AREA & ROADWAY LIGHTING

LACR SERIES - LED

Luminaire
One piece high impact acrylic prismatic refracting globe provided with durable corrosion resistant cast aluminum fitter, crown, and struts. Standard fitters have 3" I.D. opening for tenon. Stainless steel hardware.

LED Power Array™
Array of individual LED Tubes fastened to retaining plates. Each LED Tube consists of circuit board populated with a multiple of LED's covered with a gasketed acrylic lens and mechanically fastened to an extruded aluminum heatsink. Tubes are sealed to a an IP65 Standard. Power Array emits a symmetric, radial distribution which is optically controlled by the refracting globe to provide Type-III or Type-V distributions

LED Emitters
High Power White LED's are driven between 175mA and 700mA for a maximum output of 2 Watts nominal per LED. LED's are available standard in CCT's of Warm White (2700K & 3000K), Neutral White (4000K), or Cool White (5000K). All Standard LED's have a minimum of 70 CRI. Consult Factory for other LED options. LED Lumen Maintenance of L93 at 100,000 hours (TM-21 calculated at 6x Test Time).

True Amber LED's
TRA-True Amber LED's emit light in a narrow amber spectral bandwidth centered on 585-590nm. True Amber has negligible blue light and is suitable for wildlife.
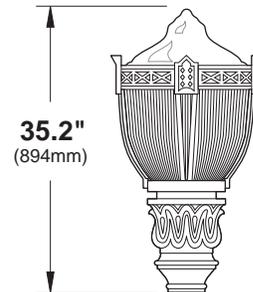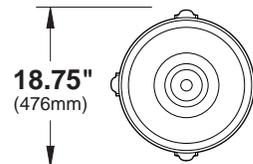
LED Driver(s)
Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized and mounted directly against the Electrical Housing to facilitate thermal transfer, held down by universal clamps to facilitate easy removal. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz (UNV) or 347V-480V, 50,60Hz. 0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field accessible installation.)

Finish
Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.v
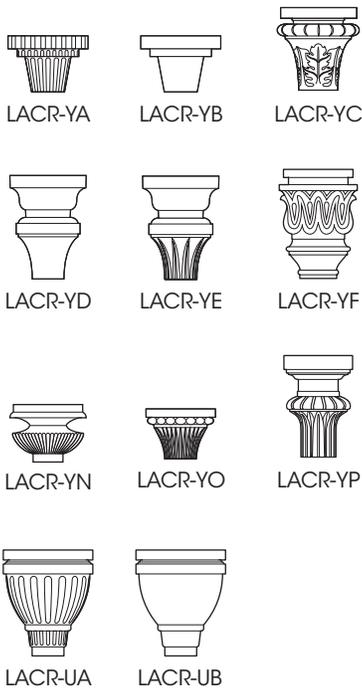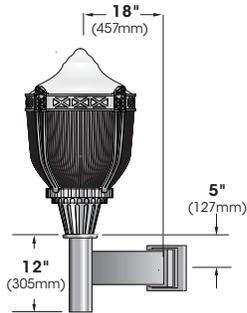
LACR

(Shown with **-YF** Fitter)

18.75"
(476mm)

35.2"
(894mm)

BABA compliant

U.L. Listed for Wet Location

2023250

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SUN VALLEY LIGHTING

SPECIFICATIONS

Optional Fitters

LACR-YA LACR-YB LACR-YC

LACR-YD LACR-YE LACR-YF

LACR-YN LACR-YO LACR-YP

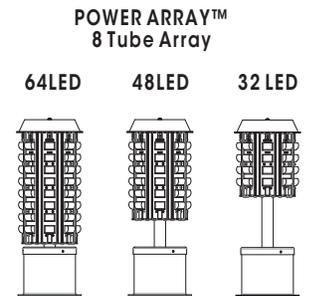LACR-UA LACR-UB

All Fitters Available with Mini-Button Photocells.
YD, YE, UA, & UB Available with Twist-Lock Photocells.

Wall Mount

18" (457mm)

5" (127mm)

12" (305mm)

Extruded aluminum arm bracket and cast aluminum wall bracket.

