Date: _____ Customer: _____

Project: _____

Type: _____ Qty: _____

Arca LED Gen5

Order Code: ACL ___ - _____ - _____ - ___ - _____ - _____ - _____

Pole Order Code: _____ - _____ - _____ - HC _____ - _____ - __ __ __ __ __ __ __ __
Series | Height | Finish | Helicoil Pair | Options | Helicoil Locations

ACL	Series	**ACL** Arca LED					
_____	Optics	**R1** Type I	**R2** Type II	**R3** Type III	**R4** Type IV	**R5R** Type V (Round)	**R5S** Type V (Square)
_____	Mounting	**S1** Single	**S2** Double	**SBX**[1] Sistema Mount	**W** Wall Mount		[1] Max 4 heads (SB4)
_____	Light Engine	**5G1350** Single LED 24W/2520lm	**5G1530** Single LED 36W/3540lm	**5G1800** Single LED 54W/5346lm	**5G2350**[2] Double LED 48W/5040lm	**5G2530**[2] Double LED 72W/6558lm	**5G2800**[2] Double LED 100W/9900lm
_____	CCT	**27**[3] 2700K	**30**[3] 3000K	**40** 4000K			
_____	Finish	**WH** White	**BK** Black	**BL** Semi-Matte Black	**BZ** Bronze	**SV** Silver	**SP** Specify Premium Color
_____	Voltage	**120** 120V	**240** 240V	**277** 277V	**347**[4,5] 347V	**480**[4,5] 480V	
_____	Options	**DM**[7] Dimming (0-10V)	**HS**[6] House Side Shield				

Light Engine notes:
* Based on R1 distribution and 3000K CCT
[2] Only available with S1 and S2 mounting

CCT notes:
* For other CCT please consult factory
[3] 2700K and 3000K IDA approved

Voltage notes:
[4] 5G1350, 5G1530, 5G1800, 5G2350 come with step-down transformer in handhole
[5] S2-5G2350, S2-5G2530, and S2-5G2800 come with stepdown transformer in handhole

Options notes:
[6] Type I, II, III, and IV only
[7] DM, or TLR only. Cannot be combined.

Product Modifications

Please list modification requirements for review by factory:

Approvals

Date:

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BUY AMERICAN | NRTL WET | 5 YEAR LED WARRANTY | RoHS COMPLIANT | IP65 | IK08 | UNION MADE IBEW LOCAL 363 | Ida APPROVED

ACL-R2-S1

29"
(737mm)

①

③

Single LED View

4" Square
(102mm)

Double LED View

Net Weight: 12 lbs.

Specifications

1. Luminaire Cover - Two piece high pressure die cast housing, made of low copper aluminum alloy. Toolless latch allows easy access to light engine and gear tray components.

2. Gasketing - (not shown) UV and ozone-resistant, silicone gasket between fixture housing and lens base provide IP65 level ingress protection.

3. LED Array - High Flux LEDs mounted to metal core PCB and attached to external heat sink for maximum LED performance and life. CCT tolerance within a 3-step bin and provided with a minimum CRI of 80. LED array has a reported lumen maintenance of 93% at 50,000 hours. L70 calculated greater than 100,000 hours. Exposed face rated to IP65.

4. LED Optics - Technical Optics (R1, R2, R3,R4, R5S, and R5R) use Selux signature light pattern acrylic lens holder to secure proprietary silicone optics. Internal micro house side shield available for distributions types I, II, III and IV.

5. LED Driver - LEDs are driven by RoHS compliant constant current programmable LED driver. Driver includes 0-10V dimming to 10%, meets the requirements of IP66.

6. Surge Protection - (not shown) Designed to protect luminaire from electrical surge (20kA).

7. Power Cord - (not shown) Pre-installed at factory. Power cords are specified to fit the length of the pole specified with the luminaire.

Exterior Luminaire Finish - Selux utilizes a high quality Polyester Powder Coating. All Selux luminaires and poles are finished in our Tiger Drylac certified facility and undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultraviolet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI. Standard exterior colors are White (WH), Black (BK), Semi-Matte Black (BL) Bronze (BZ), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

5 Year Limited LED Luminaire Warranty - Selux offers a 5 Year Limited Warranty to the original purchaser that the Arca LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED array when installed and operated according to Selux instructions. For details, see "Selux Terms and Condition of Sale."
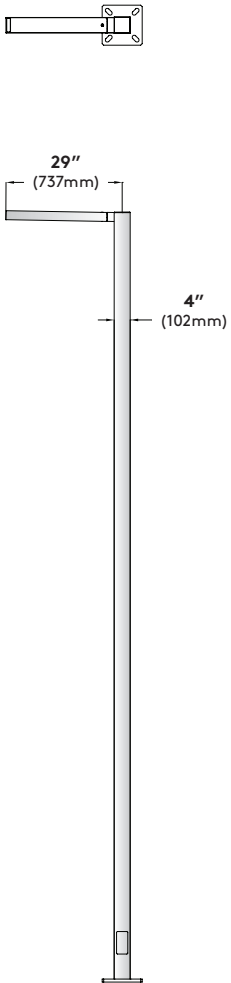
Listings and Ratings: Luminaire and LED tested to IP65 and IESNA LM-79-08 standards. LED tested to LM-80 standards. Luminaire and LED tested at 25°C ambient temperature. ARCA LED suitable for ambient temperatures of 40°C (104°F). Minimum operating temperature of luminaire at -40°C (-40°F). NRTL Listed for wet location (i.e. UL, CSA) Visit selux.us for our LED End of Life recycling policy.

