



Development Review (Minor) Staff Approval

269-SA-2018
City Hall Lighting Change
Out

APPLICATION INFORMATION

LOCATION:	3939 N Drinkwater Bl	APPLICANT:	Ted Dockendorf
PARCEL:	130-25-126A	COMPANY:	City of Scottsdale
Q.S.:	16-45	ADDRESS:	9191 E San Salvador Dr Scottsdale, AZ 85258
CODE VIOLATION #:		PHONE:	480-312-5713

Request: LED change out of light sources for parking lot lighting fixtures.

STIPULATIONS

1. This approval is for the replacement of the internal light element of the existing parking lot light fixtures to utilize the UCL-LK LED Upgrade Kit.
2. The scope of this approval also includes the replacement of the single light fixture at the northeast end of the parking lot with a dual of the same style as the existing fixtures.
3. Also within the scope of this approval is the replacement of the wall mounted fixture at the storage yard near the southeast end of the parking lot with the full cutoff RAB Lighting: SLIMFC37Y fixture type.


CONSTRUCTION DOCUMENT PLAN REVIEW SUBMITTAL REQUIREMENTS

No additional reviews or permits are required.

Expiration of Development Review (Minor) Approval

This approval expires two (2) years from date of approval if a permit has not been issued, or if no permit is required, work for which approval has been granted has not been completed.

Staff Signature:



Jeff Barnes

DATE:

10/3/2018

Planning and Development Services

7447 East Indian School Road, Suite 105, Scottsdale, Arizona 85251 Phone: 480-312-7000 Fax: 480-312-7088

City of Scottsdale's Website: www.scottsdaleaz.gov

SLIMFC37Y



37, 57 and 62 Watt SLIM Wallpacks are designed to cover the footprint of most traditional wallpacks. They are suitable for mounting heights from 20' to 30', and replace HID Wattages from 200W MH to 320W MH. These ultra-high efficiency fixtures are available in cutoff or full cutoff models.

Color: Bronze

Weight: 7.5 lbs

Project:

Type:

Prepared By:

Date:

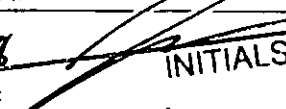
Driver Info

Type: Constant Current
 120V: 0.31A
 208V: 0.19A
 240V: 0.16A
 277V: 0.14A
 Input Watts: 35W
 Efficiency: N/A

LED Info

Watts: 37W
 Color Temp: 3000K (Warm)
 Color Accuracy: 71 CRI
 L70 Lifespan: 100000
 Lumens: 3339
 Efficacy: 95 LPW

269-54-2018
 STIPULATION SET
 RETAIN FOR RECORDS
 APPROVED

10/3/18
 DATE: 
 INITIALS

Technical Specifications

Listings

UL Listing:

Suitable for wet locations. Wall Mount only.

Dark Sky Approved:

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

IESNA LM-79 & 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.

Construction

Footprint:

Designed to replace RAB HID WP1 wallpacks, both in size and footprint template, so upgrading to LED is easy and seamless.

IP Rating:

Ingress Protection rating of IP66 for dust and water.

IP Rating:

Ingress Protection rating of IP66 for dust and water.

Cold Weather Starting:

Minimum starting temperature is -40°C (-40°F).

Maximum Ambient Temperature:

Suitable for use in 40°C (104°F) ambient temperatures.

Housing:

Precision die-cast aluminum housing and door frame.

Mounting:

Die-cast back box with four (4) conduit entry points and knockout pattern for junction box or direct wall mounting. Hinged housing and bubble level for easy installation.

Full Cutoff:

Full cutoff meets dark-sky requirements.

Recommended Mounting Height:

Up to 20 ft.

Lens:

Microprismatic diffusion glass lens reduces glare and has smooth and even light distribution.

Reflector:

Specular thermoplastic.

Gaskets:

The unique design of the tight-lock gasket ensures no water or environmental elements will ever get inside the SLIM.

Finish:

Formulated for high-durability and long-lasting color.

Green Technology:

Mercury and UV-free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOCs or toxic heavy metals.

LED Characteristics

LED:

Long-life, high-efficiency, micro-power, surface mount LEDs; binned and mixed for uniform light output and color.

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

Color Stability:

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

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Electrical

Driver:

Constant Current, 100-277V, 50/60Hz, 100-277VAC 0.6A, 4kV Surge Protection, 700mA, Power Factor 99.3%.

