

# Rook X

## Wall Mount Accent



**PROJECT:**

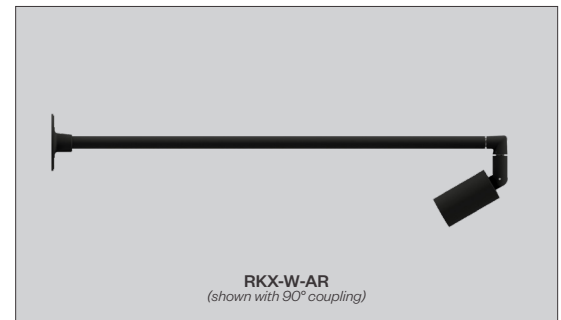
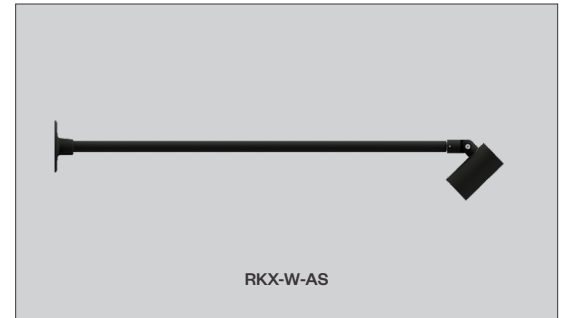
**TYPE:**

### Features

The Amerlux Rook X wall mount accent features a choice of arm lengths combined with a precision engineered, sealed luminaire to provide a small scale LED solution for sign or facade lighting. Offered in a choice of beam spreads, finishes, and color temperatures, the fixture also has available several shielding options for glare control.

### Product Overview

Type:	Exterior Wall Mounted Accent
Wattage:	12W
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



### Fixture Summary

#### Application:

Exterior wall-mounted accent and sign lighting.

#### Construction:

- Machined aluminum housing and die-cast knuckle assembly
- Arm includes a die-cast back plate and Schedule 40 aluminum tube
- IP66 sealed optical chamber and integral driver chamber
- 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

#### Fixture Mounting:

- 1/2" NPT internal threads on the adjustable knuckle. Supplied with 1/2" NPT to 1/2" NPSM externally threaded stainless steel nipple for mounting to Schedule 40 extension.

#### Wall Mounting:

- Die-cast wall plate attaches to standard 4-O wall box with (2) stainless machine screws
- Arm attaches to wall plate with (2) set screws to allow for rotation of the fixture

#### 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.**

PROJECT:

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## Ordering Information - Wall Mount Arm

1	2	3
1 Model	2 Arm Length	3 Finish
RKX-WM	18 18"	<u>Standard Colors</u>
	24 24"	ABZ architectural bronze
	36 36"	BLK smooth satin black
		<u>Premium Colors</u>
		SDS stardust silver
		TBK textured black
		WHT white
		<i>RAL or custom colors available, consult factory</i>

## Ordering Information - Luminaire

1	2	3	4	5	6
1 Model	2 Lens Type	3 Beam Spread	4 Color Temp	5 Finish	6 Optical Accessories
RKX-AS side mount knuckle	F flush lens	SP spot, 15°	83 CRI 90+ CRI	<u>Standard Colors</u> ABZ architectural bronze BLK smooth satin black <u>Premium Colors</u> SDS stardust silver TBK textured black WHT white <i>RAL or custom colors available, consult factory</i>	HEX hexcell louver <u>Requires Accessory mount lens (A):</u> FGS full glare shield HGS half glare shield VS visor shield
RKX-AR rear mount knuckle	A accessory mount lens	NF narrow flood, 22°	27 2700K-83 279 2700K-90+		
		MFL medium flood, 25°	30 3000K-83 309 3000K-90+		
		FL flood, 28°	35 3500K-83 359 3500K-90+		
		WF wide flood, 45°	40 4000K-83 409 4000K-90+		
		VWF very wide flood, 60°			
		LS6020 linear spread, 60°x20°			
		LS9060 linear spread, 90°x60°			

