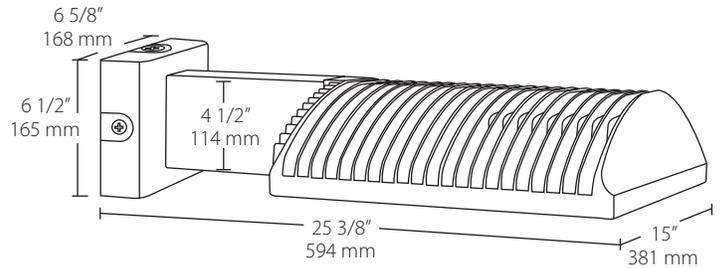


Swivel Photocell

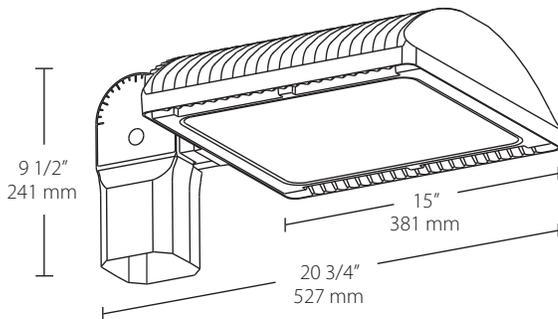
POLE MOUNT - Weight: 30 lbs. **EPA:** 0.75



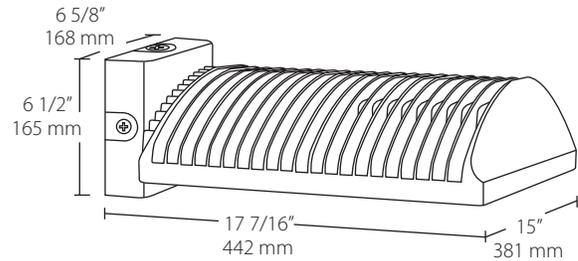
WALLPACK - Weight: 34.8 lbs.



SLIPFITTER - Weight: 32 lbs. **EPA:** 2.2



WALLPACK (NO ARM) - Weight: 26 lbs.



Ordering Information

Product Family	Optics	Wattage	Mounting	Color Temp	Finish Color	Driver Options	Photocell Options
ALED							
2T Type II		50 50W	Blank Pole mount	Blank 5000K	Blank Bronze	/480 480V	/PC 120V*
3T Type III		78 78W	SF Slipfitter	N 4000K	RG Gray	/BL Bi-Level	/PC2 277V*
4T Type IV		105 105W		Y 3000K	W White	/D10 0 - 10V Dimming	/PCT 120-277V Twistlock*
		125 125W			K Black		/PCT4 480V Twistlock*
		150 150W					/PCS 120V Swivel
							/PCS2 277V Swivel
							/PCS4 480V Swivel
							/WS2 Multi-level motion** sensor (20 ft. mt. ht.)
							/WS4 Multi-level motion** sensor (40 ft. mt. ht.)

*Pole mount models only.

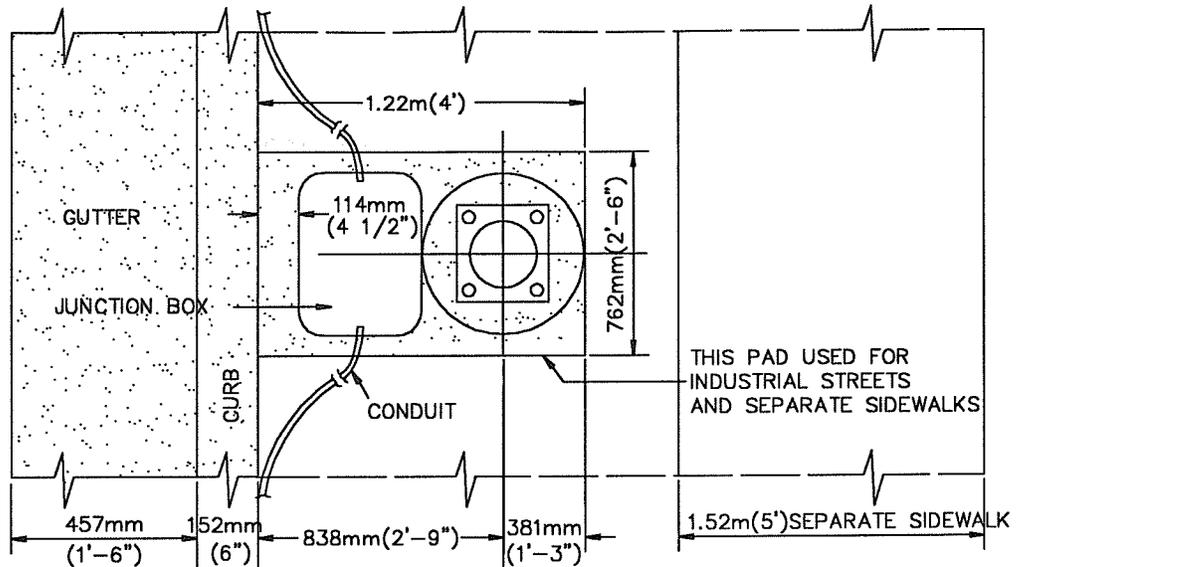
**Only available with 0 - 10V dimming models.