Other

Accessories:

Available accessories include polycarbonate and wire guard. Click to see all accessories.

Patents:

The design of the SLIM™ is protected by patents, pending in US, Canada, China, Taiwan and Mexico.

HID Replacement Range:

Replaces 200W Metal Halide.

Optical

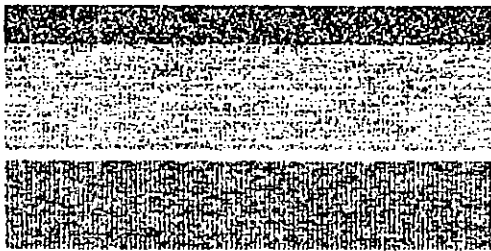
BUG Rating:

B1 U0 G0

SLIMFC37Y



Dimensions



Features

- Covers footprint of most traditional wallpacks
- Easy installation with hinged access, bubble level and multiple conduit entries
- Tight-lock gasket keeps elements out
- 100,000-hour LED lifespan
- 5-Year, No-Compromise Warranty

Ordering Matrix

Family	Cutoff	Wattage	Color Temp	Finish	Driver Options	Options	Other Options
SLIM	FC	37	Y	^	^	^	^
	Blank = Cutoff (10 degrees) FC = Full Cutoff (0 degrees)	62 = 62W 57 = 57W 37 = 37W	Blank = 5000K (Cool) N = 4000K (Neutral) Y = 3000K (Warm)	Blank = Bronze W = White	Blank = Standard (120-277V) /BL = Bi-Level /D10 = Dimmable /480 = 480V	Blank = No Option /PC = 120V Button Photocell /PC2 = 277V Button Photocell /PCS = 120V Swivel Photocell /PCS2 = 277V Swivel Photocell /LC = Lightcloud Controller	USA = BAA Compliant Blank = Standard

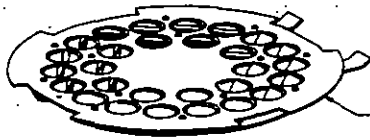
Universe® LED Upgrade Kit – Large Housing UCL-LK

TYPE

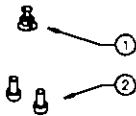
FEATURES

- DLC OPL Listed
- Reliable, uniform, glare free illumination
- Types II, III, IV, V and custom distributions
- 3000K, 4200K, 5100K CCT
- 0-10V dimming capable drivers
- Integral surge suppression
- LifeShield™ thermal protection
- 13 standard powder coat finishes

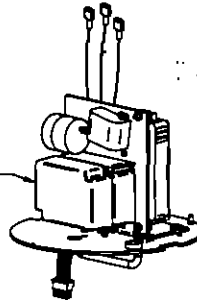
CONTENTS



LED ASSEMBLY
"WITH LENS VERSION"



DRIVER ASSEMBLY



ORDERING INFORMATION

UPGRADE KIT	1	2	3	4	5	6
UCL-LK						
	Uplight	Distribution	CCT	Drive Current	Bezel Finish	Options

1. UPLIGHT

UPLT –LEDs for internal illumination of housings with luminous elements, additional 4 watts.

2. DISTRIBUTION

MicroCore Upgrade Kit Precision aimed optics

T2-56LED
T3-56LED
T4-56LED
T5-56LED
TL-56LED
TR-56LED

3. COLOR TEMPERATURE

3K 4K 5K

4. DRIVE CURRENT

700 450

5. BEZEL FINISH/COLOR

Bezel available in 13 standard finishes and premium finishes.

WH Arctic White
BL Black
BLT Matte Black
DB Dark Bronze
DGN Dark Green
TT Titanium
WDB Weathered Bronze
MDB Bronze Metallic
VBU Verde Blue
CRT Corten
MAL Matte Aluminum
MG Medium Grey
AGN Antique Green
LG Light Grey
RAL Premium Color
CUSTOM ** Contact Factory

6. OPTIONS

HSS (House Side shield for Type 4)



ARCHITECTURAL AREA LIGHTING
17760 Rowland Street | City of Industry | CA 91748
P 626.968.5666 | F 626.369.2695 | www.aal.net
Copyright © 2014 December 1, 2016 10:36 AM