# Rook X

## Wall Mount Accent

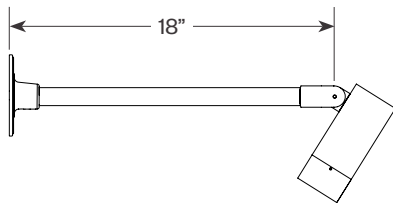
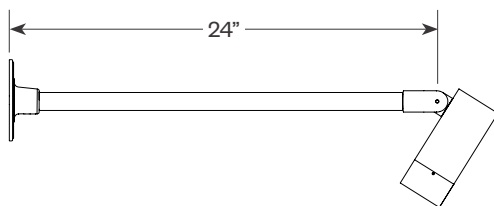
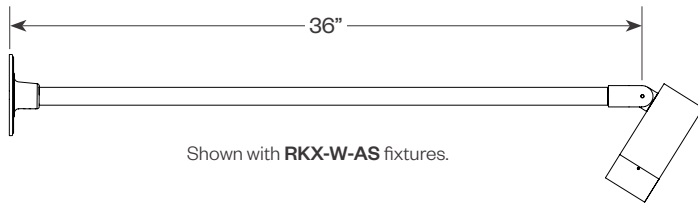


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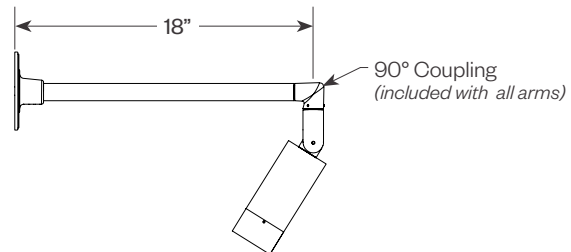
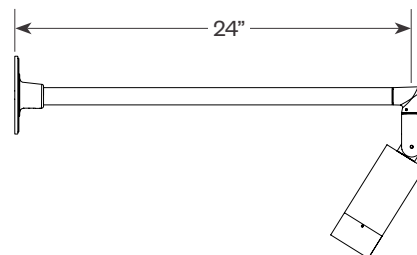
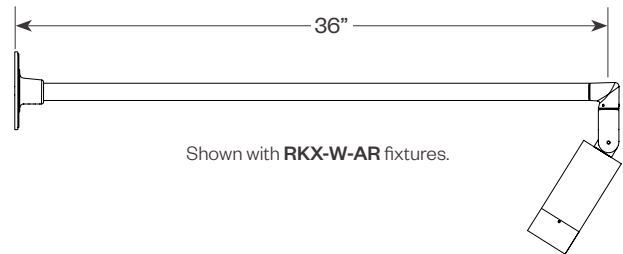
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### Product Details

#### Standard



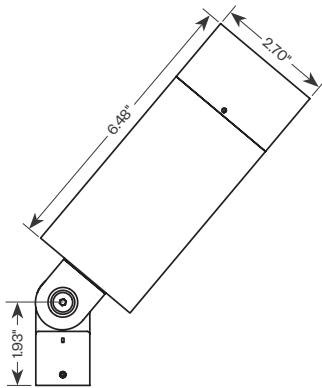
#### With 90° Coupling (included with all arms)



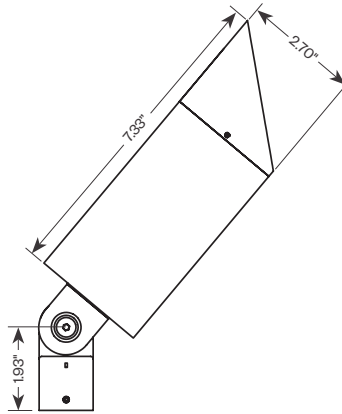
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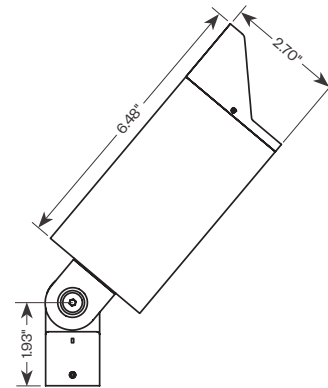
## Optical Accessories