NRTL Listed (i.e. UL, CSA)

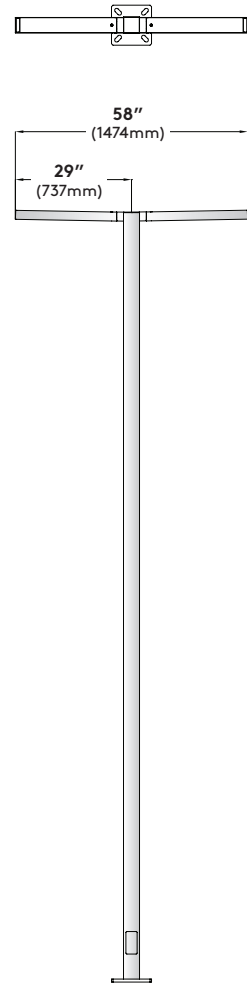**For Buy American compliance on poles, please consult the factory.**

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Mounting

Single (S1)
Single pole top mount
(Helicoil Location: 0B)

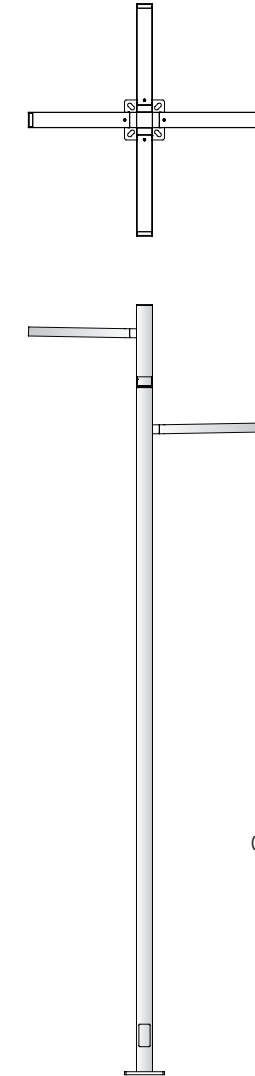**Double (S2)**
Double pole top mount
(Helicoil Location: 0B-0D)

Triple (SB3)
Die cast aluminum Sistema lateral
bracket secured in pole side.
(Helicoil Location: 1B-2A-3D)
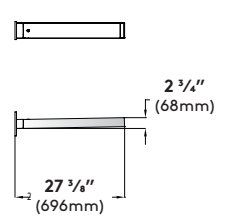
Quadruple (SB4)
Die cast aluminum Sistema lateral
bracket secured in pole side.
(Helicoil Location: 1B-2A-3D-4C)

Wall Mount (W)
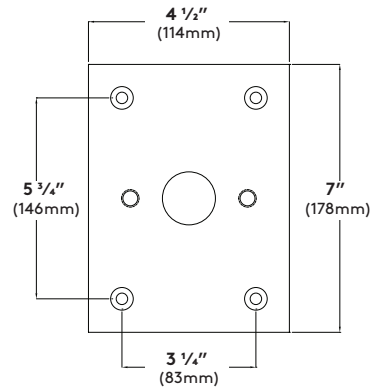Die cast aluminum single
luminaire mount and
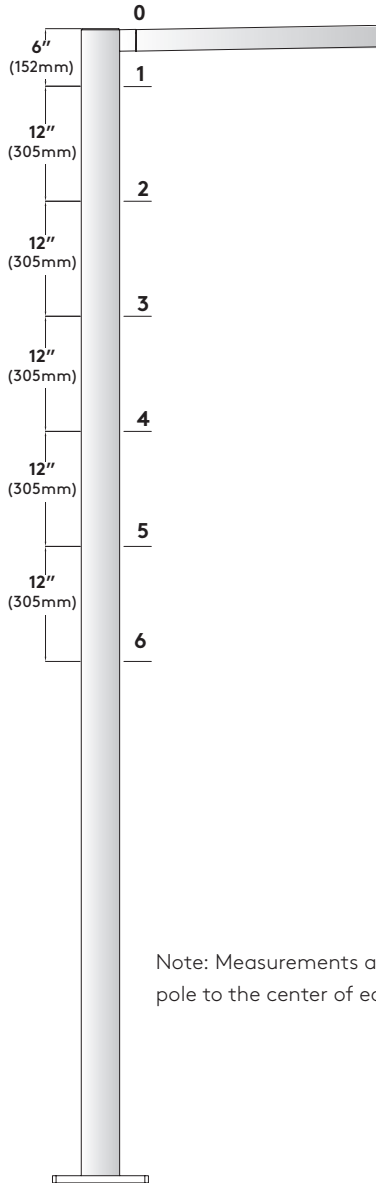steel mounting plate
secured to wall with ¼"
flat head screws.

29"
(737mm)

4"
(102mm)

58"
(1474mm)

29"
(737mm)

29"
(737mm)

2 ¾"
(68mm)

27 ⅜"
(696mm)

Overall
Height
(16' shown)

Wall Mounting Detail
(Conduit and mounting hardware
by others).

4 ½"
(114mm)

5 ¾"
(146mm)

7"
(178mm)

3 ¼"
(83mm)

EPA Weight = 12 lbs.

EPA
0.57ft²

EPA Weight = 24 lbs.

EPA
1.14ft²

EPA Weight = 36 lbs.

EPA
1.23ft²

EPA Weight = 48 lbs.

EPA
1.64ft²

EPA Weight = 12 lbs.