JOB _____
TYPE _____
NOTES _____

LUMINAIRE PERFORMANCE

Optical System	Secondary Lens or Shield	Distribution	Light Engine	Ordering Code												Drive Current (ma)	System Watts			
				3K			4K			5K										
				Delivered Lumens	Efficacy (lm/w)	Bug Rating	Delivered Lumens	Efficacy (lm/w)	Bug Rating	Delivered Lumens	Efficacy (lm/w)	Bug Rating								
						B	U	G			B	U	G							
MicroCore	No Lens (Standard)	TYPE 2	T2-56LED	8103	62	2	0	2	9636	74	2	0	2	10950	84	3	0	3	700	132
		TYPE 3	T3-56LED	7976	61	2	0	2	9486	73	2	0	2	10779	83	2	0	2		
		TYPE 4	T4-56LED	7919	61	1	0	2	9397	72	1	0	2	10702	82	1	0	3		
		TYPE 5	T5-56LED	8398	65	3	0	2	9724	75	3	0	2	11050	85	4	0	2		
		45° LEFT	TL-56LED	7560	58	1	0	2	9053	70	1	0	2	9949	77	1	0	2		
		45° RIGHT	TR-56LED	7560	58	1	0	2	9053	70	1	0	2	9949	77	1	0	2		
	House Side Shield	TYPE 4	T4-56LED....HSS	5761	44	0	0	2	6797	52	0	0	2	7604	58	0	0	2	450	84
	No Lens (Standard)	TYPE 2	T2-56LED	5189	62	2	0	2	6167	74	2	0	2	7008	84	2	0	2		
		TYPE 3	T3-56LED	5105	61	1	0	2	6071	73	1	0	2	6898	83	2	0	2		
		TYPE 4	T4-56LED	5068	61	1	0	2	6014	72	1	0	2	6850	82	1	0	2		
		TYPE 5	T5-56LED	5375	64	3	0	1	6223	74	3	0	1	7072	85	3	0	2		
		45° LEFT	TL-56LED	4839	58	1	0	2	5794	69	1	0	2	6367	76	1	0	2		
		45° RIGHT	TR-56LED	4839	58	1	0	2	5794	69	1	0	2	6367	76	1	0	2		
	House Side Shield	TYPE 4	T4-56LED....HSS	3687	44	0	0	2	4090	49	0	0	2	4839	58	0	0	2		

* DesignLights Consortium® Qualified Product



ELECTRICAL CHARACTERISTICS

Optical System	Ordering Code		Driver									Dimming						
			LED Drive mA	System Watts	Line Voltage		Amps AC		Min. Power Factor	Max THD (%)	Operating Temp. Range	Dimming Range	Source current out of 0-10V purple wire			Absolute voltage range on 0-10V (+) purple wire		
					VAC	HZ	120	277					Min	Typical	Max	Min	Typical	Max
MicroCore	56LED	700	700	132	120-277	50/60	1.1	0.48	≥ 9	20	-30°C TO +40°C	10% TO 100%	0 mA		8 mA	-2.0 V		+15 V
		450	450	84			0.71	0.31										

LED COLOR

Consult factory for Amber, Turtle Friendly, Gulf Coast and Observatory applications.

	Ordering Code		
	3K	4K	5K
CCT Average	3000K	4200K	5100K
CCT Range	2800K - 3175K	3800K - 4600K	4600K - 5600K
CRI Minimum	≥ 80	≥ 70	≥ 70
SIP Ratio	1.33	1.66	1.78

TM-21 LIFETIME CALCULATION

Optical System	Ordering Code	Ambient Environment °C	Projected Lumen Maintenance (% vs. Khrs)					Reported L70
			15	25	50	60	100	
			93	91	87	85	78	
MicroCore	56LED	15	93	91	87	85	78	>60Khrs
		25	93	91	87	85	78	



ARCHITECTURAL AREA LIGHTING
17760 Rowland Street | City of Industry | CA 91748
P 626.968.5666 | F 626.369.2695 | www.aal.net
Copyright © 2014 December 1, 2016 10:36 AM

JOB _____
TYPE _____
NOTES _____

SPECIFICATIONS

UPGRADE KIT CONSTRUCTION

- Optical components shall be sealed with continuous silicone rubber gaskets
- All hardware shall be stainless steel.
- Optical bezel finish shall match the luminaire housing.

