

ARI EV

LUMINAIRE + EV CHARGER + POLE



Integrated EV Charging & Area Lighting System

ARI EV integrates an EV charging station, square steel pole, and LED area luminaire into a single assembly. The system provides Level 2 EV charging up to 80A / 19.2kW per port while delivering site lighting with scalable lumen packages from 6,600 to 61,000 lumens, supporting EV-ready parking and commercial environments.

System Features

- Integrated EV charging and site lighting in a single pole-mounted system
- Reduces installation footprint and infrastructure complexity
- Dual-port Level 2 EV charging capability
- Network-enabled charging with OCPP 1.6J compatibility
- Scalable LED lighting with multiple distributions and CCT options
- Suitable for parking lots, campuses, and commercial developments



Component	Key Specifications
EV Charger	Level 2, up to 80A / 19.2kW per port
Lumens	6,600–61,000 lumens
CCT	3000K / 4000K / 5000K
Distribution	Type II / III / IV / V
Pole Height	10–20 ft
Voltage	120-277V

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ORDER CODE

Order code consists of three components: Luminaire, EV charger and Pole. Configure each section to complete the full system code.

LUMINAIRE										
System Model	Wattage	Voltage	CCT	Finish	Photocell	Sensor	Mounting	Photometry	CCT and Power Adjustable	Options
ARI EV		27V	DDK	D			SQ			
ARI EV = Luminaire EV and Pole System	100 = 100W 140 = 140W 180 = 180W 250 = 250W 300 = 300W 400 = 400W	27V = 120-277V	DDK = Adjustable Color Temperature <i>Note:</i> 400W models: Adjustable CCT 4000K / 5000K. All other wattages: Adjustable CCT 3000K / 4000K / 5000K	D = Dark Bronze <i>Consult factory for additional finish options</i>	NO = None P0 = 120-277V Photocell P3 = 3 Pin Nema Photocell P4 = 3 Pin Nema 480V Photocell P7 = 7 Pin Nema Photocell	NO = None PIR = Plug and Play PIR Sensor PIRB = Plug and Play Bluetooth PIR Sensor MWS = Plug and Play Microwave Sensor MWSB = Plug and Play Bluetooth Microwave Sensor PIR120 = 120-277V PIR PIR120B = 120-277V Bluetooth PIR Sensor	SQ = Square Pole Mounting	T2 = Type II T3 = Type III T4 = Type IV T5 = Type V	NO = None AD = Adjustment Dial	NO = None EGS = External Glare Shield EGFV = External Glare Full Visor BCS = Backlight Control Shield

Example order code:

ARIEV – 100 – 27V – DDK – D – NO – NO – SQ – T2 – NO – NO / **EV** – 1 – 3.8 – 00 – Z – NO / **POLE** – SNTS104 11 – 190 – 8019S – NO

ACCESSORIES(Optional)

ARI 8 series features a backlight control which provides reduced pixilation and increased visual comfort without compromising performance.
 External Glare Shield: sold separately or as an accessory.

External Glare Shield		External Glare Full Visor	
Plug-and-Play PIR Sensor PIR sensor: ANT-6-4T Bluetooth PIR sensor: ANT-6-4T-BLE-SR	Plug-and-Play Microwave Sensor Microwave sensor: ANT-5-4T Bluetooth microwave sensor: ANT-5-4T-BLE-SR	120-277V PIR Sensor PIR sensor: BR123-B-D Bluetooth PIR sensor: BR123-B-D-BLE-SR	NEMA Photocell 3 pin NEMA Type: MS-PSUNVB1 3 pin NEMA Type(480V): JL-207F 7 pin NEMA Type: JL-241C
Back Light Control Shield			

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ORDER CODE

EV CHARGER						POLE				
EV Model	Ports	Output	Network	Pay for Charge	Options	Model	Pole	Pole Mounting	Finish	Options
EV				Z		POLE			8019S	
EV = Standard	1 = 1 Port 2 = 2 Ports	3.8 = 3.8Kw-16A 8.6 = 7.6Kw-32A 9.6 = 9.6Kw-40A 11.5 = 11.5Kw-48A 16.8 = 16.8Kw-70A 19.2 = 19.2Kw-80A	00 = Standard C = Cellular W = WiFi CW = Cellular + WiFi	Z = Zeftron	NO = None SL = Braided Steel Sleeve ETO = Engineered to Order Options	POLE = Pole Model	Pole Width 4" Wall Thickness 11 SNTS 104 - 11 = Pole Height 10' SNTS 124 - 11 = Pole Height 12' SNTS 144 - 11 = Pole Height 14' SNTS 154 - 11 = Pole Height 15' SNTS 164 - 11 = Pole Height 16' SNTS 184 - 11 = Pole Height 18' SNTS 204 - 11 = Pole Height 20'	Drill Mount 1-90 = 1 at 90° 2-90 = 2 at 90° 2-180 = 2 at 180° 3-90 = 3 at 90° 4-90 = 4 at 90° 3-120 = 3 at 120° * *3-120 requires PT27 and T3120 Adapter Standard drilling pattern provided. For alternative configurations, the customer must provide a drilling template. Tenon Mount Available	8019S = Dark Bronze Consult factory for additional finish options Receptacle GFI = G.F.I. Receptacle w/ Cover GFI-IU = G.F.I. Receptacle w/ In-Use Cover Specify GFI location: Height and Direction See Location Diagram Page 14 T3120 = 3 Way Adapter For alternative configurations, the customer must provide a drilling template. Coupling CPLN12 = ½" Coupling CPLN34 = ¾" Coupling CPLN114 = 1¼" Coupling CPLN112 = 1½" Coupling CPLN2 = 2" Coupling Specify Coupling location: Height and Direction See Location Diagram Page 14 Nipple NPLE12 = ½" Nipple NPLE34 = ¾" Nipple NPLE114 = 1¼" Nipple NPLE112 = 1½" Nipple NPLE2 = 2" Nipple Specify Coupling location: Height and Direction See Location Diagram Page 14	NO = None TRC = Tamper Resistant Hand Hole Cover VBDS-M2 = Vibration Dampener. 2nd Mode Field Install