EPA
0.59ft²

Mounting Detail

0

6"
(152mm)

1

12"
(305mm)

2

12"
(305mm)

3

12"
(305mm)

4

12"
(305mm)

5

12"
(305mm)

6

Mounting Configuration							
Height Code	0	1	2	3	4	5	6
Distance from Top of Pole	0.0'	0.5'	1.5'	2.5'	3.5'	4.5'	5.5'

Angular Location Code	Clockwise From Handhole						
A	0°						
B	90°						
C	180°						
D	270°						

*No Luminaire Below 7.5'

Note: Measurements are from the top of the
pole to the center of each fixture

B=90°

Hand hole

A=0°

C=180°

D=270°

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Square Pole Motion Sensor

The Selux outdoor rated sensor incorporates Passive Infrared (PIR) Technology for motion sensing and also includes built-in photocell. Sensor comes pre-installed in cast aluminum housing painted to match pole finish.

Series	Hand Hole Orientation	Dim Level	Photocell Feature	Voltage
MS Motion Sensor (270° coverage)	**00** 0° Clockwise from Hand Hole	**D0** (Off)	**Y** Yes	**UNV** (120-277V)
	09 90° Clockwise from Hand Hole	**D1** (1V=10%)		**347*** (347V)
	18 180° Clockwise from Hand Hole	**D3** (3V=30%)	**N** No	**480*** (480V)
	27* 270° Clockwise from Hand Hole	**D5** (5V=50%)		*consult factory for 347V and 480V

1'-0"
(304.8mm)

Overall Pole Height
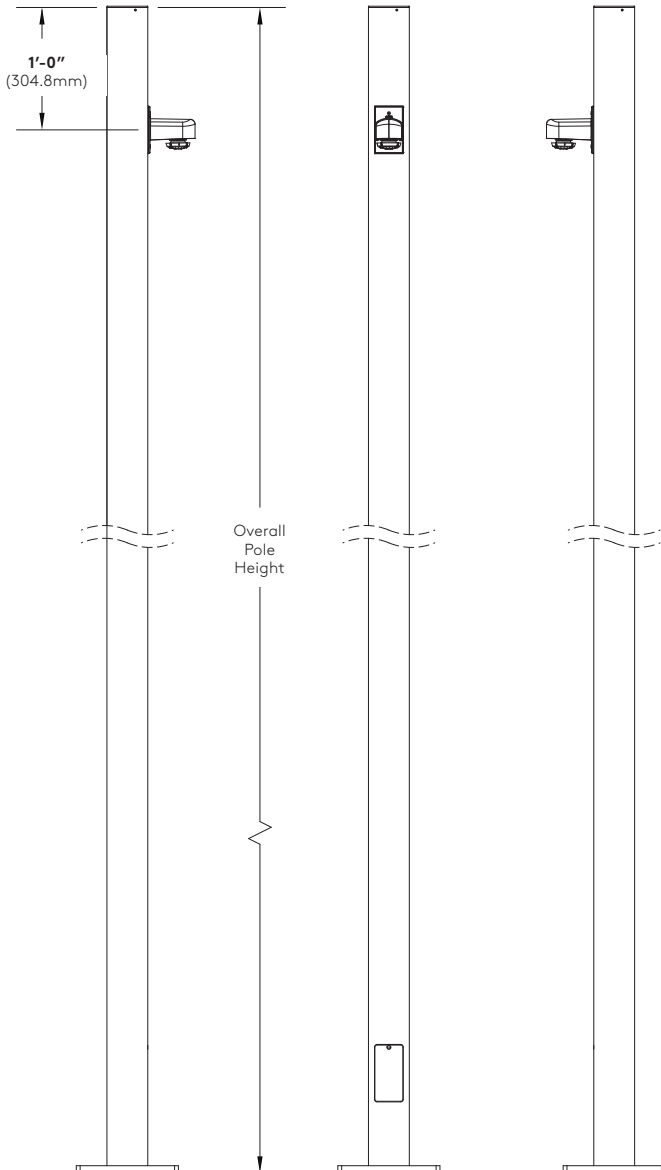
Factory Defaults:

Delay to Dim: 5 minutes
Delay to Off: 1 hour
Sensitivity: Max
Custom Programming: Consult Factory

General pole drawing for example only
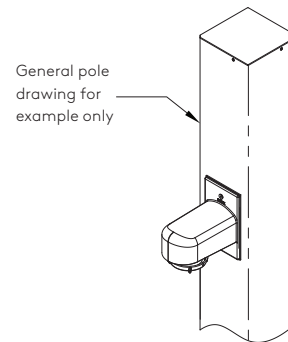
Sensor angular orientation from hand hole 0°
90° increments clockwise around pole (Type 00, 09, 18, 27)

Type 09 (90°)

Hand Hole Location Type 00 (0°)

Type 18 (180°)

Type 27 (270°)

Top View

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Motion Sensor Features

- Customize programming using handheld wireless remote control (FSIR-100) sold separately (by others)
- 5 Year Warranty
- 100% Digital PIR Detection, excellent RF Immunity
- 270° coverage pattern
- IP66 Rated for outdoor applications
- Made for LED light source
- Adjustable time delays, max/min dim levels, and ramp rates
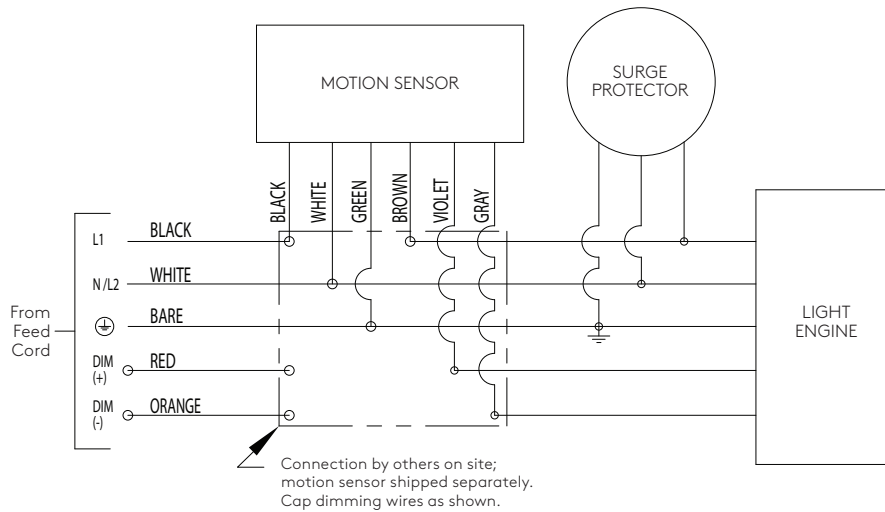- Suitable for Title 24 applications