OPTICAL

- Patent pending MicroCore™ LED modules shall independently aim each light emitting diode (LED) in both horizontal rotation and vertical tilt angle.
- LEDs shall be mounted to a metal printed circuit board assembly (PCBA) with a uniform conformal coating over the panel surface and electrical features.
- LED optics shall be clear injection molded PMMA acrylic
- MicroCore™ PCBA and optic shall be sealed to a die-cast anodized aluminum heat sink with an injection molded silicone rubber gasket. IP66

ELECTRICAL

- Upgrade kits shall have integral surge protection that shall be U.L. recognized and have a surge current rating of 10,000 Amps using the industry standard 8/20uSec wave and surge rating of 372J
- Drivers shall be U.L. recognized with an inrush current maximum of <20.0 Amps maximum at 230VAC
- Drivers shall not be compatible with current sourcing dimmers. Consult factory for current list of known compatible dimming systems. Approved dimmers include Lutron Diva AVTV, Lutron Nova NFTV and NTFTV
- LifeShield™ shall be provided with all configurations for added protection in the event of abnormally excessive high ambient temperature conditions.

SERVICING

- Upgrade kit shall have the driver and surge suppressor mounted to a prewired tray with quick disconnects.

FINISH

- Bezel finish shall consist of a five stage pretreatment regimen with a polymer primer sealer, oven dry off, and top coated with a thermoset super TGIC polyester powder coat finish.
- Bezel finish shall meet the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance.

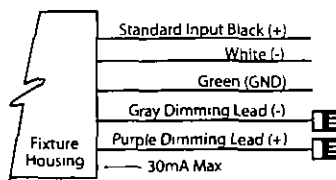
CERTIFICATION

- Upgrade kit shall be listed with ETL for outdoor, wet location use, UL1598, UL 8750 and Canadian CSA Std. C22.2 no.250

WARRANTY / TERMS AND CONDITIONS OF SALE

Download:

<http://www.hubbellighting.com/resources/warranty/>



To the Scottsdale Planning Development Services

The Facilities Dept would like to change out the lighting housing on the park lot light poles to a LED Upgrade kit- large housing UCL-LK type of light that will put out more light for safety of the people walking out to their cars. Thank for you concertation of this project.

Pre-Application Request



Purpose:

The purpose of the Pre-Application submittal, and meeting, is for the applicant and city staff to discuss a proposed Development Application, and the information and process that is necessary for city staff to process the proposal.

In accordance with the Zoning Ordinance, no development application shall be accepted before a Pre-Application has been submitted, and a Pre-Application meeting has been conducted with city staff, unless the Pre-Application meeting has been waived by the Zoning Administrator.

Submittal:


The completed Pre-Application Request form, all required materials and fees should be submitted in person to the One-Stop-Shop located at 7447 East Indian School Road; or, may they be submitted digitally at following website:

<https://eservices.scottsdaleaz.gov/eServices/PreApp/Introduction>

All checks shall be payable to "City of Scottsdale."

Scheduling

After the Pre-Application submittal has been accepted at the One-Stop-Shop, a staff member will contact the Applicant within five (5) Staff Working Days to schedule a Pre-Application meeting with the assigned staff member(s). Generally, a Pre-Application meeting is scheduled within five (5) to fifteen (15) Staff Working Days from the date of the submittal.

Project Name: <u>City Hall Parking Lot Lighting</u>	
Property's Address: <u>3939 N. Drinkwater</u>	APN: _____
Property's Zoning District Designation: _____	
Property Details:	
<input type="checkbox"/> Single-Family Residential <input type="checkbox"/> Multi-Family Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Other	
Has a 'Notice of Compliance' been issued? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, provide a copy with this submittal	
Owner: <u>City of Scottsdale</u>	Applicant: <u>Ted Dockendorf</u>
Company: _____	Company: <u>City of Scottsdale</u>
Address: _____	Address: _____
Phone: _____ Fax: _____	Phone: <u>602-769-7226</u> Fax: _____
E-mail: _____	E-mail: <u>tdockendorf@scottsdaleaz.gov</u>
Owner Signature: 	Applicant Signature: _____
Official Use Only	Submittal Date: _____ Application No.: <u>770-PA-2018</u>
Project Coordinator: _____	

Planning and Development Services

7447 E Indian School Road Suite 105, Scottsdale, Arizona 85251 • www.ScottsdaleAZ.gov

Pre-Application Request



Development Application Type:

