

DESCRIPTION

The PK Series is an RxA LED area luminaire and pole kit. RxA features a sleek low-profile housing design in lumen packages ranging from 9600 lumens to 41,000 lumens. Its high-efficiency light engine is designed for optimal light control and illumination with three distribution types in three physical sizes. The RxA family provides substantial energy savings with minimal to no uplight and efficacies up to 139 LPW. The RxA ships standard with a 7" upswept arm, and is designed for ease of installation on included poles. This product is ideal for large areas such as parking lots, walkways, roadways, etc.

RxA SPECIFICATIONS

Construction:

- Sleek die-cast aluminum housing with stainless steel hardware and powder coated bronze (standard) finish for durability
- UV-stabilized polycarbonate optical lens
- Integral heat sink fins maximize heat dissipation
- Hinged driver access for ease of maintenance
- Standard with 7" straight arm
- Includes a 12" whip (5 conductors provided for convenience, dimming leads not connected)

Optics/LEDs:

- Designed with minimal uplight to eliminate light pollution
- 70 to 300 Watts replace up to 750 Watts HID for up to 70% energy savings
- Efficacies up to 139 LPW maximize energy savings and utility rebates
- Type III, IV and V distributions optimize light distribution
- Available in 3000K, 4000K and 5000K CCT
- L70 of 130,000 hours
- CRI ≥70

Electrical:

- Class 2 power supply, 120-277VAC, 50/60Hz
- 1-10V Dimming driver for models 150W+ (120-277VAC only), dimming leads require connection in field
- Power supply with high-power factor of 90% typical
- 347/480VAC Dedicated driver option for 70W, 150W, 200W and 300W
- Standard 10kVA surge protection for models ≥150W

Testing & Compliance: (See last page for RxA fixture details)

- cULus Listed for Wet Locations
- Tested to meet IP66 requirements
- DesignLights Consortium® (DLC) PREMIUM Qualified (consult QPL for qualified models)
- Operating temperature: -40°C to 45°C (-40°F to 113°F)

Installation:

- Hinged driver door for ease of access
- Standard with pole mount arm (7") suitable for 4" square poles. Arm features access door for easy wiring on site and includes knockouts for motion and photocontrol sensors

Options:

- Bluetooth enabled dimming occupancy sensor (Option: [LE](#)), PIR, 120/277VAC (integral)
- Integral 120-277VAC dimming sensor (SC) for models 150W+
- 120-277VAC Twist Lock receptacle installed on arm (Twist Lock photocontrol included)

Model: _____ Date: _____
 Accessories: _____
 Job Name: _____ Type: _____



RxA Specs at a Glance					
Model	RxA-70	RxA-100	RxA-150	RxA-200	RxA-300
Wattage*	70	100	150	200	300
Lumens (lm)	9600	13,800	20,800	25,700	41,000
Efficacy (LPW)	136	137	139	139	137
Equivalency (HID)	150/175W	250W	400W	400W	750W+
Distribution	Type III, IV, V				
CCT (K)	3000K, 4000K, 5000K				
CRI	>70				
Input Voltage	120-277VAC, 50/60Hz, 347/480VAC				
Operating Temp	-40°C to 45°C (-40°F to 113°F)				
Certifications	UL Listed for Wet Locations, DLC PREMIUM				
Warranty	5 Years				
Weight	8.9 lbs	9.4 lbs	12.4 lbs	12.9 lbs	18.7 lbs

* Nominal Wattage. Tested at 5000K CCT, 120-277VAC, Type III distribution. See performance table for more detailed lumen information.

Note: Environment and application will affect actual performance. Typical values and 25°C used for testing.

Accessories:

- Twist Lock universal photocontrol (120-277VAC) for dusk to dawn lighting control
- Dimming sensor for additional energy savings
- Button photocontrol (120-277VAC) for 70W and 100W models

Warranty:

- Five year warranty on RxA, 1 year warranty on poles (Terms and Conditions Apply)

POLE SPECIFICATIONS

Pole Shaft:

- 4.0" Square non-tapered steel pole
- One piece construction fabricated from a weldable grade carbon steel structural tubing which has a uniform wall thickness of 11 gauge (0.1196") in the PK20X and PK25X series and 7 gauge (0.1793") in the PK30X series
- Pole shaft material shall conform to ASTM A-500 Grade C with a minimum yield of 50,000 psi
- Shaft has a full length longitudinal resistance weld
- Uniformly square cross-section with flat sides, small corner radii and excellent torsional properties