(For coverage details refer to wattstopper FSP-211 spec sheet at www.wattstopper.com)

General pole drawing for example only
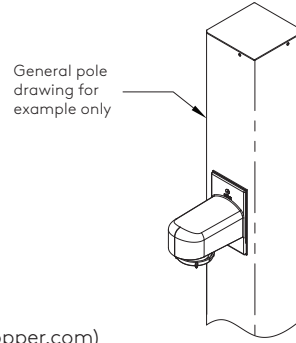
FSIR-100 (remote)

Sold Separately (by others)

Motion Sensor Option (MS) Wiring (120V-277V)

MOTION SENSOR

SURGE PROTECTOR

BLACK | WHITE | GREEN | BROWN | VIOLET | GRAY

L1 — BLACK
N/L2 — WHITE
⏚ — BARE
DIM (+) — RED
DIM (-) — ORANGE

From Feed Cord

LIGHT ENGINE

Connection by others on site; motion sensor shipped separately. Cap dimming wires as shown.

Wire Designation Table		
Source Voltage (VAC)	**Wire Color**	**Wire Designation**
UNV (120V-277V)	Black	L1
	White	Neutral (120V/277V or 208V/240V)

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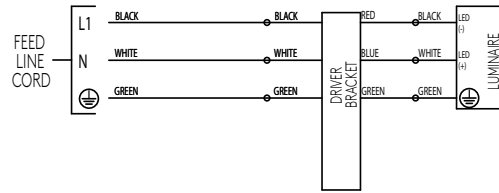## Arca LED Gen5 5G2 — Single LED Module Wiring

Standard Wiring
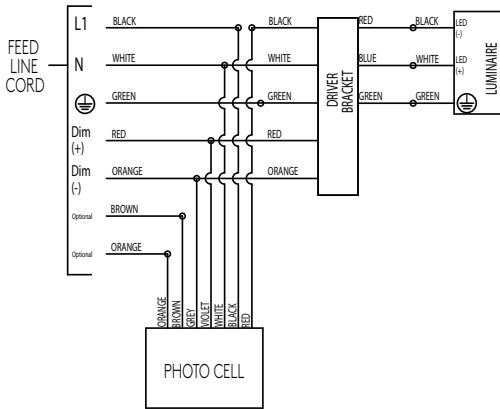

0-10V Dimming Option (DM) Wiring
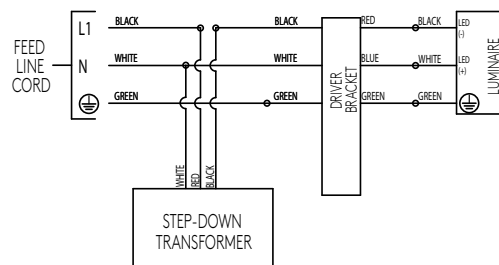

Photocell Wiring

347/480V Wiring

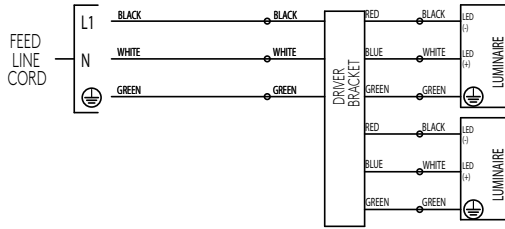### 7-Pln Receptacle Wiring

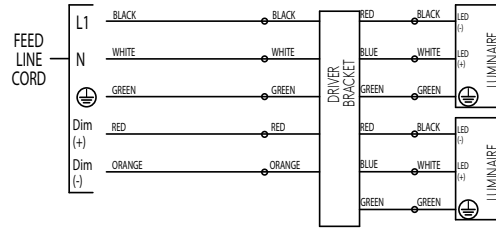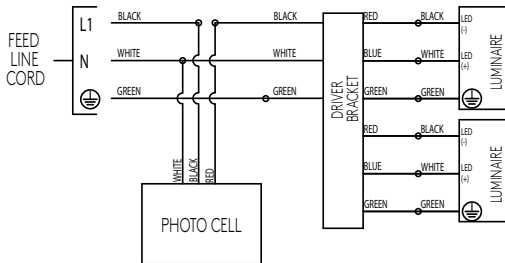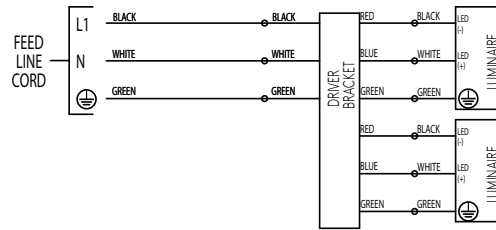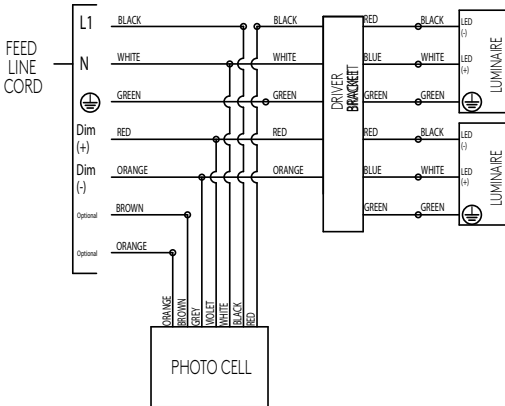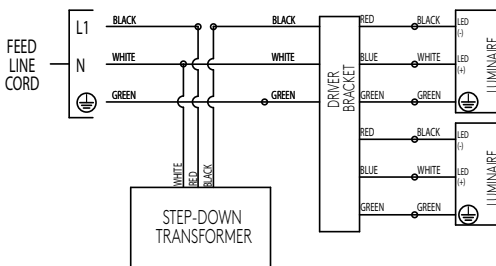### 347/480V with Step-down Transformer Wiring