Please check the appropriate box of the Type(s) of Application(s) you are requesting

Zoning	Development Review	Land Divisions
<input type="checkbox"/> Rezoning (ZN)	<input type="checkbox"/> Development Review (Major) (DR)	<input type="checkbox"/> Subdivision (PP)
<input type="checkbox"/> In-fill Incentive (II)	<input checked="" type="checkbox"/> Development Review (Minor) (SA)	<input type="checkbox"/> Subdivision (Minor) (MD)
<input type="checkbox"/> Conditional Use Permit (UP)	<input type="checkbox"/> Wash Modification (WM)	<input type="checkbox"/> Land Assemblage
<input type="checkbox"/> Text Amendment (TA)	<input type="checkbox"/> Historic Property (HP)	Other
Exceptions to the Zoning Ordinance	Wireless Communication Facilities	<input type="checkbox"/> General Plan Amendment (GP)
<input type="checkbox"/> Minor Amendment (MN)	<input type="checkbox"/> Small Wireless Facilities (SW)	<input type="checkbox"/> In-Lieu Parking (IP)
<input type="checkbox"/> Hardship Exemption (HE)	<input type="checkbox"/> Type 2 WCF DR Review Minor (SA)	<input type="checkbox"/> Abandonment (AB)
<input type="checkbox"/> Variance/Accommodation/Appeal (BA)	Signs	<input type="checkbox"/> Care Home (AC)
<input type="checkbox"/> Special Exception (SX)	<input type="checkbox"/> Master Sign Program (MS)	<input type="checkbox"/> Single-Family Residential
	<input type="checkbox"/> Community Sign District (MS)	<input type="checkbox"/> Other:

Submittal Requirements: (fees subject to change every July)

☒ Pre-Application Fee: \$ _____
(No fees are charged for Historic Preservation (HP) properties.)

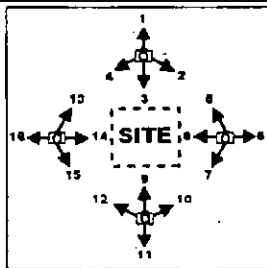
☐ Records Packet Fee: \$ _____
Processed by staff. The applicant need not visit the Records desk to obtain the packet.
(Only required when requested by Staff)

☒ Application Narrative:
The narrative shall describe the purpose of the request, and all pertinent information related to the request, such as, but not limited to, site circulation, parking and design, drainage, architecture, proposed land use, and lot design.

☐ Property Owner Authorization Required
(Required for the SA and MS Pre-Applications)

☐ Site / Context Photographs

- Provide color photographs showing the site and the surrounding properties. Use the guidelines below for photos.
- Photos shall be taken looking in towards the project site and adjacent to the site.
- Photos should show adjacent improvements and existing on-site conditions.
- Each photograph shall include a number and direction.
- Sites greater than 500 ft. in length, also take the photo locations shown in the dashed lines.
- Photos shall be provided 8 1/2 x 11 paper, max. two per page.



☐ Other

- The following list of Additional Submittal Information is not required for a Pre-Application meeting, unless indicated below by staff prior to the submittal of this request.**
- Applicants are advised to provide any additional information listed below. This will assist staff to provide the applicant with direction regarding an application.**

