Rook X Bollard

PROJECT: **TYPE:**

Features

The Rook X Bollard family takes adjustable lighting to next level. Allowing multiple Rook X Adjustable accents to be secured to a sturdy bollard creates flexibility in putting light just where needed in any outdoor environment. Several standard mounting configurations from 1 to 4 fixtures are available with both versions of the Rook X adjustable fixtures. Various optical accessories, beam shaping films or a hexcell louver can configured at the time of order and can changed in the field if needed.

RKX-BL

Product Overview

Type:	Exterior Bollard Mounted System for Adjustable Accent
Wattage:	12W *(per fixture)*
Color Temp:	2700K, 3000K, 3500K, 4000K
CRI:	83 typ. or 90+ typ.
Dimming:	Integrated driver with 3 dimming protocols is standard *(TRIAC & ELV or 0-10V)*, 120-277V
Operating Temp:	-40°C to +40°C

Certifications

5 year limited warranty AMERLUX LED

POWDER COATED TOUGH™

Electrostatic sensitive device, observe precautions for handling

Fixture Summary

Application:
Bollard mounted exterior accent lighting for pathways and landscape.

Luminaire Construction:
- Machined aluminum housing and die-cast knuckle assembly
- IP66 sealed optical chamber and integral driver chamber
- Flush lens prevents puddles/water deposits in upward facing applications
- 180°+ adjustability in the knuckle
- Infinitely adjustable within the vertical aiming range using tapered locking mechanism.

Optics:
- 17°, 22°, 28°, 45°, 60°, 60x20, 90x60 90x60 beam spreads are available with secondary shaping lens

Electrical:
- Integral tri-dim driver
- Input voltage 120V-277V auto-sensing
- Drive current 300mA
- Power consumption 12W

Bollard Mounting:
The column attaches to either a base plate for concrete applications or a direct burial mounting system that is suitable for landscape applications.

Bollard Mounting:
Fixture threads onto fixed bollard couplings with supplied 1/2" threaded stainless steel nipple. Coupling and fixture include set screw to lock horizontal rotation in place.

Optical Accessories:
- Hexcell Louver

Requires AL *(Accessory mount lens):*
- Full Glare Shield
- Half Glare Shield
- Visor Shield

Finish:
Premium quality thermoset polyester powdercoat for a durable finish.

ETL listed, suitable for wet locations.

Rook X Bollard

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PROJECT:	TYPE:

Ordering Information - Bollard

_____ · _____ · _____

1 **2** **3**

1	Model
	RKX-BL-30 Rook X bollard, 30"
	RKX-BL-36 Rook X bollard, 36"
	RKX-BL-42 Rook X bollard, 42"

2	Fixture Qty & Orientation
	1F0 1 @ 0°
	2F90 2 @ 90°
	2F180 2 @ 180°
	3F90 3 @ 90°
	3F120 3 @ 120°
	4F90 4 @ 90°

3	Finsh	
	Standard Colors	Premium Colors
	ABZ architectural bronze	**SDS** stardust silver
	BLK smooth satin black	**TBK** textured black
		WHT white
	RAL or custom colors available, consult factory	

Ordering Information - Mounting *(required, ordered separately)*

_____

1

1	Model
	RKX-BL- ANC base plate with anchor bolts
	RKX-BL- DB direct burial mounting

2	Finsh	
	Standard Colors	Premium Colors
	ABZ architectural bronze	**SDS** stardust silver
	BLK smooth satin black	**TBK** textured black
		WHT white
	RAL or custom colors available, consult factory	

Ordering Information - Luminaire

Note: Luminaires are ordered individually and can be configured differently on the same bollard, if desired. Ensure that the total number of fixtures ordered equals the number of fixture locations specified on the bollard.