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Arca LED Gen5 5G2 — Double LED Module Wiring
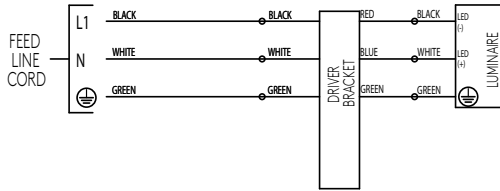
Standard Wiring

0-10V Dimming Option (DM) Wiring
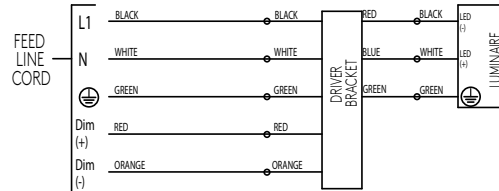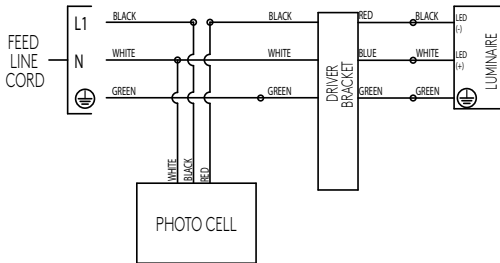
Photocell Wiring

347/480V Wiring

7-PIn Receptacle Wiring

347/480V with Step-down Transformer Wiring

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Pole Information

**Arca Pole
Square Straight Aluminum**

4″ (102mm)

Overall Height

9 ¹³/₁₆″ (249mm)

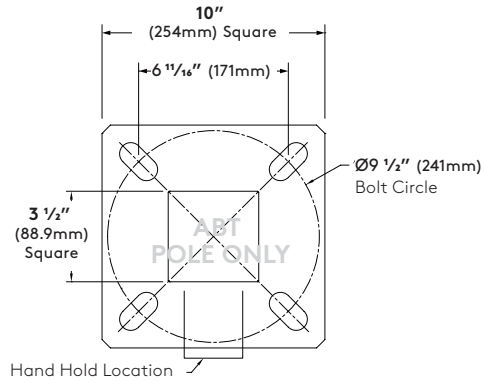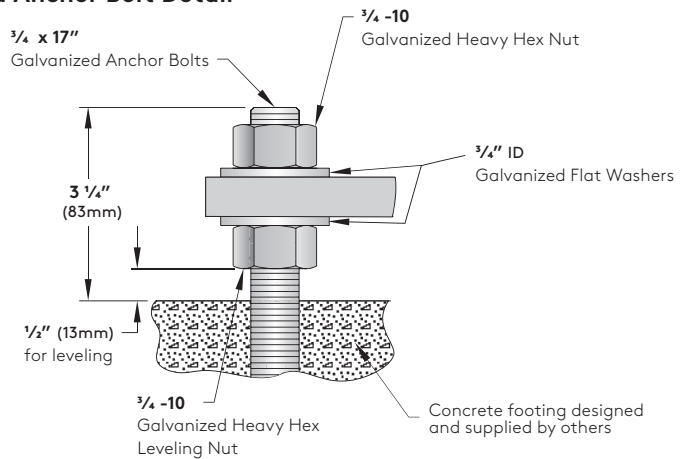## Arca Bolt Circle Template

Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown.

10″ (254mm) Square

6 ¹¹/₁₆″ (171mm)

Ø9 ½″ (241mm) Bolt Circle

3 ½″ (88.9mm) Square

ABT POLE ONLY

Hand Hold Location

Note: Adequate drainage must be provided in concrete foundation.

Arca Anchor Bolt Detail

¾ x 17″ Galvanized Anchor Bolts

¾ -10 Galvanized Heavy Hex Nut

¾″ ID Galvanized Flat Washers

3 ¼″ (83mm)

½″ (13mm) for leveling

¾ -10 Galvanized Heavy Hex Leveling Nut

Concrete footing designed and supplied by others

Pole Data Chart

Pole Series	Bolt Circle	EPA Information											Height	Finish	Helicoil Inserts	Options
		Basic Wind Speed (MPH)														
		85	90	100	110	120	130	140	150	160	170	180				
		19.2	16.7	12.8	10.0	7.8	6.1	4.8	3.7	2.8	2.1	1.5	8	WH White	HC1 1 Pair	BC Base Cover
		13.7	11.7	8.7	6.4	4.6	3.3	2.2	1.3	0.6	-	-	10	BK Black	HC2 2 Pair	TLR Twist Lock Receptacle with 7-Pin Shorting Cap
		9.8	8.1	5.6	3.7	2.2	1.1	-	-	-	-	-	12	BL Semi-Matte Black	HC3 3 Pair	TLRP Twist Lock Receptacle 3-Pin with Photocell
A-A40-250	Ø9 ½″	6.7	5.3	3.1	1.5	-	-	-	-	-	-	-	14	BZ Bronze	HC4 4 Pair	TLRLL Twist Lock Receptacle with 7-Pin Lutron Limelight Sensor
		4.2	3.0	1.0	-	-	-	-	-	-	-	-	16	SV Silver		MS Pole Mounted Motion Sensor. See page 5 for order code.
		2.0	0.9	-	-	-	-	-	-	-	-	-	18	SP Specify Premium Color		REC GFCI Receptacle with weather-proof cover

Additional Options: REC2 GFCI Receptacle with padlockable in-use cover; REC3 USB & Duplex Receptacle with weatherproof cover; REC4 USB & Duplex Receptacle with weatherproof padlockable in-use cover

*Weatherproof cover intended for portable tools or other portable equipment connected to the outlet only when attended. For other requirements please consult factory.

