



## Item No. 5b Town of Atherton

### **PARK AND RECREATION COMMITTEE – REGULAR AGENDA**

**TO:           PARKS AND RECREATION COMMITTEE**

**FROM:       SALLY BENTZ-DALTON – PARK MANAGER**

**DATE:       JANUARY 8, 2020**

**SUBJECT:    INPUT FOR NEW LIGHTING IN PARK**

#### **DISCUSSION**

Review and discuss new lighting options to replace 10 existing light poles in Holbrook-Palmer Park.

#### **BACKGROUND**

As part of the Holbrook-Palmer Park Improvements Program to implement several proposed projects as recommended by the park & Recreation Committee and approved by City Council. The replacement of 10 poles and fixtures using mostly existing controls, conduit and wiring already existing is a project was proposed in the 5-year outlook.

The Town wishes to move ahead with LED lights. Town staff have considered the current WIFI, cameras and outlets currently on a few of the poles. Staff is looking for input for the design of the fixtures.

Existing and new fixtures designs:

5b. Park Lighting Design

1/8/2020

Page 2 of 10



**Current light poles and fixtures:**



**5b. Park Lighting Design**

1/8/2020

Page 4 of 10



**5b. Park Lighting Design**

1/8/2020

Page 5 of 10



**Example of a current updated light at Menlo Atherton High School**



## PS4-11-15D2



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

**New light pole:**

## 5b. Park Lighting Design

1/8/2020

Page 8 of 10

### New fixtures designs:

#1



#### Eagle Series

2nd Generation LED Site Lighter



**SPECIFICATIONS:**

**Construction:**

Designed for commercial and industrial applications, providing cooler operating temperatures, brighter light and longer LED life. The die cast aluminum housing utilizes external airflow fins allow for greater heat dissipation. The easy access driver compartment is a thermally independent compartment, separate from LED generated heat, for cooler operation and longer driver life.

**Optics:**

Atlas Site Lighter Pro fixtures utilize precision engineered individual lenses for maximum light intensity. The lens is made of optical grade polycarbonate. Advanced one piece optic board engineered for maximum light intensity. Types II, III, V and Forward Throw distributions are available. Types II, III and Forward Throw optics are rotatable allowing for optimal placement of the fixtures on the perimeter of any layout.

**Mounting:**

The easy mount bracket makes installation to any style pole quick and easy. Tenon and other mounting accessories also available.

**Thermal Management:**

Atlas Site Lighter Pro fixtures are designed as a complete system to optimize LED life and light output. The thermal stacking heat removal technology extracts heat from within the housing moving it away from LEDs and components. The lower temperatures result in long LED life (200,000+ hrs) and component life and also allows for higher light output.

**Listings:**

Luminaire is certified to UL/CUL Standards for Wet Locations  
 The following qualify for DesignLights Consortium Premium:  
 SLPM6L (All colors/options), SLPM9L (All colors/options), SLPM12L (All colors/options),  
 SLPM18L (All colors/options), SLPM24L (All colors/options), all other luminaires  
 are DesignLights Consortium qualified. All are eligible for rebates from DLC  
 member utilities.

**AC Input:**

120/208/240/277/347/480 V

**Driver:**

Constant current, 120-277 VAC, 50-60 Hz  
 High Efficiency – min. 88%  
 Off-State Power: 0 Watts  
 0-10V Dimming

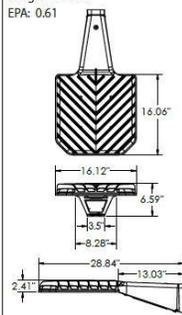
<b>Project Information</b>	
Job Name	
Fixture Type	Eagle Series
Catalog Number	SLPM
Approved by	



**DIMENSIONS:**

Weight: 21 lbs.

EPA: 0.61



#2

## ALED26Y

RAB Outdoor



Color: Bronze

Weight: 6.3 lbs

Project:

Type:

Prepared By:

Date:

**Driver Info**

Type	Constant Current
120V	0.26A
208V	0.16A
240V	0.14A
277V	0.12A
Input Watts	29.50W
Efficiency	88%

**LED Info**

Watts	26.00W
Color Temp	3000K (Warm)
Color Accuracy	70 CRI
L70 Lifespan	100,000
Lumens	3,265
Efficacy	110.7 LPW

#3

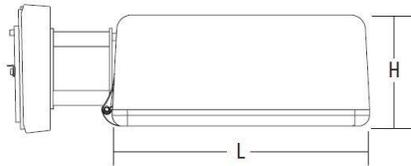


## KAD LED LED Area Luminaire



### Specifications

<b>EPA:</b>	1.2 ft <sup>2</sup> (0.11 m <sup>2</sup> )
<b>Length:</b>	17-1/2" (44.5 cm)
<b>Width:</b>	17-1/2" (44.5 cm)
<b>Height:</b>	7-1/8" (18.1 cm)
<b>Weight (max):</b>	36 lbs. (16.4 kg)



**Catalog Number**

**Notes**

**Type**

Click on Sign to add text and place signatures on a PDF file.

Hit the Tab key or mouse over the page to see all interactive elements.

### Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1

#4

## ALED4T50Y/PCT

RAB | Outdoor



Color: Bronze

Weight: 32.0 lbs

**Project:**

**Type:**

**Prepared By:**

**Date:**

#### Driver Info

Type	Constant Current
120V	0.46A
208V	0.27A
240V	0.23A
277V	0.20A
Input Watts	54.81W
Efficiency	91%

#### LED Info

Watts	50.00W
Color Temp	3000K (Warm)
Color Accuracy	71 CRI
L70 Lifespan	100,000
Lumens	7,127
Efficacy	130 LPW

#5

### IVAT4-45LPA730ZU/7PR

**RAB** | Outdoor



Low profile, low glare. Edge-lit technology unlike any other.

Color: Bronze

Weight: 15.0 lbs

Project:

Type:

Prepared By:

Date:

**Driver Info**

Type	Constant Current
120V	0.33A
208V	0.19A
240V	0.17A
277V	0.14A
Input Watts	37.40W
Efficiency	N/A

**LED Info**

Watts	38.00W
Color Temp	3000K (Warm)
Color Accuracy	80 CRI
L70 Lifespan	100,000
Lumens	4,533
Efficacy	121.2 LPW

#6

### LOT4T65Y/D10/PCT

**RAB** | Outdoor



Specification grade area lights available in IES Type IV distributions. Best-in-class 5-G vibration rating. 5-year, limited warranty.

Color: Bronze

Weight: 20.9 lbs

Project:

Type:

Prepared By:

Date:

**Driver Info**

Type	Constant Current
120V	0.55A
208V	0.33A
240V	0.29A
277V	0.25A
Input Watts	65.40W
Efficiency	99%

**LED Info**

Watts	65.00W
Color Temp	3000K (Warm)
Color Accuracy	71 CRI
L70 Lifespan	100,000
Lumens	6,300
Efficacy	96.3 LPW