_____ · _____ · _____ · _____ · _____ · _____

1 **2** **3** **4** **5** **6**

1	Model
	RKX-AS side mount knuckle
	RKX-AR rear mount knuckle

2	Lens Type
	F flush lens
	A accessory mount lens

3	Beam Spread
	SP spot, 15°
	NF narrow flood, 22°
	MFL medium flood, 25°
	FL flood, 28°
	WF wide flood, 45°
	VWF very wide flood, 60°
	LS6020 linear spread, 60°x20°
	LS9060 linear spread, 90°x60°

4	Color Temp	
	83 CRI	90+ CRI
	27 2700K-83	**279** 2700K-90+
	30 3000K-83	**309** 3000K-90+
	35 3500K-83	**359** 3500K-90+
	40 4000K-83	**409** 4000K-90+

5	Finish	
	Standard Colors	Premium Colors
	ABZ architectural bronze	**SDS** stardust silver
	BLK smooth satin black	**TBK** textured black
		WHT white
	RAL or custom colors available, consult factory	

6	Optical Accessories
	HEX hexcell louver
	Requires Accessory mount lens *(A)*:
	FGS full glare shield
	HGS half glare shield
	VS visor shield

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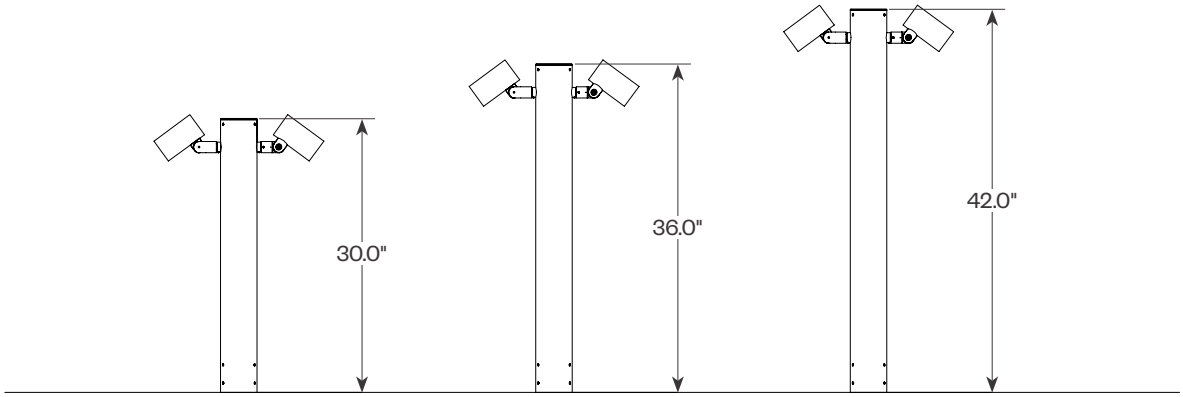
PROJECT:	TYPE:

Ordering Information for Additional or Replacement Optical Films

Luminaire Optics			Secondary Optic Information *(Films)*	
Optic	**Nominal Distribution**	**Description**	**Part # for Secondary Optics**	**Description**
SP	17°	Spot	NA	Standard Optic
NF	22°	Narrow Flood	665-0050-1	10° Optical Film
MfL	25°	Medium Flood	665-047-7	15° Optical Film
FL	28°	Flood	665-0051-1	20° Optical Film
WF	45°	Wide Flood	665-0052-1	30° Optical Film
VWF	60°	Very Wide Flood	665-0054-1	60° Optical Film
LS60x20	60°x20°	Asymmetric	665-0062-01	60°x20° Optical Film
LS90x60	90°x60°	Asymmetric	665-0063-04	90°x60° Optical Film
Multiple	Multiple	Kit with all options	301-14781	All above included
All	NA	Film Mounting Ring	607-0386	Mounting Ring for Film

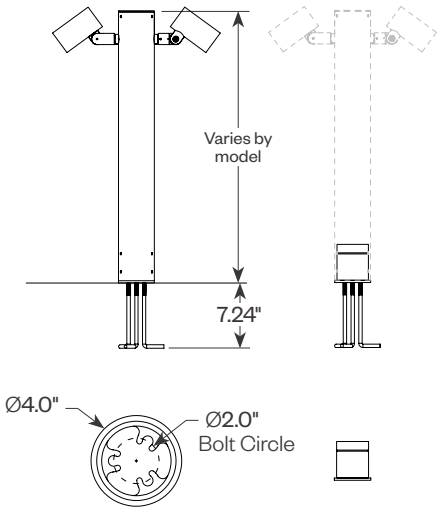
Part #'s above are used to order additional or replacement films. When specifying the original configuration the optic is already included.