Example order code:

ARIEV - 100 - 27V - DDK - D - NO - NO - SQ - T2 - NO - NO / **EV** - 1 - 3.8 - 00 - Z - NO / **POLE** - SNTS104 11 - 190 - 8019S - NO

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LUMINAIRE

Construction

- One-piece die-cast aluminum housing with integrated heat sink for efficient thermal management
- Low-profile, vibration-resistant design to minimize wind load
- Sealed housing protects internal components from moisture and environmental contaminants

Optics

- Available in IES Type II, III, IV, and V distributions
- Selectable CCT: 3000K / 4000K / 5000K
- Scalable lumen packages: 6,600 – 61,000 lumens
- Optical system designed to maximize efficiency and spacing performance
- Optics available to meet dark sky requirements

Electrical

- Universal input voltage: 120–277V or 347–480V
- Surge protection: 10kA (120–277V) / 20kA (347–480V)
- 0–10V dimming driver standard
- Selectable power levels: 40% / 60% / 80% / 100%
- THD: ≤20%
- Power factor: ≥0.90

Controls

- Optional occupancy or microwave sensor
- Optional Bluetooth sensor or controller
- Optional NEMA 3-pin or 7-pin photocell

Ambient Temperature

- Operating temperature: -40°C to 45°C (-40°F to 113°F)
- 400W model: -40°C to 40°C (-40°F to 104°F)

Mounting

- Suitable for 26–50 ft mounting heights in area lighting applications
- Compatible with round pole, square pole, slipfitter, wall, and yoke mounting

Lifetime

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

Finish

- Standard finish: Dark Bronze 

Medium Size: 100W/140W/180W



Large Size: 250W/300W/400W



Certifications

- UL Listed for Wet Locations
- DLC Qualified / DLC Premium

Disclaimer

Performance may vary depending on installation conditions and application. Values shown are typical and measured under laboratory conditions at 25°C (±5°C). Specifications are subject to change without notice.

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LUMINAIRE

PERFORMANCE DATA

ARI 100W									
SETTING	SYSTEM WATTS	DIST.TYPE	CRI	3000K		4000K		5000K	
				LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	100W	2	70	14500lm	145 lm/W	15800lm	158 lm/W	15000lm	150 lm/W
		3	70	14500lm	145 lm/W	15800lm	158 lm/W	15000lm	150 lm/W
		4	70	14500lm	145 lm/W	15800lm	158 lm/W	15000lm	150 lm/W
		5	70	15100lm	151 lm/W	16000lm	160 lm/W	15600lm	156 lm/W
80%	80W	2	70	12000lm	150 lm/W	13000lm	163 lm/W	12500lm	156 lm/W
		3	70	12000lm	150 lm/W	13000lm	163 lm/W	12500lm	156 lm/W
		4	70	12000lm	150 lm/W	13000lm	163 lm/W	12500lm	156 lm/W
		5	70	12500lm	156 lm/W	13300lm	166 lm/W	12800lm	160 lm/W
60%	60W	2	70	9300lm	155 lm/W	10000lm	167 lm/W	9600lm	160 lm/W
		3	70	9300lm	155 lm/W	10000lm	167 lm/W	9600lm	160 lm/W
		4	70	9300lm	155 lm/W	10000lm	167 lm/W	9600lm	160 lm/W
		5	70	9600lm	160 lm/W	10200lm	170 lm/W	9850lm	164 lm/W
40%	40W	2	70	6400lm	160 lm/W	6800lm	170 lm/W	6560lm	164 lm/W
		3	70	6400lm	160 lm/W	6800lm	170 lm/W	6560lm	164 lm/W
		4	70	6400lm	160 lm/W	6800lm	170 lm/W	6560lm	164 lm/W
		5	70	6560lm	164 lm/W	7000lm	175 lm/W	6700lm	168 lm/W

ARI 140W									
SETTING	SYSTEM WATTS	DIST.TYPE	CRI	3000K		4000K		5000K	
				LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	140W	2	70	20000lm	147 lm/W	23000lm	164 lm/W	21000lm	150 lm/W
		3	70	20000lm	147 lm/W	23000lm	164 lm/W	21000lm	150 lm/W
		4	70	20000lm	147 lm/W	23000lm	164 lm/W	21000lm	150 lm/W
		5	70	21000lm	150 lm/W	23500lm	168 lm/W	21500lm	154 lm/W
80%	120W	2	70	18000lm	150 lm/W	20000lm	167 lm/W	18500lm	154 lm/W
		3	70	18000lm	150 lm/W	20000lm	167 lm/W	18500lm	154 lm/W
		4	70	18000lm	150 lm/W	20000lm	167 lm/W	18500lm	154 lm/W
		5	70	18500lm	154 lm/W	20500lm	171 lm/W	19000lm	158 lm/W
60%	90W	2	70	13800lm	153 lm/W	15200lm	169 lm/W	14200lm	158 lm/W
		3	70	13800lm	153 lm/W	15200lm	169 lm/W	14200lm	158 lm/W
		4	70	13800lm	153 lm/W	15200lm	169 lm/W	14200lm	158 lm/W
		5	70	14000lm	156 lm/W	15600lm	172 lm/W	14500lm	161 lm/W
40%	60W	2	70	9400lm	157 lm/W	10300lm	172 lm/W	9700lm	162 lm/W
		3	70	9400lm	157 lm/W	10300lm	172 lm/W	9700lm	162 lm/W
		4	70	9400lm	157 lm/W	10300lm	172 lm/W	9700lm	162 lm/W
		5	70	9600lm	160 lm/W	10500lm	175 lm/W	10000lm	167 lm/W