WALL PLATE

7" Sq. (178mm)

5.5" (140mm)

5.5" (140mm)

.50" Dia. (13mm) (4) Holes
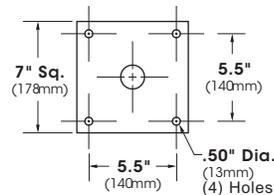
EPA & WEIGHT
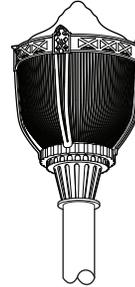
LACR
Max Weight = 39 lbs
Max EPA = 1.82
48 LED Max

LED Power Array™ Modules

POWER ARRAY™
8 Tube Array

64LED   48LED   32 LED

ACCESSORIES

Brass Finial — **BF**

Ornamental Finial — **OF**

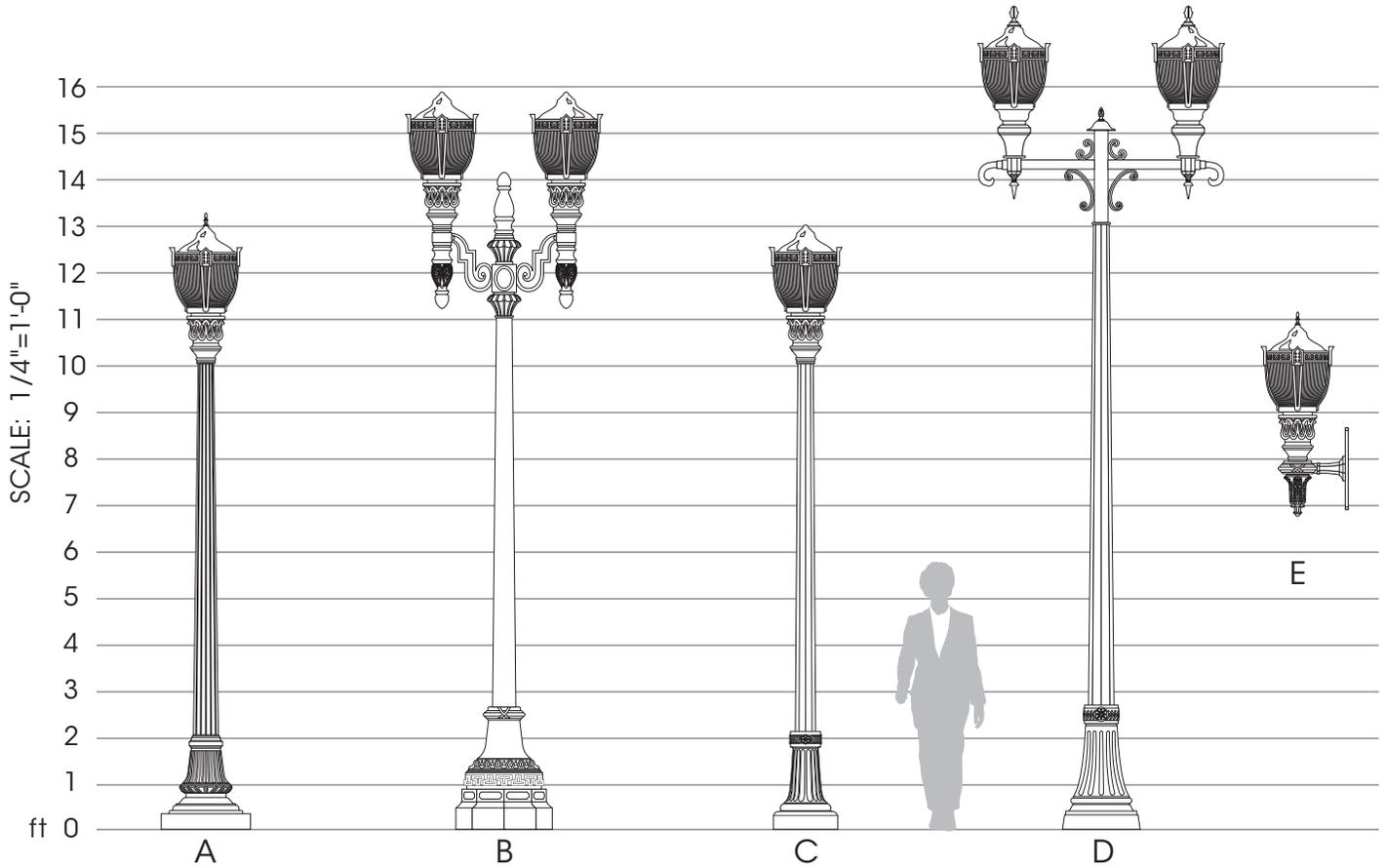## ORDERING INFORMATION

Spec/Order Example: LACR-YD/PA-V/32LED/525mA/27K/UNV/2-90/RAL-8019-S/HS

Luminaire	Optics	# of LED's	Drive Current	CCT	Voltage	Mounting	Finish	Options

Luminaire	Optics	LED			Voltage	Mounting	Finish	Options
	Power Array (Acrylic Refractive Globe)	**# of LED's**	**Drive Current**	**Color Temp-CCT**	**Voltage**	**Arm Mount**	**Standard Textured Finish**	
☐ LACR-YA	☐ PA - III	☐ 64LED	☐ 350mA	☐ 27K (2700K)	☐ UNV (120-277)	☐ 1	☐ Black RAL-9005-T	☐ Brass Finial — BF