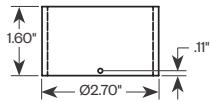
RKX-AR shown with FGS



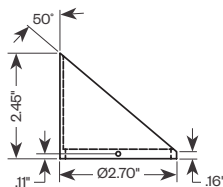
RKX-AR shown with HGS



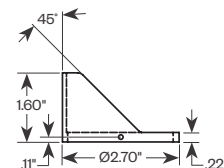
RKX-AR shown with VS



Full Glare Shield (FGS)\*

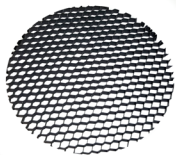


Half Glare Shield (HGS)\*



Visor Shield (VS)\*

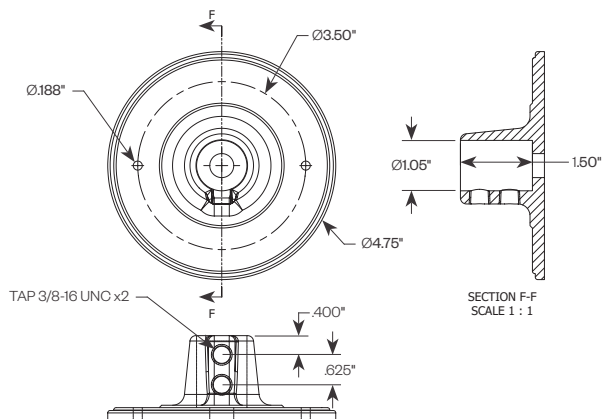
\* Requires Accessory mount lens (A) option.



Hexcell Louver (HEX)

(Available for either lens option)

## Wall Plate



PROJECT:

TYPE:

## Lens Type



Flush Lens (F)



Accessory Mount Lens (A)

## 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.

## Performance Data

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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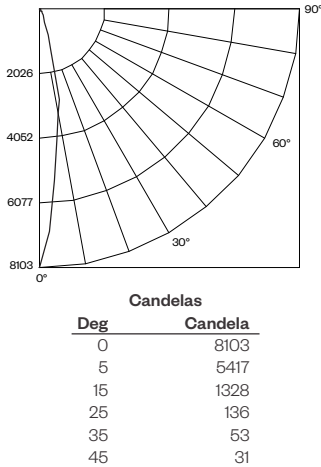
## Performance Data (continued)

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

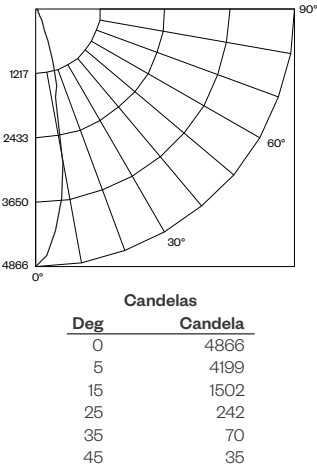
CCT:	2700K-83	3000K-83	3500K-83	4000K-83	2700K-90+	3000K-90+	3500K-90+	4000K-90+
Factor:	0.96	1.0	1.02	1.04	0.80	0.83	0.87	0.90

### Flush Lens

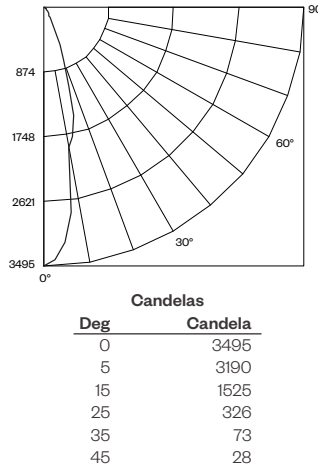
**Spot (SP) Distribution, 17°**  
Lumens: 1093



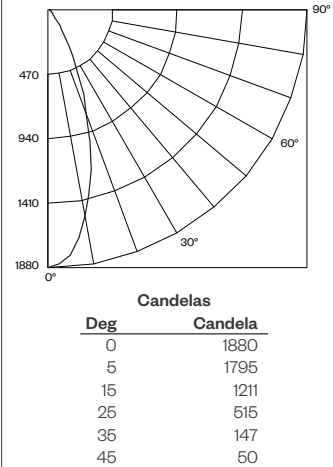
**Narrow Flood (NF) Distribution, 22°**  
Lumens: 1026



**Flood (FL) Distribution, 28°**  
Lumens: 967



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



## Application Data

### Notes and Definitions:

Beam spread is to 50% center beam candlepower (CBCP).