Base Plate:

- Fabricated from structural quality hot rolled carbon steel plate that meets or exceeds a minimum yield strength of 36,000 psi
- Anchor base telescopes the pole shaft and is circumferentially welded top and bottom
- All welds performed in accordance with the American Welding Society specification AWS D1.1, latest edition

Hand Hole:

- An oval reinforced gasketed handhole, having a nominal 3" x 5" inside opening, located 1'-6" above base, is standard on all poles
- A grounding provision is located inside the handhold ring

Anchor Bolt:

- Fabricated from commercial quality hot rolled carbon steel bar that meets or exceeds a minimum yield strength of 55,000 psi
- Four properly sized anchor bolts, each with two regular hex nuts and washers, are furnished and shipped with all poles unless otherwise specified
- Anchor bolts shall have the threaded end galvanized a minimum of 8" in accordance with ASTM A-153
- Anchor bolts and template shipped with pole - Note on PO if needs to ship early

Ordering Information (Example: PK252-200-3-VS-4K-BR)

Series ¹	Wattage, Size	Distribution	Input Voltage	CCT	Finish ⁴
PK201 = 20' Pole, 1 Head	70 = 70W, Small	3 = Type III	HVS ^{2,3} = 347/480VAC	3K = 3000K	BL = Black
PK202 = 20' Pole, 2 Head	100 = 100W, Small	4 = Type IV	VS = 120-277VAC	4K = 4000K	BR = Bronze
PK203 = 20' Pole, 3 Head	150 = 150W, Medium	5 = Type V		5K = 5000K	WH = White
PK204 = 20' Pole, 4 Head	200 = 200W, Medium				SV = Gray Aluminum
PK251 = 25' Pole, 1 Head	300 = 300W, Large				
PK252 = 25' Pole, 2 Head					
PK253 = 25' Pole, 3 Head					
PK254 = 25' Pole, 4 Head					
PK301 = 30' Pole, 1 Head					
PK302 = 30' Pole, 2 Head					
PK303 = 30' Pole, 3 Head					
PK304 = 30' Pole, 4 Head					
			Options		
			LE ⁵ - Bluetooth Enabled Dimming Occupancy Sensor, PIR, 120/277VAC (Integral)		
			SC ⁶ - Dimming Occupancy Sensor, PIR, 120/277VAC (Integral)		
			TLPC ⁷ - 120-277VAC Twist Lock Photocontrol and Receptacle (installed on arm)		
			LiteLogic Accessories⁸ (Field Installed)		
			PCU = 120-277VAC Button Photocontrol for 70W and 100W models		
			TL-MSSW = Dimming Sensor (120-277VAC)		
			TL-MSSW-REMOTE = Remote for Sensor		
			TLPR = 120-277VAC Twist Lock Photocontrol and Receptacle		
			TLPRH = 347-480VAC Twist Lock Photocontrol and Receptacle		
Notes					
¹ Fixture and pole shipped separately					
² NOT available for 100W model					
³ 200W Model with HVS is DLC standard qualified					
⁴ Consult factory for other finishes, longer lead times apply					
⁵ Not a UL Listed option					
⁶ Sensor mounted to the fixture, 70W and 100W models mounted to pole mount arm only					
⁷ Photocontrol mounts to receptacle installed on arm (arm and photocontrol installed in field)					
⁸ Order as separate line item - Shipped in separate box for final installation in the field					

Pole Specs at a Glance			
Nominal Height (ft.)	20.0	25.0	30.0
Base Diameter	4.0"	4.0"	4.0"
Gauge	11 GA	11 GA	7 GA
Handhole Size (in.)	3.0 x 5.0		
Anchor Bolt (in.)	0.75 x 17.0 x 3.0	0.75 x 17.0 x 3.0	0.75 x 30.0 x 3.0
Bolt Circle (in.)	8.0		
Max EPA (ft.2): 80 MPH	12	6	6
Max EPA (ft.2): 90 MPH	9	4	4
Max EPA (ft.2): 100 MPH	6	2	1
Weight	151 lbs	182 lbs	312 lbs
Warranty	1 Year		

Notes:

1. Please verify wind load ratings at project location to determine if EPA meets local code.
2. Barron Lighting Group is not responsible for pole foundation design.
3. Freight allowed on all orders exceeding (5) 20-foot poles, (4) 25-foot poles or (3) 30-foot poles.
4. Consult factory in areas where wind loading exceeds 100 mph.