ARI 180W									
SETTING	SYSTEM WATTS	DIST.TYPE	CRI	3000K		4000K		5000K	
				LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	180W	2	70	24800lm	138 lm/W	27000lm	150 lm/W	25200lm	140 lm/W
		3	70	24800lm	138 lm/W	27000lm	150 lm/W	25200lm	140 lm/W
		4	70	24800lm	138 lm/W	27000lm	150 lm/W	25200lm	140 lm/W
		5	70	25500lm	142 lm/W	28000lm	156 lm/W	26000lm	144 lm/W
80%	144W	2	70	20200lm	140 lm/W	22000lm	153 lm/W	20600lm	143 lm/W
		3	70	20200lm	140 lm/W	22000lm	153 lm/W	20600lm	143 lm/W
		4	70	20200lm	140 lm/W	22000lm	153 lm/W	20600lm	143 lm/W
		5	70	20800lm	144 lm/W	22800lm	158 lm/W	21000lm	146 lm/W
60%	108W	2	70	15300lm	142 lm/W	16800lm	156 lm/W	15700lm	145 lm/W
		3	70	15300lm	142 lm/W	16800lm	156 lm/W	15700lm	145 lm/W
		4	70	15300lm	142 lm/W	16800lm	156 lm/W	15700lm	145 lm/W
		5	70	15800lm	146 lm/W	17300lm	160 lm/W	16200lm	150 lm/W
40%	72W	2	70	10500lm	146 lm/W	11500lm	160 lm/W	10800lm	150 lm/W
		3	70	10500lm	146 lm/W	11500lm	160 lm/W	10800lm	150 lm/W
		4	70	10500lm	146 lm/W	11500lm	160 lm/W	10800lm	150 lm/W
		5	70	10800lm	150 lm/W	11800lm	164 lm/W	11000lm	153 lm/W

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ARI 250W									
SETTING	SYSTEM WATTS	DIST.TYPE	CRI	3000K		4000K		5000K	
				LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	250W	2	70	33500lm	134 lm/W	37000lm	148 lm/W	34500lm	138 lm/W
		3	70	33500lm	134 lm/W	37000lm	148 lm/W	34500lm	138 lm/W
		4	70	33500lm	134 lm/W	37000lm	148 lm/W	34500lm	138 lm/W
		5	70	34500lm	138 lm/W	38000lm	152 lm/W	35500lm	142 lm/W
80%	200W	2	70	27500lm	138 lm/W	30400lm	152 lm/W	28400lm	142 lm/W
		3	70	27500lm	138 lm/W	30400lm	152 lm/W	28400lm	142 lm/W
		4	70	27500lm	138 lm/W	30400lm	152 lm/W	28400lm	142 lm/W
		5	70	28000lm	140 lm/W	31000lm	155 lm/W	28800lm	144 lm/W
60%	150W	2	70	21300lm	142 lm/W	23200lm	155 lm/W	21800lm	145 lm/W
		3	70	21300lm	142 lm/W	23200lm	155 lm/W	21800lm	145 lm/W
		4	70	21300lm	142 lm/W	23200lm	155 lm/W	21800lm	145 lm/W
		5	70	21800lm	145 lm/W	23800lm	159 lm/W	22500lm	150 lm/W
40%	100W	2	70	14500lm	145 lm/W	16000lm	160 lm/W	14800lm	148 lm/W
		3	70	14500lm	145 lm/W	16000lm	160 lm/W	14800lm	148 lm/W
		4	70	14500lm	145 lm/W	16000lm	160 lm/W	14800lm	148 lm/W
		5	70	15000lm	150 lm/W	16500lm	165 lm/W	15500lm	155 lm/W

ARI 300W									
SETTING	SYSTEM WATTS	DIST.TYPE	CRI	3000K		4000K		5000K	
				LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	300W	2	70	41000lm	137 lm/W	45000lm	150 lm/W	42000lm	140 lm/W
		3	70	41000lm	137 lm/W	45000lm	150 lm/W	42000lm	140 lm/W
		4	70	41000lm	137 lm/W	45000lm	150 lm/W	42000lm	140 lm/W
		5	70	42500lm	142 lm/W	46000lm	153 lm/W	43500lm	145 lm/W
80%	240W	2	70	33600lm	140 lm/W	37000lm	154 lm/W	34500lm	144 lm/W
		3	70	33600lm	140 lm/W	37000lm	154 lm/W	34500lm	144 lm/W
		4	70	33600lm	140 lm/W	37000lm	154 lm/W	34500lm	144 lm/W
		5	70	34500lm	144 lm/W	38000lm	158 lm/W	35500lm	148 lm/W
60%	180W	2	70	26000lm	144 lm/W	28600lm	159 lm/W	26600lm	148 lm/W
		3	70	26000lm	144 lm/W	28600lm	159 lm/W	26600lm	148 lm/W
		4	70	26000lm	144 lm/W	28600lm	159 lm/W	26600lm	148 lm/W
		5	70	26600lm	148 lm/W	29700lm	165 lm/W	27500lm	153 lm/W
40%	120W	2	70	18000lm	150 lm/W	20000lm	167 lm/W	18500lm	154 lm/W
		3	70	18000lm	150 lm/W	20000lm	167 lm/W	18500lm	154 lm/W
		4	70	18000lm	150 lm/W	20000lm	167 lm/W	18500lm	154 lm/W
		5	70	18500lm	154 lm/W	20800lm	173 lm/W	19000lm	158 lm/W