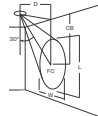
D=Distance to floor or wall.

FC=Footcandles on floor or wall at center beam aiming location.

L=Effective Visual Beam length in feet (50% of maximum footcandle level).

W=Effective Visual Beam width in feet (50% of maximum footcandle level).

CB=Distance across or down to center beam location.



	30° Aiming Angle Vertical Footcandles					60° Aiming Angle Vertical Footcandles				
	D	FC	L	W	CB	D	FC	L	W	CB
Spot	3.0'	116	3.2	1.8	5.0	3.0'	449	1.8	1.2	2.0
	4.0'	66	4.2	2.3	6.0	4.0'	277	1.8	1.4	2.0
	5.0'	43	5.2	2.6	8.0	5.0'	200	2.0	1.7	3.0
	6.0'	29	6.3	3.3	9.0	6.0'	125	2.9	2.2	3.0
Narrow Flood	3.0'	90	3.3	1.9	4.0	3.0'	294	1.8	1.4	2.0
	4.0'	50	4.4	2.5	5.0	4.0'	199	2.1	1.6	2.0
	5.0'	32	5.5	3.0	7.0	5.0'	122	2.6	2.3	3.0
	6.0'	23	6.5	3.8	8.0	6.0'	89	2.8	2.5	3.0
Flood	3.0'	70	3.5	2.2	4.0	3.0'	219	2.1	1.6	2.0
	4.0'	36	5.0	3.0	5.0	4.0'	149	2.3	1.9	2.0
	5.0'	24	5.9	3.5	7.0	5.0'	88	2.9	2.7	3.0
	6.0'	17	7.0	4.4	8.0	6.0'	66	3.3	2.9	3.0
Wide Flood	3.0'	47	3.7	2.8	3.0	3.0'	134	2.4	2.2	1.0
	4.0'	27	4.8	3.6	4.0	4.0'	82	3.0	2.9	2.0
	5.0'	17	6.0	4.4	5.0	5.0'	52	3.7	3.5	2.0
	6.0'	12	7.2	5.4	6.0	6.0'	37	4.4	4.2	3.0

PROJECT:

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## 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.

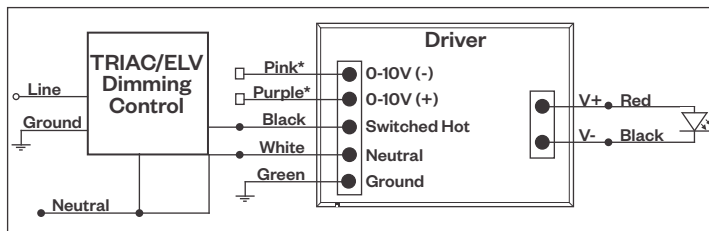
--- NOTE: INFORMATION BELOW IS FOR WIRED DIMMERS ONLY. FOR WIRELESS DIMMERS, CONSULT FACTORY ---

### 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.

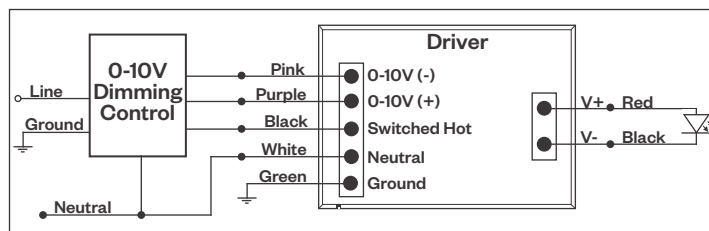
### 0-10V - DIMMING (-0-10V Option)

Integrates into a variety of building management and daylighting controls

#### Notes:

- 0-10V dimming 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.