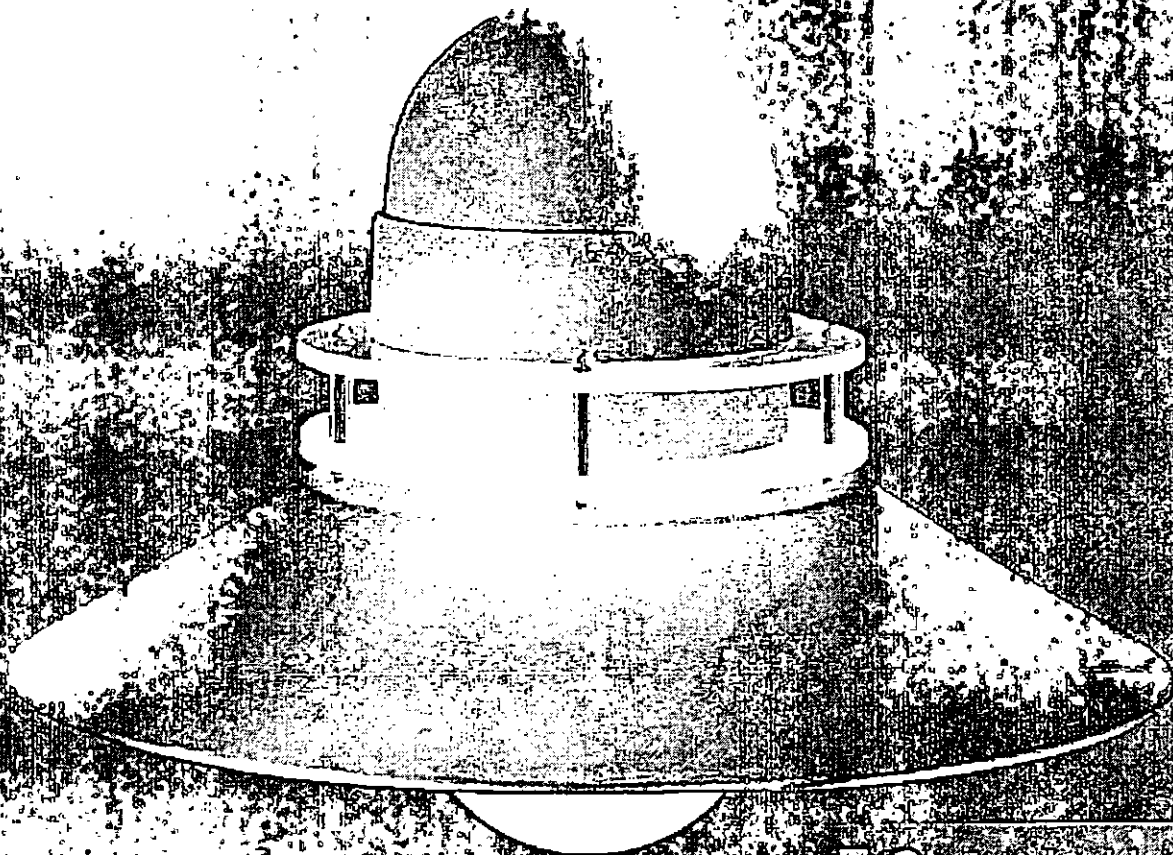
Additional Submittal Information

- ☐ Site Plan
- ☐ Subdivision plan
- ☐ Floor Plans
- ☐ Elevations
- ☐ Landscape plans
- ☐ H.O.A. Approval letter
- ☐ Sign Criteria Regulations & Language
- ☐ Material Samples – color chips, awning fabric, etc.
- ☐ Cross Sections – for all cuts and fills
- ☐ Conceptual Grading & Drainage Plan
- ☐ Exterior Lighting – provide cut sheets, details and photometrics for any proposed exterior lighting.
- ☐ Boundary Survey (required for minor land divisions)
- ☐ Aerial of property that includes property lines and highlighted area abandonment request.
- ☐ One copy of the recorded document for the area that is requested to be abandoned. Such as: subdivision plat, map of dedication, GLO (General Land Office) federal patent roadway easement, or separate dedication document. A copy of most recorded documents to be abandoned may be purchased at the City of Scottsdale Records Dept. (480-312-2356), or the Maricopa County Recorder's Office (602-506-3535). A copy of the General Land Office (GLO) federal patent roadway easement may be purchased from the Bureau of Land Management (602-417-9200).

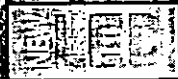
Planning and Development Services

7447 E Indian School Road Suite 105, Scottsdale, Arizona 85251 • www.ScottsdaleAZ.gov

SMALL UNIVERSE® LED



- Customizable
- Timeless Styling
- Long Lasting LEDs



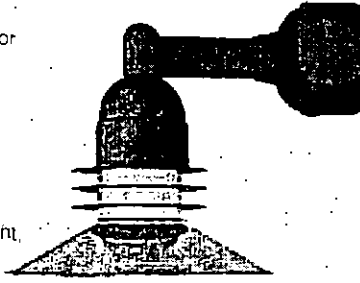
ARCHITECTURAL AREA LIGHTING

Small Universe®

Customizable
Unique modular design allows for
complete customization

Timeless Styling
Transcends architectural styles
past and present

Long Lasting
Newest LED technology for bright,
efficient illumination



UCS

TRUE CUSTOMIZATION

LUMINOUS ELEMENTS

Four luminous elements are available to softly illuminate the shade and add visual interest. No element is also available for full cutoff classification.