ARI 400W							
SETTING	SYSTEM WATTS	DIST.TYPE	CRI	4000K		5000K	
				LUMENS	LPW	LUMENS	LPW
LV1	400W	2	70	60500lm	151 lm/W	60000lm	150 lm/W
		3	70	60500lm	151 lm/W	60000lm	150 lm/W
		4	70	60500lm	151 lm/W	60000lm	150 lm/W
		5	70	61000lm	153 lm/W	60800lm	152 lm/W
LV2	360W	2	70	56000lm	156 lm/W	55000lm	153 lm/W
		3	70	56000lm	156 lm/W	55000lm	153 lm/W
		4	70	56000lm	156 lm/W	55000lm	153 lm/W
		5	70	56500lm	157 lm/W	55500lm	154 lm/W
LV3	320W	2	70	51000lm	159 lm/W	50000lm	156 lm/W
		3	70	51000lm	159 lm/W	50000lm	156 lm/W
		4	70	51000lm	159 lm/W	50000lm	156 lm/W
		5	70	51500lm	161 lm/W	50500lm	159 lm/W
LV4	300W	2	70	47000lm	162 lm/W	46000lm	159 lm/W
		3	70	47000lm	162 lm/W	46000lm	159 lm/W
		4	70	47000lm	162 lm/W	46000lm	159 lm/W
		5	70	47500lm	164 lm/W	46500lm	160 lm/W

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LUMINAIRE

BUG @5000K

SYSTEM WATTS	VOLTAGE	DIST.TYPE	B	U	G
100W	120-277V/347-480V	2	3	0	3
		3	3	0	3
		4	3	0	2
		5	4	0	2
140W	120-277V/347-480V	2	3	0	3
		3	3	0	3
		4	3	0	3
		5	4	0	2
180W	120-277V/347-480V	2	4	0	3
		3	3	0	3
		4	3	0	3
		5	4	0	2
250W	120-277V/347-480V	2	4	0	4
		3	4	0	4
		4	4	0	3
		5	5	0	3
300W	120-277V/347-480V	2	5	0	4
		3	4	0	4
		4	4	0	4
		5	5	0	4
400W	120-277V/347-480V	2	5	0	4
		3	5	0	5
		4	5	0	5
		5	5	0	4

ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	850	100	120	0.83
		100	208	0.48
		100	240	0.42
		100	277	0.36
	2520	100	347	0.29
		100	480	0.21
1	1200	140	120	1.17
		140	208	0.67
		140	240	0.58
		140	277	0.51
		140	347	0.40
		140	480	0.29
1	960	180	120	1.50
		180	208	0.87
		180	240	0.75
		180	277	0.65
		180	347	0.52
		180	480	0.38
1	1200	250	120	2.08
		250	208	1.20
		250	240	1.04
		250	277	0.90
		250	347	0.72
		250	480	0.52
1	1500	300	120	2.50
		300	208	1.44
		300	240	1.25
		300	277	1.08
		300	347	0.86
		300	480	0.63
1	1460	400	120	3.33
		400	208	1.92
		400	240	1.67
		400	277	1.44
		400	347	1.15
		400	480	0.83

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LUMINAIRE

MOUNTING

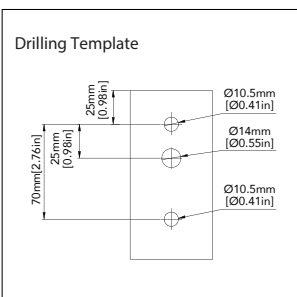
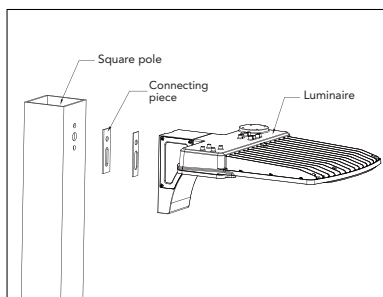
- Standard versatile mounting arm accommodates multiple drilling patterns as well as square and round poles
- Optional for cast aluminum slipfitter mounting adapter (Compatible with mounting adaptors such as Tenon, suits for various application)

Mounting Options



Arm Mount
(4" and 5" Square and Round poles)
Standard versatile mounting arm is simple to install and can be used with existing poles for retrofit installations.