Product Details - Bollard



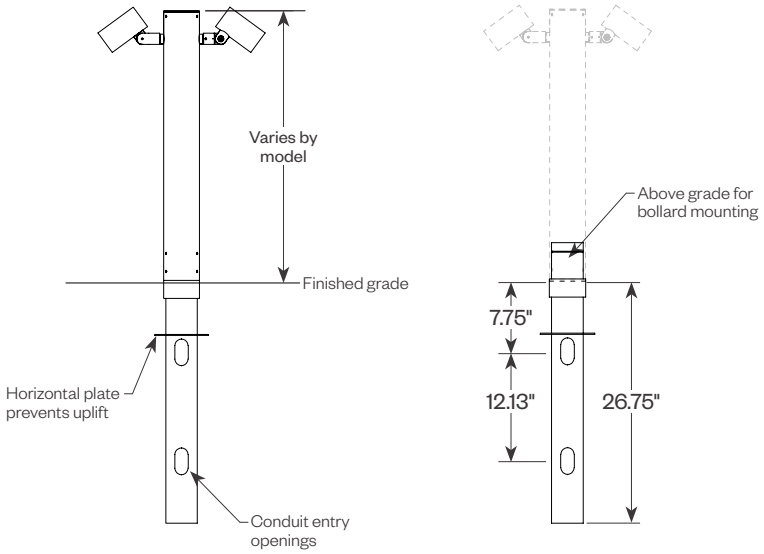
Product Details - Bollard Mounting Options

Anchor Base with bolts



(3) 3/8"-16"x8" galv. steel "L" shaped bolts
(6) 3/8"-16" nut, hex, stainless steel
(6) 3/8" 13/32" I.D. x 7/8" O.D., stainless steel washer

Direct Burial



Rook X Bollard

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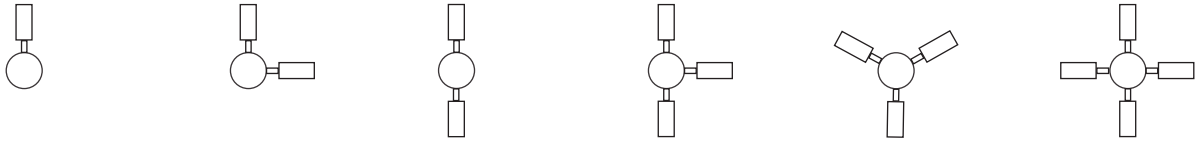
PROJECT:	TYPE:

Product Details - Fixture Qty and Orientation



1F0
1 @ 0°

2F90
2 @ 90°

2F180
2 @ 180°

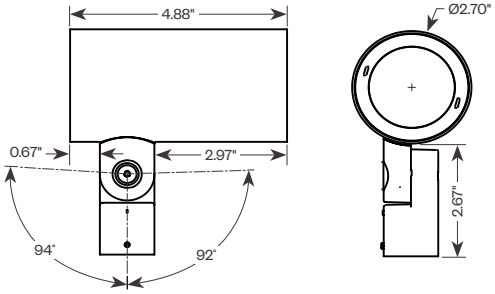
3F90
3 @ 90°

3F120
3 @ 120°

4F90
4 @ 90°

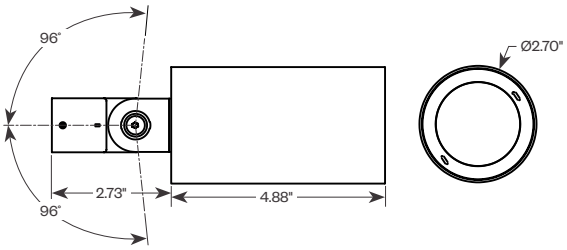
Product Details - Luminaire Types

Side Knuckle Mount ***(RKX-AS)***



RKX-AS *(side mount knuckle)*

Rear Knuckle Mount ***(RKX-AR)***



RKX-AR *(rear mount knuckle)*

Lens Type

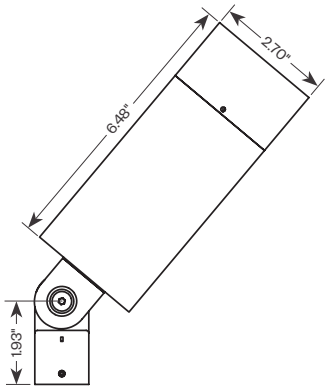
Flush Lens ***(F)***

Accessory Mount Lens ***(A)***

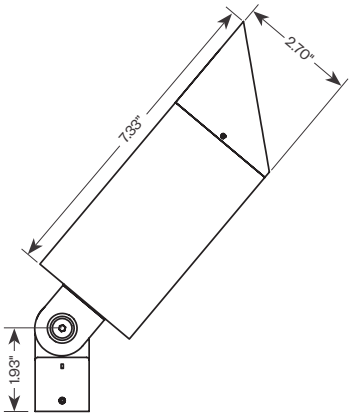
Rook X Bollard

PROJECT:	TYPE:

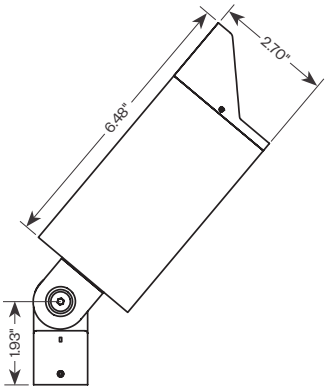
Optical Accessories



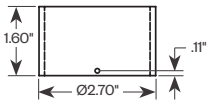
RKX-AR shown with FGS



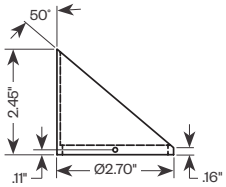
RKX-AR shown with HGS



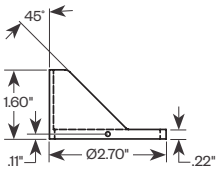
RKX-AR shown with VS



Full Glare Shield *(FGS)**

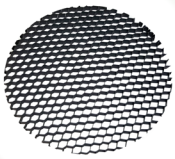


Half Glare Shield *(HGS)**



Visor Shield *(VS)**

*** Requires Accessory mount lens *(A)* option.**



Hexcell Louver *(HEX)*

(Available for either lens option)

Rook X Bollard

PROJECT:	TYPE:

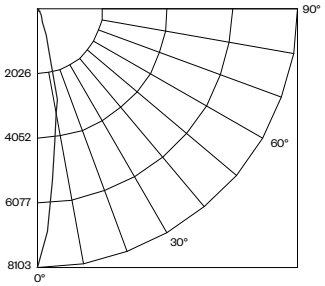
Performance Data

Multiplying Factors: *(Multiplying Factor is based on 3000K-83 120V IES file on website)*

CCT:	2700K-83	3000K-83	3500K-83	4000K-83	2700K-90+	3000K-90+	3500K-90+	4000K-90+
Factor:	0.96	1.0	1.02	1.04	0.80	0.83	0.87	0.90

Flush Lens

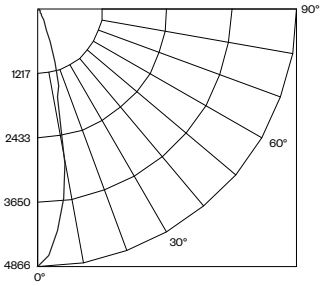
Spot (SP) Distribution, 17°
Lumens: 1093



Candelas

Deg	Candela
0	8103
5	5417
15	1328
25	136
35	53
45	31

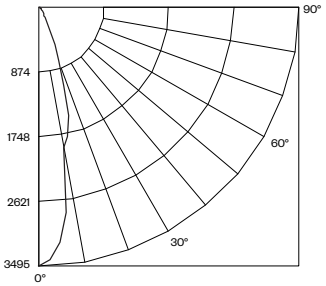
Narrow Flood (NF) Distribution, 22°
Lumens: 1026



Candelas

Deg	Candela
0	4866
5	4199
15	1502
25	242
35	70
45	35

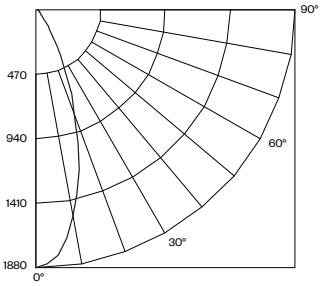
Flood (FL) Distribution, 28°
Lumens: 967