WND



SR



VSL



LUM

HOOD CHOICES

Five hood choices available to achieve just the right look. Optional hood finishes, such as stainless steel and natural copper, are also available to complement other design elements on the project.



ANG



BEL



FLR



STR



SKB

ORDERING INFORMATION

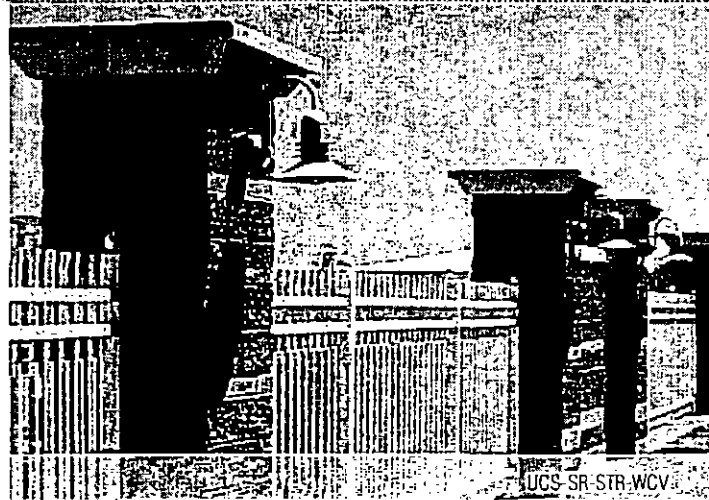
LUMINAIRE

UCS Universe Small

LUMINOUS ELEMENT

(blank)	No Luminous Element	VSL	Vertical Slots
WND	4 Luminous Windows	LUM	Luminous Rings
SR	Solid Rings		

NEW LED MODELS



UCS SR STR WCV

HOOD

ANG	Angled Hood	STR	Straight Hood
BEL	Bell Hood	SKB	Skirted Bell
FLR	Flared Hood		

OPTICS/LED CONFIGURATION

12LED-WW	12 light emitting diode array (32 watts) Warm white (3500K). 120 thru 277 volt
12LED-BW	12 light emitting diode array (32 watts) Bright white (5100K). 120 thru 277 volt

All drivers are factory wired for 277 volts, unless specified

OPTIONS - HOOD FINISH

COP	Copper hood
STS	Stainless steel hood

The natural copper and stainless steel hoods are unfinished to develop a patina over time. All hoods have the underside finished in high reflectance white.

OPTIONS - INTERNAL

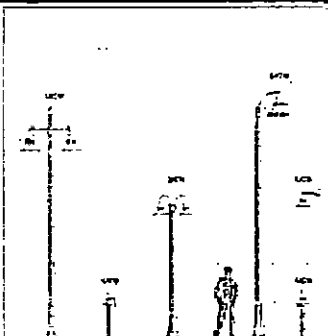
SLC	Internal sleeve to block light from the lens when a luminous element is chosen.
FCO	Full cutoff shield. Replaces luminous element.

COLOR

All standard AAL colors available. For RAL, please submit a 4-digit RAL number or color chip for custom colors.

Ordering Information Example

LUMINAIRE	LUMINOUS ELEMENT	HOOD	OPTICS/LED CONFIGURATION	OPTIONS	COLOR	MOUNTING
UCS	LUM	ANG	12LED-BW	SLC	CRT	See Brochure
Refer to AAL's Universe brochure for photometry and complete specification and ordering details.						