☐ LACR-YB	☐ PA - V	☐ 48LED	☐ 525mA	☐ 30K (3000K)	☐ 347	☐ 2-180	☐ White RAL-9003-T	☐ Ornamental Finial — OF
☐ LACR-YC		☐ 32LED	☐ 700mA	☐ 40K (4000K)	☐ 480	☐ 2-90	☐ Grey RAL-7004-T	☐ House Side Shield — HS
☐ LACR-YD				☐ 50K (5000K) Consult Factory for Other LED Color, CCT, & CRI Options		☐ 3-90	☐ Dark Bronze RAL-8019-T	☐ High-Low Dimming for Switch (BY OTHERS) Select 25/100 Or 50/100 (EX HLSW25) — HLSW**
☐ LACR-YE						☐ 3-120	☐ Green RAL-6005-T	
☐ LACR-YF				☐ TRA True Amber* *TRA Available in up to 525mA drive current.		☐ 4-90	**Premium Finishes**	☐ Pole Mounted Bluetooth Photo/Motion Sensor. (Factory 50/100 Motion Photo 75 fc) — MS-F311
☐ LACR-YN						**Wall Mount**	☐ Rust	☐ Mini-Button Photocell + Voltage — PC+V
☐ LACR-YO						☐ WM	☐ Patina Copper **PC**	☐ Single Fuse — SF
☐ LACR-YP						**Post Top**	For smooth finish replace suffix "T" with suffix "S" (Example: RAL-9500-S)	☐ Double Fuse — DF
☐ LACR-UA						☐ PT	Consult factor for custom colors	
☐ LACR-UB								