Product Family	Optics	Wattage	Color Temp	Mounting	Finish Color	Driver Options	Photocell Options
WPLED							
2T Type II		50 50W	Blank 5000K	Blank Arm	Blank Bronze	/480 480V	/PC 120V
3T Type III		78 78W	N 4000K	FX No Arm	W White	/BL Bi-Level	/PC2 277V
4T Type IV		105 105W	Y 3000K			/D10 0 - 10V Dimming	/PCT 120-277V Twistlock
		125 125W					/PCT4 480V Twistlock
		150 150W					/PCS 120V Swivel
							/PCS2 277V Swivel
							/PCS4 480V Swivel
							/WS2 Multi-level motion** sensor (20 ft. mt. ht.)
							/WS4 Multi-level motion** sensor (40 ft. mt. ht.)

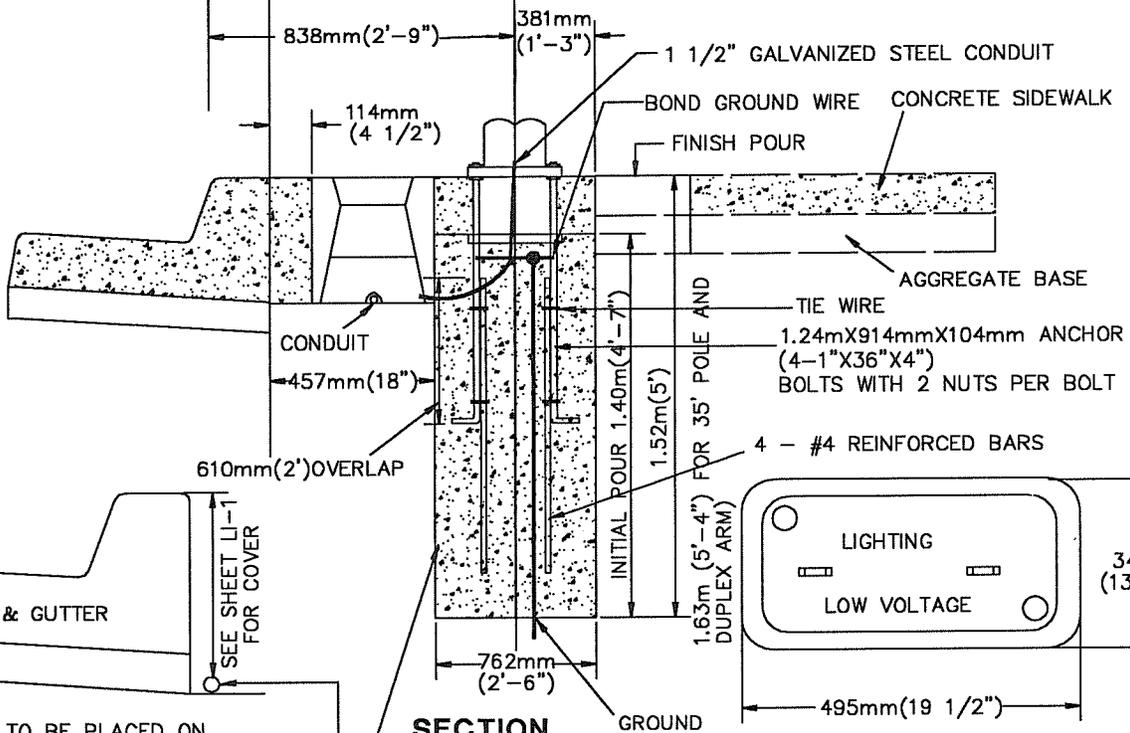
**Only available with 0 - 10V dimming models.



Please visit rabweb.com to see which products are DLC listed.



PLAN VIEW



SECTION

JUNCTION BOX

(STATE STANDARD # 3 1/2 OR AS REQUIRED BY CITY ENGINEER)

CONDUIT TO BE PLACED ON SUBGRADE BY TRENCHING OR PRIOR TO PLACEMENT OF AGGREGATE BASE MATERIAL FOR CURB & GUTTER

All units are in metric
Non-metric units are in brackets

NOTE: THIS SHEET APPLIES FOR STREETS WITH SEPARATE SIDEWALK AND INDUSTRIAL&COMMERCIAL STREETS

ACAD FILENAME:ELECTRO



CITY OF MENLO PARK STANDARD DETAILS

NO.	REVISIONS	DATE

ELECTROLIER AND CONDUIT LOCATION FOR STREETS WITH SEPARATE SIDEWALK

APPROVED
Y. A. Ojima
Director of Engineering Services R.C.E. No.40998

DRAWN CHECKED NN DATE 1-1-97 SCALE 1/8" = 1'-0" SHEET 1 OF 1

STD. DETAIL No.: **LI-3**