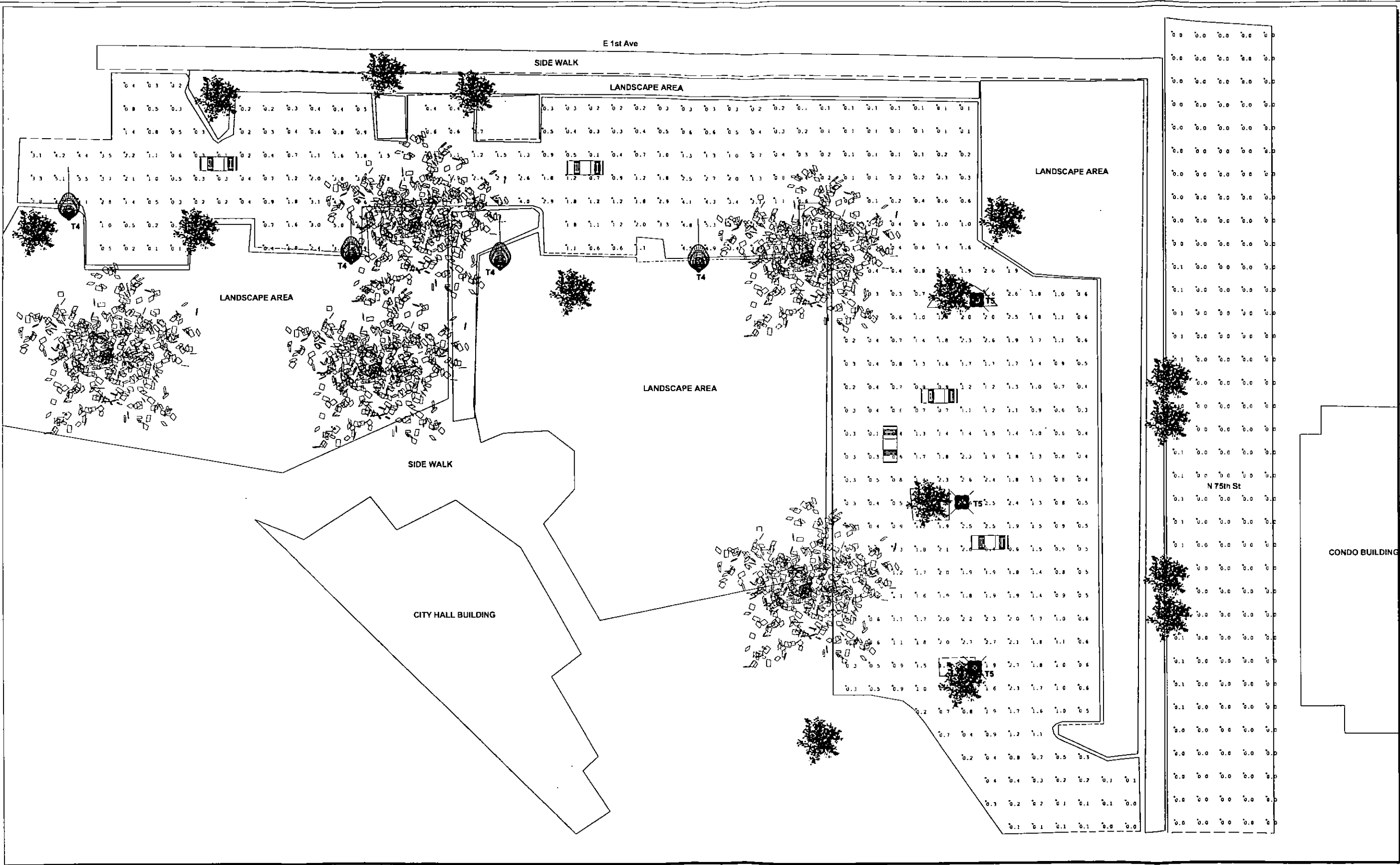
Part of the complete Universe LED Collection

Please visit www.aal.net for a complete listing of high performance Designer SSL Luminaires.

PATENTS PENDING



16555 East Gale Ave. | City of Industry | CA 91745
T 626.968.5666 | F 626.369.2695 | www.aal.net



PARKING LOT LIGHTING

Luminaire Schedule			
Symbol	Qty	Arrangement	Label
⊙	4	SINGLE	T4
⊙	3	SINGLE	T5

Calculation Summary					
Label	CalcType	Units	Avg	Max	Min
pavement Planar	Illuminance	Fc	1.16	6.1	0.0
Street Planar	Illuminance	Fc	0.01	0.1	0.0

Revisions		Date	Comments

Drawn By: Don Gallegos, NIES
Checked By: DUG
Date: 8/6/2018

City of Scottsdale
City Hall Parking Lot Lighting

Wilson Electric

BORDER STATES
Supply Chain Solutions™

© 2018 BSE
All Rights Reserved

The image is predominantly black with a high level of contrast. A thin, vertical white line runs down the left side, suggesting the edge of a page or a binding. There are some faint, scattered white specks and noise throughout the image, which is typical of a low-quality scan or a very dark photograph. No text or other distinct features are visible.