Fixture Mounting:

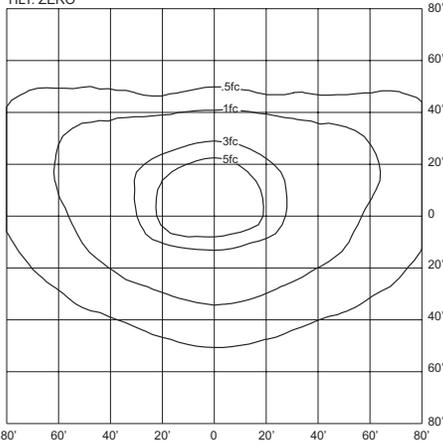
- All poles come pre-drilled and capped on all four sides to meet desired mounting

Finish:

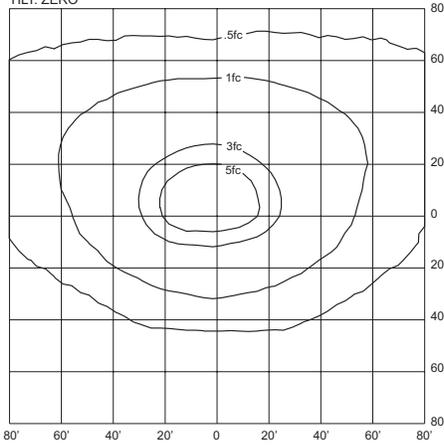
- Standard - All exterior metal surfaces are mechanically cleaned to remove all oxides and contaminants prior to coating
- Standard finish is a polyester thermosetting powder coating applied to the surface of the substrate to a minimum of 3 mils for all color finishes

Sample Photometry

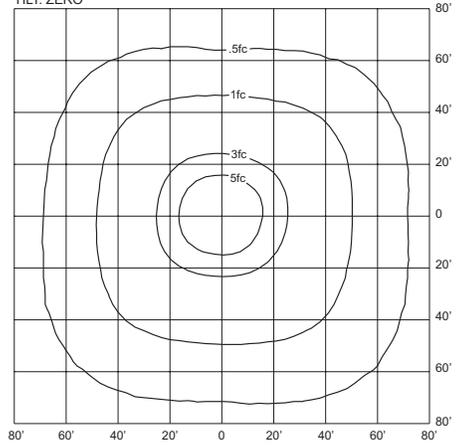
RxA-150-3-VS-4K
IES: TYPE III MEDIUM
MOUNTING HEIGHT: 20'
TILT: ZERO



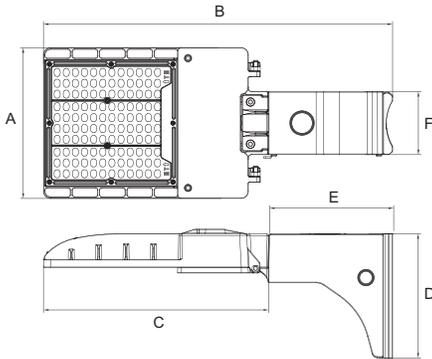
RxA-150-4-VS-4K
IES: TYPE IV MEDIUM
MOUNTING HEIGHT: 20'
TILT: ZERO



RxA-150-5-VS-4K
IES: TYPE V MEDIUM
MOUNTING HEIGHT: 20'
TILT: ZERO

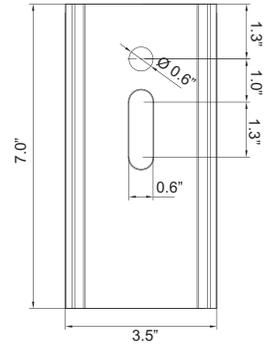


Dimensions



Wattage	70/100W	150/250W	300W
Light Bars	3	3	6
A	8.5"	12.3"	12.3"
B	19.6"	21.6"	30.3"
C	12.7"	15.2"	23.3"
D	7.0"	7.0"	7.0"
E	7.0"	7.0"	7.0"
F	3.6"	3.6"	3.6"