Candelas

Deg	Candela
0	3495
5	3190
15	1525
25	326
35	73
45	28

Wide Flood (WF) Distribution, 45°
Lumens: 986



Candelas

Deg	Candela
0	1880
5	1795
15	1211
25	515
35	147
45	50

Beam Spread	SP	NF	MFL	FL	WF	VWF	LS9060	LS6020
Description	Spot	Narrow Flood	Medium Flood	Flood	Wide Flood	Very Wide Flood	Asymmetric Linear Spread	Asymmetric Linear Spread
Nominal Degree	15	22	25	28	45	60	90x60	60x20
Lumens	**1093**	**1026**	**972**	**967**	**986**	**944**	**907**	**779**

Data shown for 3000K, 80 CRI. For other CCT and CRI options see pg 6.

Performance Data with Optional Shielding

Beam Spread	Accessory	Lumens	Note:
FL	w/o Shielding	962	Performance with shields varies greatly based on beam type. Consult factory for IES files with other beam types.
FL	w/FGS	868	
FL	w/HGS	896	
FL	w/VS	931	

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Amerlux reserves the right to change details that do not affect overall function and performance.

Rook X Bollard

PROJECT:	TYPE:

Dimming Compatibility

Amerlux® Rook® fixtures are compatible with all major dimming protocols prevalent in the United States. Please see below for general compatibilities and wiring diagrams. Amerlux recommends testing your unique dimming configuration as the exact full configuration *(Dimmer, Fixture Quantity, Voltage, etc)* may affect dimming performance.

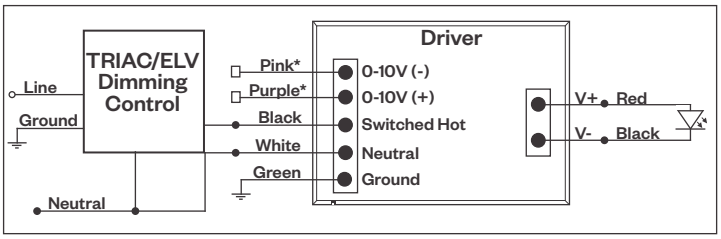
--- NOTE: INFORMATION BELOW IS FOR WIRED DIMMERS ONLY. FOR WIRELESS DIMMERS, CONSULT FACTORY ---

TRIAC (Forward Phase) DIMMING (Standard) or ELV - Electronic Low Voltage (Reverse Phase) DIMMING (Standard)

Notes:

- TRIAC/ELV dimming at 120V only (dimming to 1%)
- Consult Dimming manufacturer for installation instructions - DO NOT SHARE NEUTRALS!
- Must meet dimmer Minimum Load Requirements per dimming manufacturer

TRIAC or ELV Wiring Diagram



*** Pink & Purple wires are not used for TRIAC/ELV dimmer.**

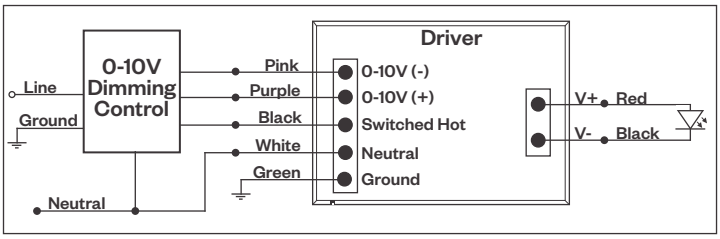
0-10V - DIMMING (-0-10V Option)

Integrates into a variety of building management and daylighting controls

Notes:

- 0-10V diming at 120V or 277V* (dimming to 2%)
- Requires interface to turn off power to driver
- Consult Dimming manufacturer for installation instructions - DO NOT SHARE NEUTRALS!

0-10V Wiring Diagram



Notes:

* Driver is 277VAC dimmable with appropriate dimmer *(by others)*. All provided wiring diagrams show 120VAC wiring colors and method. Please refer to 277VAC dimmer installation instructions for 277VAC wiring diagrams.

† The absence of a dimmer from the lists above does not imply incompatibility. Please consult factory for compatibility inquiries.