Notes:
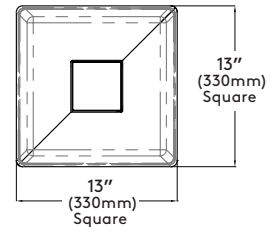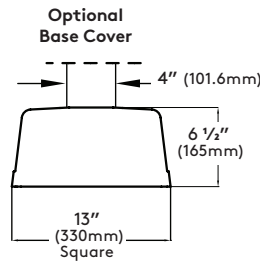
1) Maximum EPA ratings certified in accordance with AASHTO 2013 (LTS-6) for 3-s gust wind speeds based on Allowable Stress Design (ASD) analysis

2) Consult factory for equivalent Load and Resistance Factor Design (LRFD) wind speeds

3) Rated performance is dependant upon the pole being properly attached to a supporting foundation of adequate design
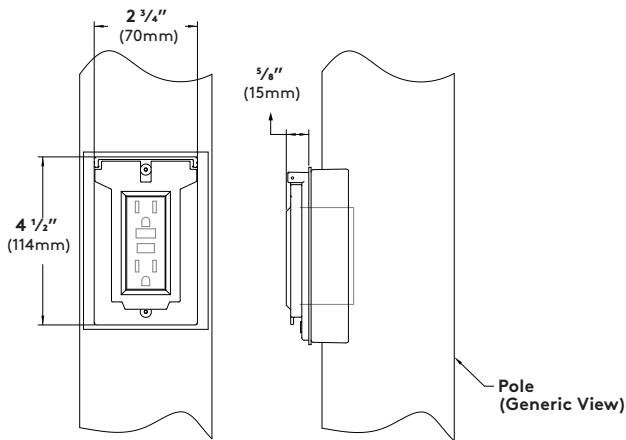
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Optional Accessories

Photocell (TLRP) - 3-Pin Receptacle with Twist Lock Photocell at top of pole.

2 ¹/₈"
(54mm)

Base Cover (BC)

Optional Base Cover

4" (101.6mm)

6 ½"
(165mm)

13"
(330mm)
Square

13"
(330mm)
Square

13"
(330mm)
Square

REC and REC3

2 ³/₄"
(70mm)

⁵/₈"
(15mm)

4 ½"
(114mm)
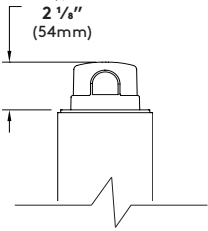
Pole
(Generic View)

Cover shown in the closed position

REC2 and REC4

3 ⁹/₁₆"
(91mm)

2 ¼"
(58mm)

6 ¹¹/₁₆"
(170mm)
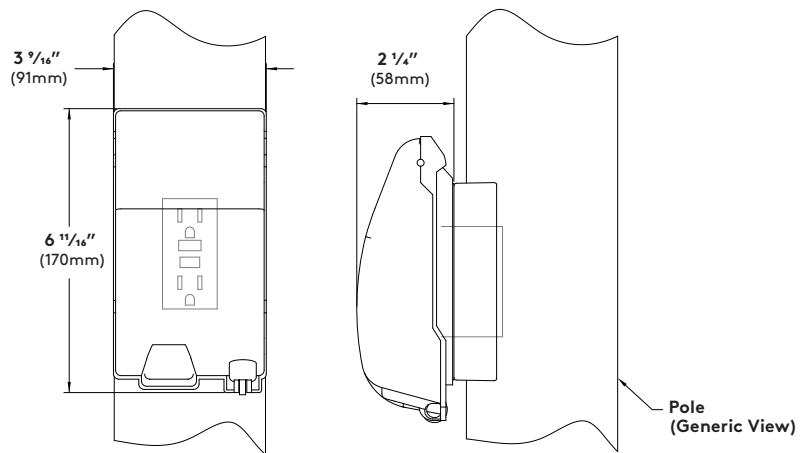
Pole
(Generic View)

Cover shown in the closed position

GFCI Receptacle (REC) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

USB & Duplex Receptacle (REC3) (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

REC3 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

GFCI Receptacle (REC2) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing, padlockable in-use cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

USB & Duplex Receptacle (REC4) (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing padlockable in-use cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

REC4 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

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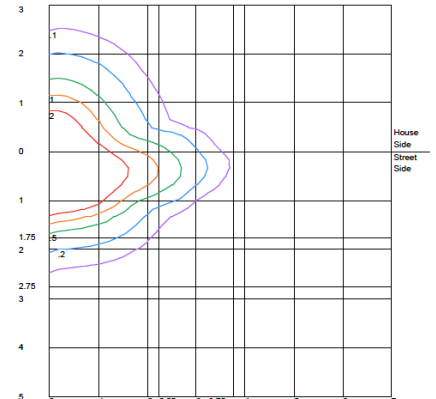ACL_V6.2