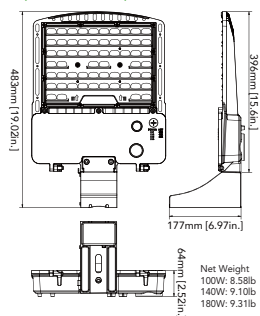
Mounting Dimensions



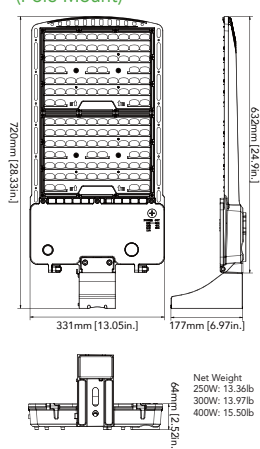
DIMENSION

unit: inch/mm

100W/140W/180W (Pole Mount)



250W/300W/400W (Pole Mount)



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LUMINAIRE

EPA OF AREA LIGHT

Item							
	1	2 @90°	2 @120°	2@180°	3 @90°	3 @120°	4 @90°
100W/140W/180W	0.3632	0.6849	0.8861	0.7264	1.0481	1.2078	1.0481
250W/300W/400W	0.4758	0.8091	1.059	0.9516	1.2849	1.3923	1.2849

PHOTOMETRICS

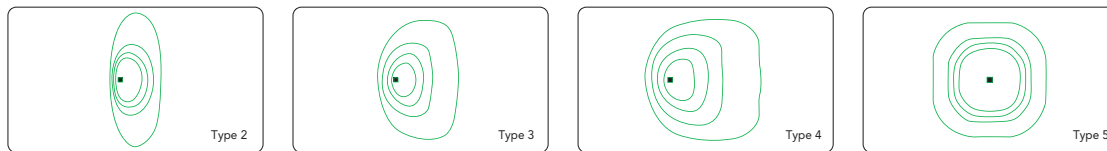
ARI 8 offers a complete set of optical systems to meet every site lighting requirement. These systems provide remarkable flexibility in precisely matching light distribution patterns to specific site requirements.

Type 2 optics are ideal for applications where there is a need to space the luminaires farther apart along a road or pathway. The light distribution pattern is optimized for elongated areas, allowing for greater pole spacing without sacrificing lighting quality.

Type 3 optics produce an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. In a back-to-back configuration, it creates a rectangular pattern which can extend pole spacings.

Type 4 is suitable for applications where light is primarily required forward with minimal backlight. Typical installations include perimeter poles.

Type 5 optics produce a symmetrical square distribution pattern that distributes light equally on all sides of the luminaire. Type 5 luminaires are universal for most area lighting applications



ACCESSORIES(Optional)

ARI 8 series features a backlight control which provides reduced pixilation and increased visual comfort without compromising performance. External Glare Shield: sold separately or as an accessory.

External Glare Shield		External Glare Full Visor	
Plug-and-Play PIR Sensor PIR sensor: ANT-6-4T Bluetooth PIR sensor: ANT-6-4T-BLE-SR	Plug-and-Play Microwave Sensor Microwave sensor: ANT-5-4T Bluetooth microwave sensor: ANT-5-4T-BLE-SR	120-277V PIR Sensor PIR sensor: BRI823-B-D Bluetooth PIR sensor: BRI823-B-D-BLE-SR	NEMA Photocell 3 pin NEMA Type: MS-PSUNVB1 3 pin NEMA Type(480V): JL-207F 7 pin NEMA Type: JL-241C
Back Light Control Shield			

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LUMINAIRE

ADDITIONAL MOUNTING ACCESSORIES

POLE BRACKET • For mounting one fixture on an existing pole			
	4\" Square Pole Mount with 2-3/8\" O.D. Tenon NO. 4SQ-SP-D Finish: Dark Bronze USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16\" hex head stainless-steel bolts. Vertical tenon measures 2-3/8\" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.		4\" Round Pole Mount with 2-3/8\" O.D. Tenon NO. 4QR-SP-D Finish: Dark Bronze USE: For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8\" hex head stainless-steel bolts. Vertical tenon measures 2-3/8\" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.
	5\" Square Pole Mount with 2-3/8\" O.D. Tenon NO. 5SQ-SP-D Finish: Dark Bronze USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16\" hex head stainless-steel bolts. Vertical tenon measures 2-3/8\" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.		5\" Round Pole Mount with 2-3/8\" O.D. Tenon NO. 5QR-SP-D Finish: Dark Bronze USE: For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8\" hex head stainless-steel bolts. Vertical tenon measures 2-3/8\" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.
	Pole Bracket Accessories - Angle-Adjustment Adapter NO. SQA-ALDA Finish: Dark Bronze USE: Durable brackets are engineered to provide versatile mounting options. These arms are made from rugged die-cast aluminum. They allow optimal positioning of the light fixture to maximize the lighting effectiveness vertically and horizontally.		Pole Bracket accessories-Tenon & Yoke Adaptor NO. SP-TR-D Finish: Dark Bronze USE: The 2-3/8\" OD Tenon Mount Adaptor for Yoke Fixtures is designed to mount light fixtures that are equipped with a yoke mount onto a 2-3/8\" OD tenon. It may be utilized with the Flood Light Series of light fixtures.
	Horizontal Wall or Square or Round pole mount with 2-3/8\" Tenon Bracket NO. SQ/R-SP-D Finish: Dark Bronze USE: This tenon bracket can be installed onto a wall, square pole, round pole. Provides wiring access and built-in 2-3/8\" O.D. tenon to mount a fixture with our adjustable slipfitter. Suggested 3/8\" diameter bolts for mounting.		
WALL BRACKET • Attaches to any flat surface • Provides wiring access		Mid-Pole tenon Bracket	
	90\" Wall Mount Bracket with 2-3/8\" O.D. Tenon NO. WM-SP-D Finish: Dark Bronze USE: The 90\" wall mount bracket with 2-3/8\" tenon attaches an floodlight to almost any surface: wall, roof, or wood pole. Provides wiring access and built-in 2-3/8\" O.D. tenon to mount a fixture with our adjustable slipfitter. Suggested 3/8\" diameter bolts for mounting. Mounting holes are spaced 3-1/4\" apart.		2-3/8\" OD Horizontal Tenon Mid-Pole Bracket NO. SQ-SP-D Finish: Dark Bronze USE: 2-3/8\" OD Horizontal Tenon Mid-Pole Bracket is designed to mount light fixture that is equipped with an adjustable slipfitter onto a 2-3/8\" OD horizontal tenon
Round External Mount Horizontal Tenon • To mount 2-3/4 fixtures on a existing pole			
	Double 90\" Horizontal Tenon Adaptor NO. R60-SP2-90-D Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8\" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally		Triple 120\" Horizontal Tenon Adaptor NO. R60-SP3-120-D Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8\" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally
	Double 180\" Horizontal Tenon Adaptor NO. R60-SP2-180-D Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8\" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally		Quad 90\" Horizontal Tenon Adaptor NO. R60-SP4-90-D Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8\" (60mm) O.D. vertical tenon. Four fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally
	Triple 90\" Horizontal Tenon Adaptor NO. R60-SP3-90-D Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8\" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally		