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SUN VALLEY LIGHTING

GLOBE AND FITTER CONFIGURATIONS

					36
					30
					24
					18
					12
					6
					0

LACR-YA
28.25″ x Ø18.75″

LACR-YB
28.25″ x Ø18.75″

LACR-YC
32.0″ x Ø18.75″

LACR-YD
35.1″ x Ø18.75″

LACR-YE
35.1″ x Ø18.75″

LACR-YF
35.2″ x Ø18.75″

				42
				36
				30
				24
				18
				12
				6
				0

LACR-YN
28.0″ x Ø18.75″

LACR-YO
27.2″ x Ø18.75″

LACR-YP
34.2″ x Ø18.75″

LACR-UA
34.6″ x Ø18.75″

LACR-UB
34.6″ x Ø18.75″
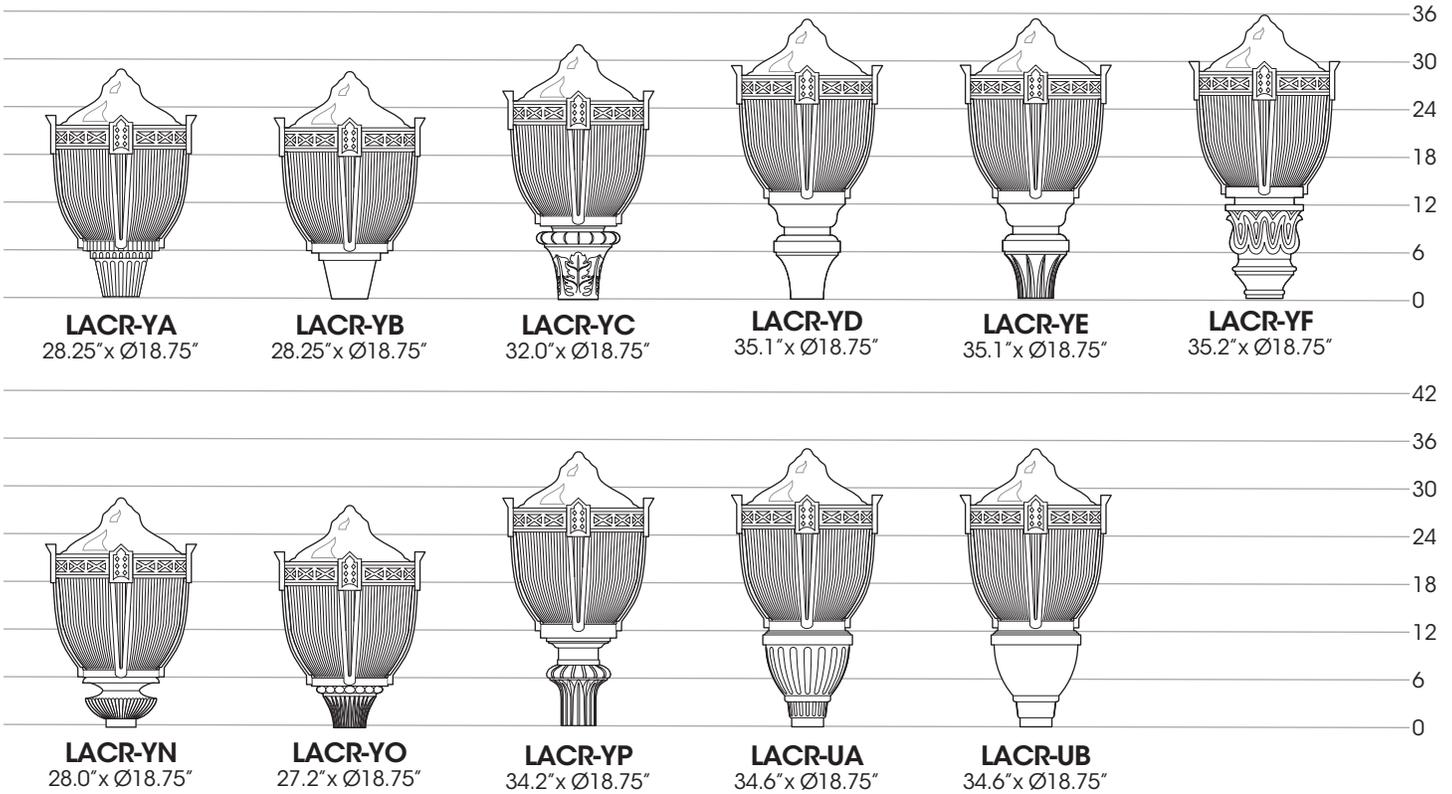
Notes:

All Fitters have 3" ID Opening for 2.88″ OD Tenon.
Standard Tenon length is 3.0″.
Stainless Steel Set Screws provided for Mounting.
All Fitters can accept Mini-Button Photo Cells.
YD, YE, UA, & UB Fitters can accept Standard Twist
Lock Photo Cells TPR3 and TPR5 only (see Details)
UA & UB fitters have a removable electrical tray.

UA & UB Utility Fitters

Removable Electrical Tray

Access Door With Photocell Window
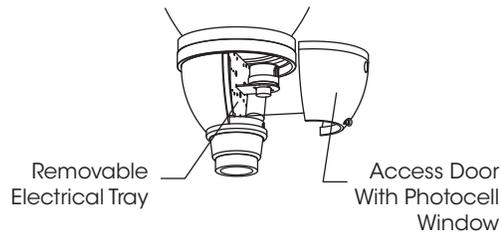
YD & YE Twist Lock Photocell Fitters

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SUN VALLEY LIGHTING
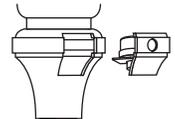
SAMPLE ASSEMBLIES

A. 34-1050C-10'/PT//LACR-YF-BF/LED/ACCESSORIES/FINISH

B. 27-1046T-11'/XAC-2-180/LACR-YF/LED/ACCESSORIES/FINISH

C. 7-1058C-10'/PT/LACR-YA/LED/ACCESSORIES/FINISH

D. 44 -1080C-13'/XAA-2-180/LACR-YD-OF/LED/ACCESSORIES/FINISH

E. XAP-WM/LACR-YF-BF/LED/ACCESSORIES/FINISH

Sample Assemblies show a small offering of the Sun Valley Line of Poles, Bases, Shafts, Arms, & Luminaires. Please visit usaltg.com for the full product offering.