Arca LED

Photometry

R1 / 61W LED / 3000K CCT

Catalog #: ACL-R1-X-5G2530-30-XX-120
Report #: 13212221.15
Delivered Lumens: 7579
Efficacy: 124
IES classification: Type II
Maximum candela of 4011.3 at 65° from vertical
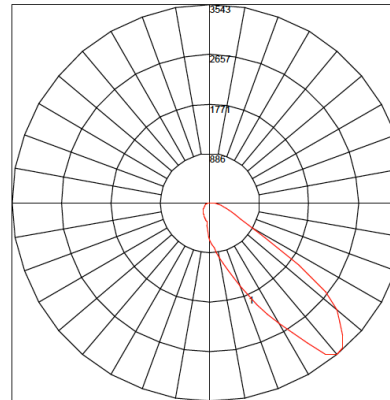BUG Rating: B2-U0-G2
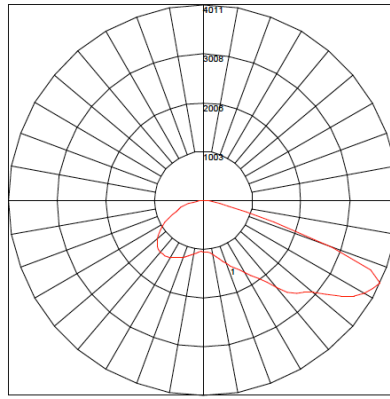
Maximum Candela = 4011.304   Located At Horizontal Angle = 77.5, Vertical Angle = 65
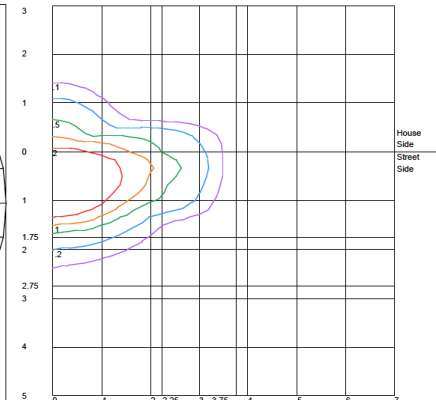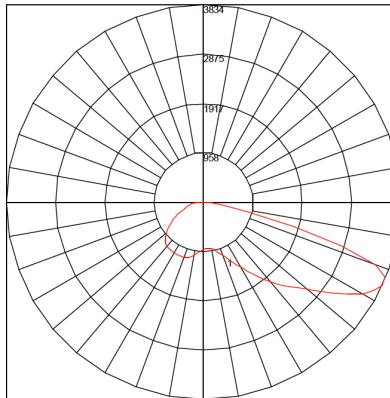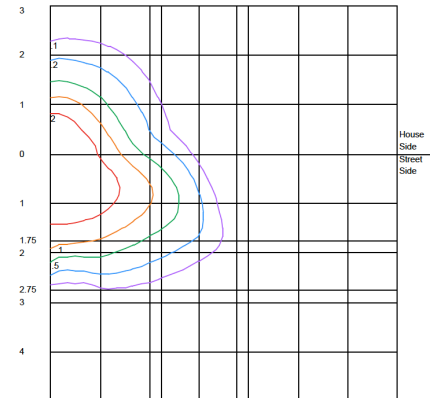# 1 - Vertical Plane Through Horizontal Angles (77.5 - 257.5) (Through Max. Cd.)

Distance In Units Of Mounting Height
Values Based On 16 Foot Mounting Height

R1 with HS/ 61W LED / 3000K CCT

Catalog #: ACL-R1-X-5G2530-30-XX-120-HS
Report #: 13212221.15
Delivered Lumens: 5247
Efficacy: 86
IES classification: Type II
Maximum candela of 3542.8 at 40° from vertical
BUG Rating: B2-U0-G1

Maximum Candela = 3542.764   Located At Horizontal Angle = 0, Vertical Angle = 40
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

Distance In Units Of Mounting Height
Values Based On 16 Foot Mounting Height

R2 / 61W LED / 3000K CCT

Catalog #: ACL-R2-X-5G2530-30-XX-120
Report #: 13212221.17
Delivered Lumens: 7352
Efficacy: 121
IES classification: Type III
Maximum candela of 3833.7 at 65° from vertical
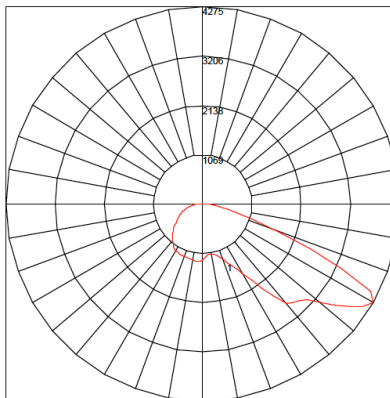BUG Rating: B2-U0-G2

Maximum Candela = 3833.7   Located At Horizontal Angle = 62.5, Vertical Angle = 65
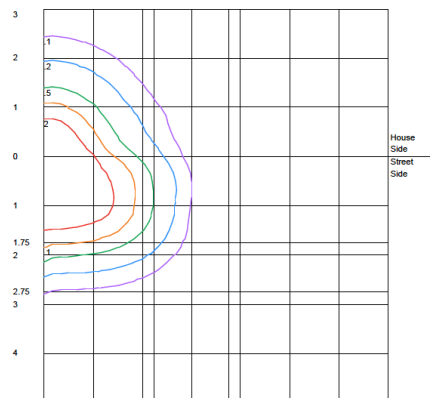# 1 - Vertical Plane Through Horizontal Angles (62.5 - 242.5) (Through Max. Cd.)