ARI EV

LUMINAIRE + EV CHARGER + POLE



EV CHARGER

EV charging station, 1 and 2 ports, up to 80A input and 19.2kW of charging capacity per port.



POWERFUL

2-ports with up to 80A and 19.2kW per port of charging capacity.



DURABLE

Type 3 and IK08 protection ratings allow for indoor or outdoor installation.



INTERACTIVE

4.5" LCD screen with intuitive and user friendly interface.



CONNECTED

Complete with LAN connectivity (Wi-Fi or 4G optional), ensuring chargers are always online.



OCPP ENABLED

OCPP 1.6J helps you connect the EV charger to the cloud.



FLEXIBLE

Cable management allows access to either side of the vehicle.

ZEVTRON CHARGING CONTROL & MANAGEMENT SOLUTIONS



- Turn-key EVSE back-office management
- Seamless integration with your existing business software
- Cost effective deployment and managed EVSE networks
- Easy to use and secure online access
- Designed and developed in America

ELECTRICAL

AC Power Input Rating	SAE Standard, AC Level 2, 240V: +/- 15% (208V/240V)					
Frequency	60Hz					
AC Power Output Rating - Power Share	3.8kW-16A, 7.6kW-32A, 9.6kW-40A, 11.5-48A, 16.8-70A, 19.2-80A					
Required Service Panel Breaker Power Share	3.8kW	7.6kW	9.6kW	11.5kW	16.8kW	19.2kW
	20A	40A	50A	60A	90A	100A
Power Wiring	3 Wire - L1, L2 plus GROUND					
Connector type	SAE J1772 (TYPE 1)					
Connector Mechanical Operating Life	>10,000 times					

ETO - ENGINEERED TO ORDER OPTIONS

Customized branding available including colors and customer logo

*Contact factory for options



ENVIRONMENTAL

Storage Temperature	-40° to 75°C (-40° to 167°F) ambient
Operating Temperature	-30° to 50°C (-22° to 122°F) ambient
Operating Humidity	Up to 95% non-condensing
Cooling Method/Thermal	Natural Cooling/Firmware Software Interface using Zevtron Firmware
Electrical Enclosure	NEMA 250, Type 3R, 4/CCID 20/YES with epoxy powder coating

ARI EV

LUMINAIRE + EV CHARGER + POLE



EV CHARGER

ADDITIONAL SPECIFICATIONS

MECHANICAL	
Packaging Dimensions	19.6" x 13.7" x 12.4"
Product Dimensions	13.8" x 9.8" x 5.1"
Weight	16-22.5 lbs based on model
Charging Cable Length	5m/16ft or customize length
Enclosure material	Polycarbonate and ASA plastic



INTERFACE & CONTROL	
Charging Control	RFID Card w/Zevtron Management Software System w/full reporting
RFID Card Reader	CCID 20
Indicators	4 LED indicators-Power/Connect/Charging/Fault
External Communication	WAN, RS- 485 LAN (RJ-45) and Wi-Fi or 4G Network Cellular enabled
Display	4.5 in, LCD meets all requirements
OCPP Protocol Compliance	OCPP 1.6J
ADA-ABA	Compliant as installed per installation instructions
Metering	Non-revenue and revenue grade metering