Drilling Template (Standard Mount)



Fixture EPA Values

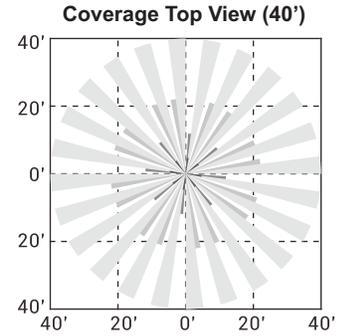
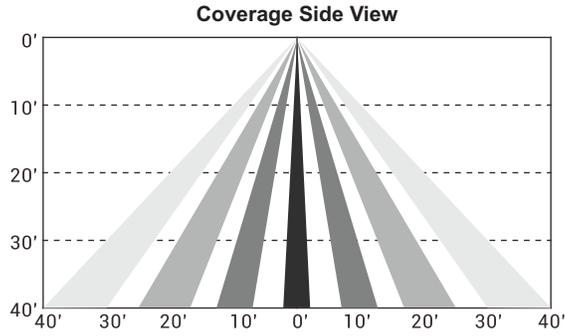
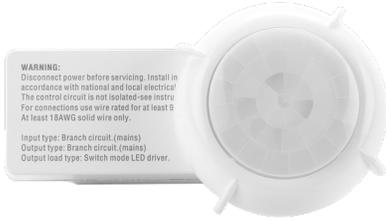
Model	1	2 @ 90°	2 @ 180°	3 @ 90°	4 @ 90°
70W/100W	0.3413	0.5929	0.6826	1.0239	1.0499
150W/200W	0.423	0.735	0.846	1.158	1.185
300W	0.4759	0.7889	0.9518	1.2648	1.3711

Pole EPA Values (See Page 2 for Additional Pole Information)

Pole Height (ft)	20	25	30
Max EPA (ft.2): 80 MPH	12	6	6
Max EPA (ft.2): 90 MPH	9	4	4
Max EPA (ft.2): 100 MPH	6	2	1

NOTE: Any pole accessories added in the field (such as banner or flag brackets) will affect published EPA values and may void factory warranties.

Sensor Details - Bluetooth Enabled (Option LE) [Click for sensor details](#)



SEE APP FOR SENSOR SETTINGS

For a complete list of LiteLogic compatible products, [click here](#).



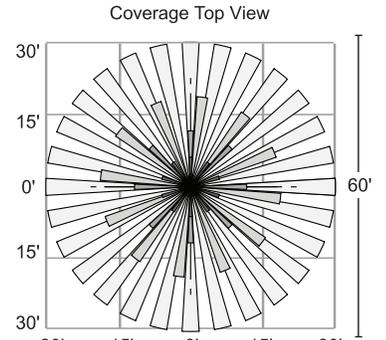
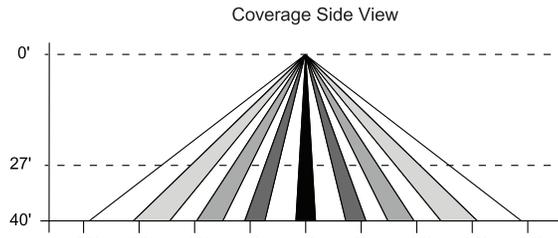
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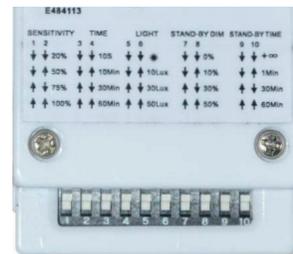


Sensor Details (Option SC and Accessory TL-MSSW-REMOTE)



Sensor Settings (TL-MSSW-REMOTE)

DETECTION RADIUS/ANGLE	MAX 60'/360°
MOUNTING HEIGHT	MAX 40'
REMOTE RANGE	MAX 33'
FREQUENCY	5.8 GHz
HIGH MODE	70%, 80%, 90%, 100% (DEFAULT 100%)
SENSITIVITY	20%, 50%, 75%, 100% (DEFAULT 100%)
HOLD TIME	10sec, 1min, 5min, 10min, 15min, 20min, 30min, 60min (DEFAULT 5min)
DAYLIGHT HARVESTING	☀️, (disabled), 10Lux, 30Lux, 50Lux, 100Lux, 150Lux, 200Lux, 300Lux (DEFAULT disabled)
STANDBY DIM SETTING	0, 10%, 20%, 30%, OFF (∞), (DEFAULT 30%)
STANDBY TIME SETTING (TO OFF)	ON (disabled), 1min, 30min, 60min (DEFAULT 30min)