Distance In Units Of Mounting Height
Values Based On 16 Foot Mounting Height

R3 / 61W LED / 3000K CCT

Catalog #: ACL-R3-X-5G2530-30-XX-UNV
Report #: 113212221.17
Delivered Lumens: 7286
Efficacy: 119
IES classification: Type III
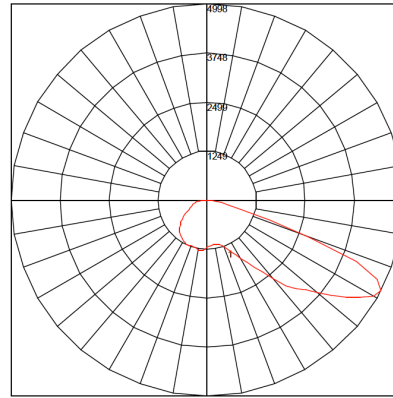Maximum candela of 4275.1 at 60° from vertical
BUG Rating: B2-U0-G1

Maximum Candela = 4275.143   Located At Horizontal Angle = 45, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
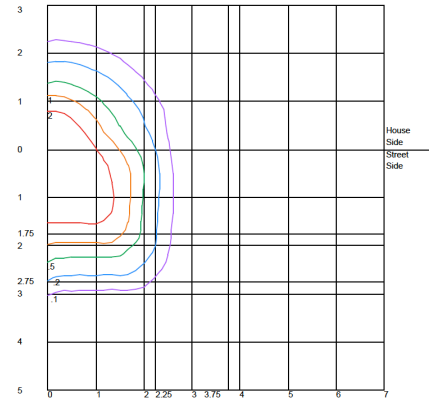
Distance In Units Of Mounting Height
Values Based On 16 Foot Mounting Height

Arca LED

Photometry

R4 / 61W LED / 3000K CCT

Catalog #: ACL-R4-X-5G2530-30-XX-UNV
Report #: 13212221.17
Delivered Lumens: 7435
Efficacy: 122
IES classification: Type III
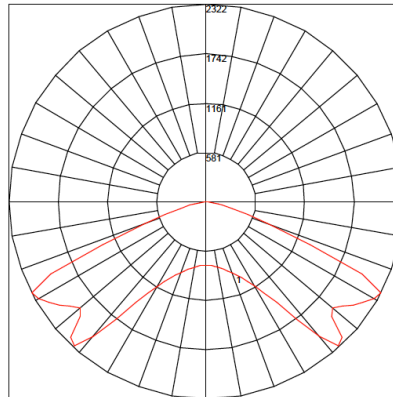Maximum candela of 4998 at 62.5° from vertical
BUG Rating: B2-U0-G1

Maximum Candela = 4997.992   Located At Horizontal Angle = 35, Vertical Angle = 62.5
1 - Vertical Plane Through Horizontal Angles (35 - 215) (Through Max. Cd.)
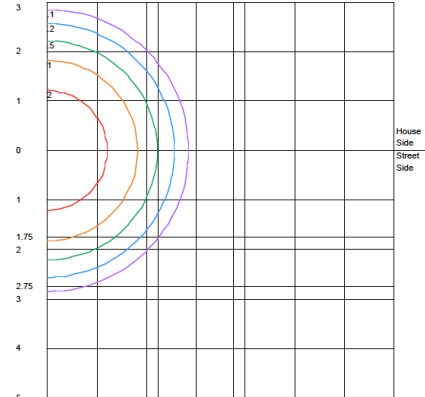
Distance In Units Of Mounting Height
Values Based On 16 Foot Mounting Height

R5R / 61W LED / 3000K CCT

Catalog #: ACL-R5R-X-5G2530-30-XX-120
Report #: 13212221.17
Delivered Lumens: 7515
Efficacy: 123
IES classification: Type V
Maximum candela of 2322.4 at 652.° from vertical
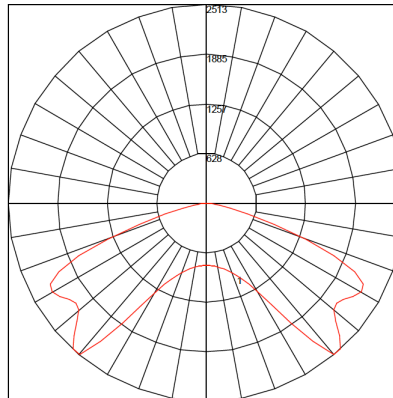BUG Rating: B3-U0-G1

Maximum Candela = 2322.428   Located At Horizontal Angle = 0, Vertical Angle = 62.5
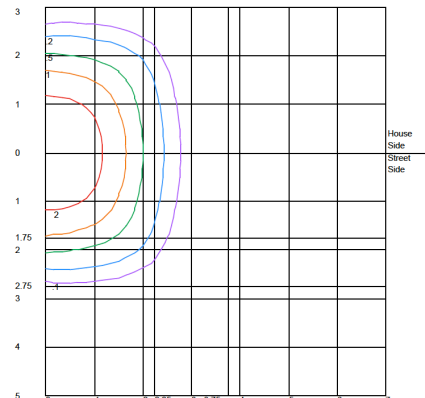# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

Distance In Units Of Mounting Height
Values Based On 16 Foot Mounting Height

R5S / 61W LED / 3000K CCT

Catalog #: ACL-R5S-X-5G2530-30-XX-UNV
Report #: 13212221.17
Delivered Lumens: 7472
Efficacy: 122
IES classification: Type VS
Maximum candela of 2513.1 at 42.5° from vertical
BUG Rating: B2-U0-G1

Maximum Candela = 2513.118   Located At Horizontal Angle = 45, Vertical Angle = 42.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)

Distance In Units Of Mounting Height
Values Based On 16 Foot Mounting Height

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In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.us are the most recent versions and supercede all other printed or electronic versions.

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