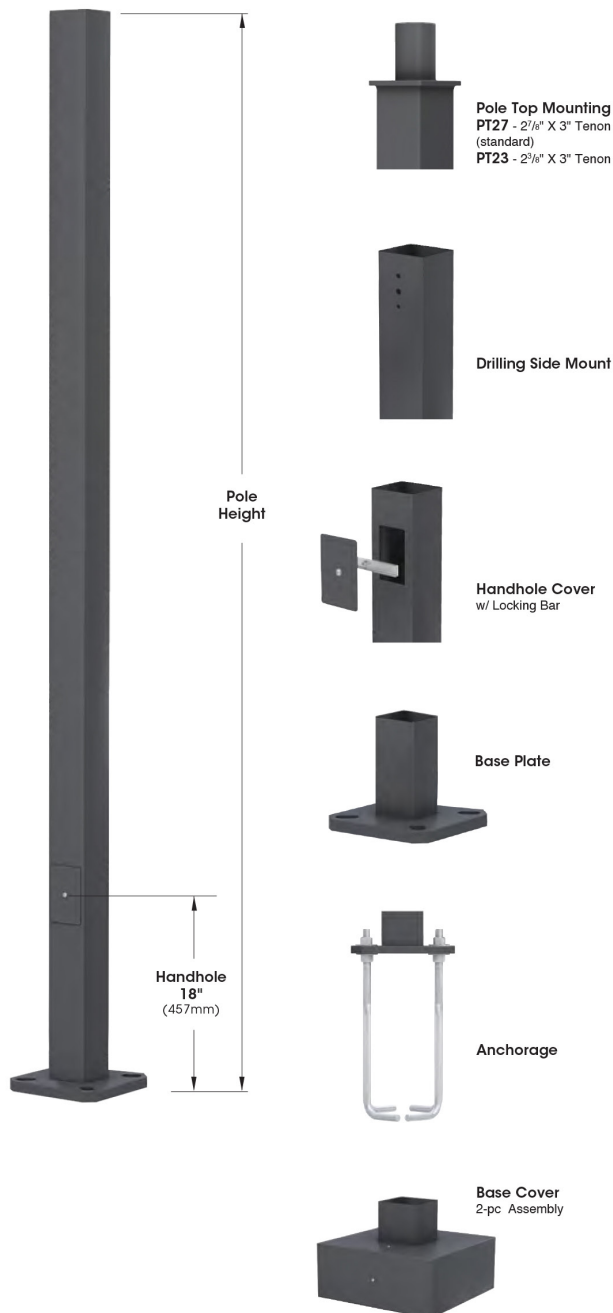
PROTECTION & STANDARDS	
Input protection	Integral GFCI and Auto-GFCI fault retry/ Surge protection of 6kV at 3000A
Over Voltage Protection	Yes
Overload Protection	Yes
Earth Leakage Protection	Yes
Over-temp Protection	Yes
Compliances	cETLus (Tested to UL Standards UL2594, UL2231-1 and UL2232 -2), ROHS, CE, REACH, TUV

ARI EV

LUMINAIRE + EV CHARGER + POLE



SQUARE STEEL POLE



Pole Construction

Shaft

Square pole fabricated from high-strength steel tubing in accordance with ASTM A501. Available in 11 GA (.120") or 7 GA (.180") wall thickness. Pole includes an internal ground lug located opposite the handhole.

Handhole

Reinforced 2 5/8" x 4 5/8" access opening with sealed aluminum handhole cover secured by a tamper-resistant stainless steel fastener.

Pole Top Mount

Standard PT27 pole top tenon (2-7/8" OD x 3") for luminaire mounting. Additional mounting configurations available.

Base Plate

Hot-rolled structural steel base plate welded to pole shaft. Slotted anchor bolt holes provide $\pm 1"$ adjustment during installation.

Anchorage

Supplied with four galvanized anchor bolts with nuts and washers.

Base Cover

Two-piece aluminum base cover conceals anchor bolts and base plate.

Finish

TGIC polyester powder coat finish applied over multi-stage surface preparation for corrosion resistance and durability.

Pole Height

Available in 10–20 ft mounting heights (see ordering information).

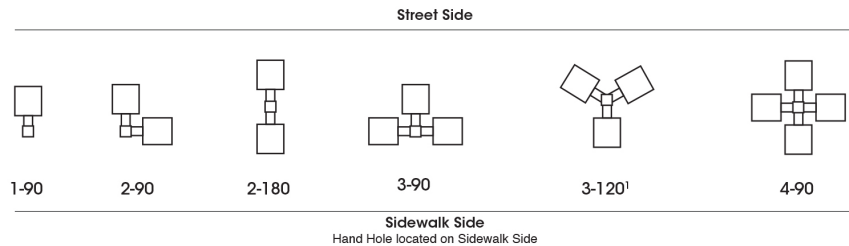
ARI EV

LUMINAIRE + EV CHARGER + POLE



SQUARE STEEL POLE

DRILLING SIDE MOUNT

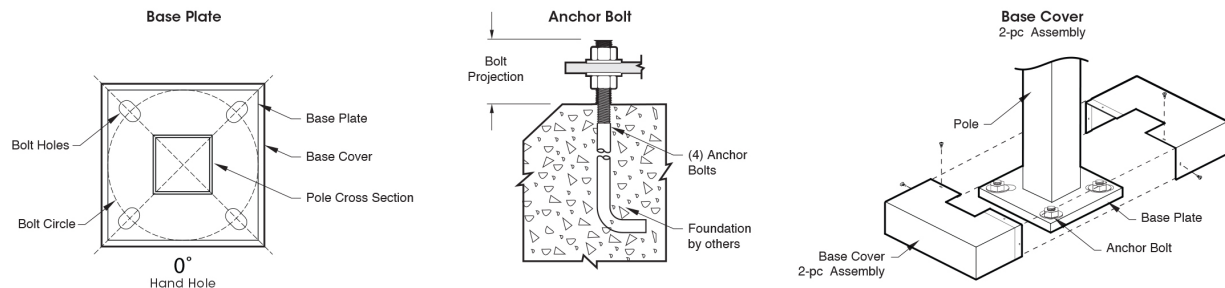


Notes

1- Requires PT27 and T3120 adapter. (adapter is rotatable)

[Drilling template must be provided by customer]