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![Sun Valley Lighting logo]

OPTIONS

INSTALLATION DETAIL

Brass Finial

3.25"

1.00"

Ornamental Finial

5.00"

3.25"
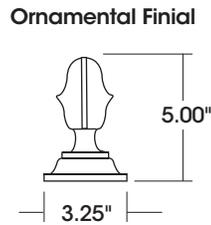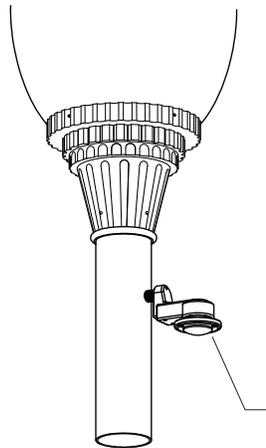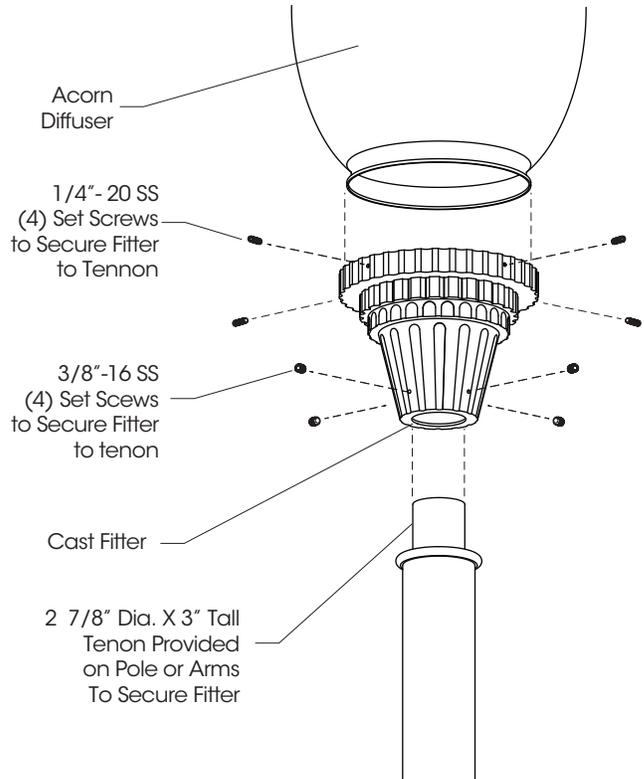
**POLE MOUNTED
MFS-311BLUETOOTH
PHOTO/MOTION SENSOR**

Factory Settings:
No Motion - 50%
Motion - 100%
Delay - 15 min.
Photocell - 75fc

Sensors can be Field
Programmed With
Bluetooth App

Coupling Provided
on Pole to Secure
Motion Sensor.

Acorn
Diffuser

1/4"- 20 SS
(4) Set Screws
to Secure Fitter
to Tennon

3/8"-16 SS
(4) Set Scews
to Secure Fitter
to tenon

Cast Fitter

2 7/8" Dia. X 3" Tall
Tenon Provided
on Pole or Arms
To Secure Fitter

High Low Dimming For Switches (HLSW)
The HLSW is a Small Electronic Switch which Provides High Low Dimming Control Through the LED Driver's 0-10V Control. Switching is Done by Adding a Seconday AC Switched Hot Trigger Line to the HLSW in Addition to the Normal AC Power Line. When the Secondary Trigger Line is Powered, the Fixture will go to 100% Dimming. With no Power to the Trigger, the Fixture will operate at 50% or 25% Dimming. Switches for the Trigger Line can be a Normal AC Switch/Breaker or Timed Switch/Breaker.

Wireless and Other Fixture Controls
Contact Factory for Wireless and Other Fixture Controls and Recomendations. Most Controls Can be Integrated and Factory Installed.

ELECTRICAL DATA GUIDE - AMPERAGE CHARTS

# of LEDs	mA	System Watts	120V	208V	277V	347V	480V
32	350	34	0.28	0.16	0.12	0.10	0.07
32	525	52	0.43	0.25	0.19	0.15	0.11
32	700	69	0.58	0.33	0.25	0.20	0.14
48	350	51	0.43	0.25	0.18	0.15	0.11
48	525	78	0.65	0.38	0.28	0.22	0.16
48	700	104	0.87	0.50	0.38	0.30	0.22
64	350	68	0.57	0.33	0.25	0.20	0.14
64	525	103	0.86	0.50	0.37	0.30	0.21
64	700	138	1.15	0.66	0.50	0.40	0.29

Electrical Amperage Loads are for High Power White LED's in All Color Temperatures.

Wattages are System Watts or Total Input Watts and include all Electrical Components.

Use 0.80 Scale factor for TRA LED's.

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