Sensor Dip Switch Settings (Dip Switches on SC Sensor)



TL-MSSW-REMOTE Accessory (Sold Separately)

UL and DLC Nomenclature for Fixture Only (RxA fixture is UL Listed and Appears on the DesignLights Consortium® PREMIUM Qualified Product List)

Series	Wattage, Size	Distribution	Input Voltage	CCT	Finish ⁴	Mount
RxA	70 = 70W, Small	3 = Type III	HVS ^{1,2} = 347/480VAC	3K ³ = 3000K	BL = Black	A = 7" Arm
	100 = 100W, Small	4 = Type IV	VS = 120-277VAC	4K = 4000K	BR = Bronze	
	150 = 150W, Medium	5 = Type V		5K = 5000K	SV = Gray Aluminum	
	200 = 200W, Medium				WH = White	
	300 = 300W, Large					

Options	LiteLogic Accessories ⁸ (Field Installed)
<u>LE</u> ⁵ - Bluetooth Enabled Dimming Occupancy Sensor, PIR, 120/277VAC (Integral)	PCU = 120-277VAC Button Photocontrol for 70W and 100W models
SC ⁶ - Dimming Occupancy Sensor, PIR, 120/277VAC (Integral)	TL-MSSW = Dimming Sensor (120-277VAC)
TLPC ⁷ - 120-277VAC Twist Lock Photocontrol and Receptacle (installed on arm)	TL-MSSW-REMOTE = Remote for Sensor
	TLPR ⁷ = 120-277VAC Twist Lock Photocontrol and Receptacle
	TLPR ⁷ = 347-480VAC Twist Lock Photocontrol and Receptacle
	RxA-SFPC-BRKT-BR ¹³ = Twistlock Photocontrol Bracket for RxA-SF-XX, Bronze Finish
	RxA-SFPC-BRKT-SV ^{13,14} = Twistlock Photocontrol Bracket for RxA-SF-XX, Gray Alum Finish
Notes	Accessories⁸ (Field Installed)
¹ NOT available for 100W model	RxA-SF = Slip fitter Mount Bronze Finish
² 200W Model with HVS is DLC standard qualified	RxA-TR = Trunnion Mount Bronze Finish
³ International Dark Sky approved (Compliant only with fixed downlight mount)	RxA-WM = Wall Mount Bronze Finish
⁴ Consult factory for other finishes, longer lead times apply	RxA-SW-BR = Swivel Mount Bronze Finish
⁵ Not a UL Listed option	RxA-SF-XX ⁹ = Slip fitter Mount (XX = BL; Black, SV; Gray Alum, WH; White)
⁶ Sensor mounted to the fixture, 70W and 100W models mounted to pole mount arm only	RxA-TR-XX ¹⁰ = Trunnion Mount Bronze Finish (XX = BL; Black, SV; Gray Alum, WH; White)
⁷ Photocontrol mounts to receptacle installed on arm (arm and photocontrol installed in field)	RxA-WM-XX ¹⁰ = Wall Mount Bronze Finish (XX = BL; Black, SV; Gray Alum, WH; White)
⁸ Order as separate line item - Shipped in separate box for final installation in the field	RxA-S-HSS-BR ^{11,12} - House Side Shield, Small, Bronze Finish (70W, 100W)
⁹ Slip fitter will require RxA-SFPC-BRKT if ordering Twist Lock Photocontrol	RxA-M-HSS-BR ^{11,12} - House Side Shield, Medium, Bronze Finish (150W, 200W)
¹⁰ Consult factory for RxA-TR-BL and RxA-WM-BL, longer lead times apply	RxA-L-HSS-BR ^{11,12} - House Side Shield, Large, Bronze Finish (300W)
¹¹ Consult factory for lead times (Not required for Dark Sky approval)	
¹² House side shield must be ordered at the time of fixtures, consult factory for further details	
¹³ Slip fitter and photocontrol sold separately	
¹⁴ Longer lead times apply	