BOLT CIRCLE



Catalog Number	POLE								ANCHOR BOLTS				ANCHOR PLATE		
	Height		Bottom - Top				Wall Thickness (In/Ga)	Weight (Lbs)	Bolt Size	Bolt Projection above grade ^{2,3}	Bolt Circle Dia Range ¹	Bolt Circle Dia (In) (Rec.) ¹	Template	Base Plate	Cover
	Ft	M	In	Cm											
BF-SNTS 104 - 11	10	3.05	4.00	4.00	10.16	10.16	11	86	¾" x 18" x 3"	¾" - ¾"	8" - 11"	9"	BF9	¾" x 10" x 10"	5" x 12" x 12"
BF-SNTS 124 - 11	12	3.66	4.00	4.00	10.16	10.16	11	99	¾" x 18" x 3"	¾" - ¾"	8" - 11"	9"	BF9	¾" x 10" x 10"	5" x 12" x 12"
BF-SNTS 144 - 11	14	4.27	4.00	4.00	10.16	10.16	11	112	¾" x 18" x 3"	¾" - ¾"	8" - 11"	9"	BF9	¾" x 10" x 10"	5" x 12" x 12"
BF-SNTS 154 - 11	15	4.57	4.00	4.00	10.16	10.16	11	118	¾" x 18" x 3"	¾" - ¾"	8" - 11"	9"	BF9	¾" x 10" x 10"	5" x 12" x 12"
BF-SNTS 164 - 11	16	4.88	4.00	4.00	10.16	10.16	11	124	¾" x 18" x 3"	¾" - ¾"	8" - 11"	9"	BF9	¾" x 10" x 10"	5" x 12" x 12"
BF-SNTS 184 - 11	18	5.49	4.00	4.00	10.16	10.16	11	137	¾" x 18" x 3"	¾" - ¾"	8" - 11"	9"	BF9	¾" x 10" x 10"	5" x 12" x 12"
BF-SNTS 204 - 11	20	6.10	4.00	4.00	10.16	10.16	11	150	¾" x 24" x 3"	¾" - ¾"	8" - 11"	10"	BF10	¾" x 10" x 10"	5" x 12" x 12"

1 - Not using correct bolt size or "(REC.) Recommended" Bolt Circle could result in Pole's failure.

2 - Bolt Projection is calculated for slopes with 3 degrees or less.

3 - For slopes greater than 3 degrees, please add Bolt Length Projection as necessary.

ACCESSORIES



GFI
Duplex GFI
w/ Cover



GFI-U
Duplex GFI
w/ In-Use Cover



T3120
3 Way Adapter
[Drilling template must be provided by customer]



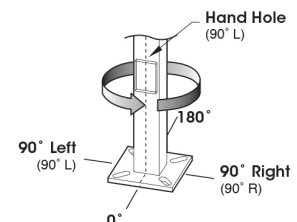
CPLN
½", ¾", 1¼", 1½",
or 2" Coupling



NPLE
½", ¾", 1¼", 1½",
or 2" Nipple

Location Diagram

Please use this diagram to indicate placement location

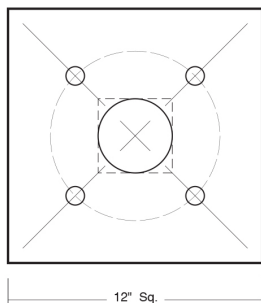


Refer to the Accessories Section for other options

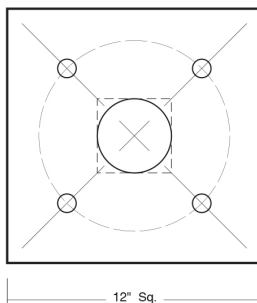
SQUARE STEEL POLE

ANCHOR BOLT TEMPLATES

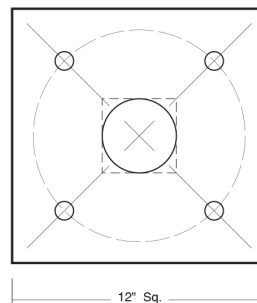
BF8
8" Bolt Circle



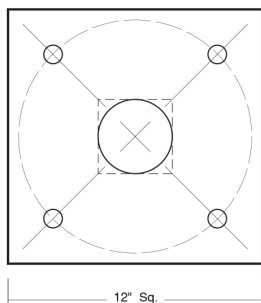
BF9
9" Bolt Circle



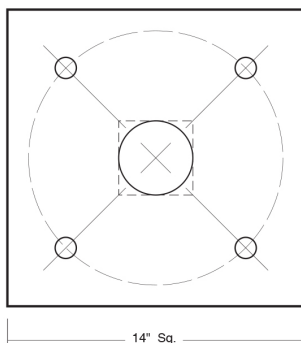
BF10
10" Bolt Circle



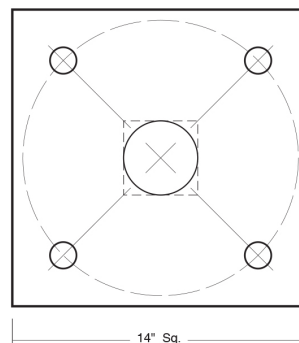
BF11
11" Bolt Circle



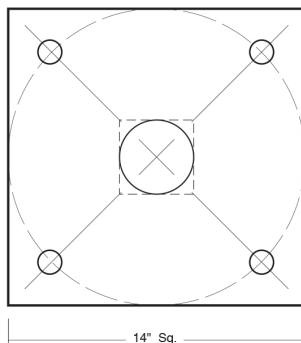
BF12
12" Bolt Circle



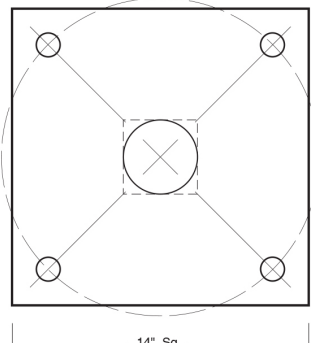
BF13
13" Bolt Circle



BF14
14" Bolt Circle



BF15
15" Bolt Circle



BF16
16" Bolt Circle

