

# Rook X

## 2" Exterior Wall Mounted Cylinder, Up/Down Light

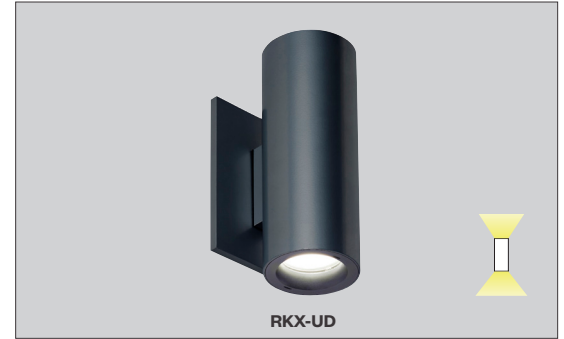


PROJECT:

TYPE:

### Features

The Rook X family of small scale architectural exterior cylinders includes wall mounted fixtures in either a dual output (*Up/Down*) light, or a single (*Up or Down*) configurations. An integral driver and a smooth, seamless body allow the fixture to fit in a wide variety of commercial, hospitality, retail and high end residential applications both Indoor or Outdoor in Wet Locations. Various optical accessories, beam shaping films or a hexcell louver can be changed or added in the field.



### Product Overview

Type: Round Wall Mount, Up/Down  
Wattage: 25W  
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  
Weight: 2.6 lbs

### Certifications



### Fixture Summary

#### Performance Data

Distribution	Spot 15°	Narrow Flood 22°	Flood 28°	Wide Flood 45°	Very Wide Flood 71°
Upward	1096	1040	1020	1012	866
Downward	1054	1001	980	974	833
<b>Total</b>	<b>2150</b>	<b>2041</b>	<b>2000</b>	<b>1986</b>	<b>1699</b>

Data shown for 3000K, 80 CRI. For other CCT and CRI options see pg 4.

#### Electrical Data

Voltage	System Watts	Amps
120V	25	0.20
277V	25	0.09

Electronic constant current LED driver.

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### Ordering Information

RKX-UD

1

2

3

4

5

1 Model	2 Finish	3 Beam Spread
RKX-UD (up/down, 25W)	<p><b>Standard Colors</b></p> <p><b>ABZ</b> architectural bronze</p> <p><b>BLK</b> smooth satin black</p> <p><b>Premium Colors</b></p> <p><b>SDS</b> stardust silver</p> <p><b>TBK</b> textured black</p> <p><b>WHT</b> white</p> <p><i>RAL or custom colors available, consult factory.</i></p>	<p><b>Up</b></p> <p><b>SP</b> spot, 15°</p> <p><b>NF</b> narrow flood, 22°</p> <p><b>MFL</b> medium flood, 25°</p> <p><b>FL</b> flood, 28°</p> <p><b>WF</b> wide flood, 45°</p> <p><b>VWF</b> very wide flood, 60°</p> <p><b>LS6020</b> linear spread, 60°x20°</p> <p><b>LS9060</b> linear spread, 90°x60°</p>
		<p><b>Down</b></p> <p><b>SP</b> spot, 15°</p> <p><b>NF</b> narrow flood, 22°</p> <p><b>MFL</b> medium flood, 25°</p> <p><b>FL</b> flood, 28°</p> <p><b>WF</b> wide flood, 45°</p> <p><b>VWF</b> very wide flood, 60°</p> <p><b>LS6020</b> linear spread, 60°x20°</p> <p><b>LS9060</b> linear spread, 90°x60°</p>
4 Color Temp	5 Optical Accessories	
<p><b>83 CRI</b>      <b>90+ CRI</b></p> <p><b>27</b> 2700K-83    <b>279</b> 2700K-90+</p> <p><b>30</b> 3000K-83    <b>309</b> 3000K-90+</p> <p><b>35</b> 3500K-83    <b>359</b> 3500K-90+</p> <p><b>40</b> 4000K-83    <b>409</b> 4000K-90+</p>	<p><b>HEX-U/D</b> hexcell louver in both upward &amp; downward light source</p> <p><b>HEX-U</b> hexcell louver in upward light source</p> <p><b>HEX-D</b> hexcell louver in downward light source</p>	

### Ordering Information - Additional or Replacement Optical Films

Luminaire Optics			Secondary Optic Information (Films)	
Optic	Nominal Distribution	Description	Part # for Secondary Optics	Description
<b>SP</b>	17°	Spot	NA	Standard Optic
<b>NF</b>	22°	Narrow Flood	665-0050-1	10° Optical Film
<b>MfL</b>	25°	Medium Flood	665-047-7	15° Optical Film
<b>FL</b>	28°	Flood	665-0051-1	20° Optical Film
<b>WF</b>	45°	Wide Flood	665-0052-1	30° Optical Film
<b>VWF</b>	60°	Very Wide Flood	665-0054-1	60° Optical Film
<b>LS60x20</b>	60°x20°	Asymmetric	665-0062-01	60°x20° Optical Film
<b>LS90x60</b>	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.

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### Specifications

#### Application

Commercial, hospitality, retail and high end residential exterior wall mounted fixtures

#### Construction

Extruded aluminum housing  
Die-cast neck and wall plate  
Extruded aluminum heat sink  
Machined aluminum bezel and top plate

#### Optical

Amerlux Designed TIR optical system

**Beam Spreads:** Spot 15°, Narrow Flood 22°, Medium Flood 25°, Flood 31°, Wide Flood 45°, Very Wide Flood 71°, Linear Spread Lens 60° x 20°, 90° x 60°

#### LED

Color Temp Options: 2700K, 3000K, 3500K, 4000K  
CRI: 83 typ. or 90+ typ.  
R9 Values: 11 (83 CRI), 55 (90+ CRI)  
Binning: 3 MacAdam (SDCM)  
Life: 50,000+ hrs, > 70% of initial lumens at 50,000 hrs

#### Electrical

Wattage: 25W

Electronic constant current LED driver, 120V-277V input

***This product complies with IEEE C62.41 for surge endurance up to 2.5KV. Amerlux® recommends using additional surge protection with this unit (supplied by others), surge and over voltage damage is not covered under warranty.***

#### Driver

Integrated driver with 3 built in dimming protocols is standard (TRIAC, ELV or 0-10V)

TRIAC / ELV dimming at 120V only (dimming to 1%)

0-10V dimming at 120V or 277V (dimming to 2%)

#### Finish

UV resistant polyester powder coat

#### Mounting

Stainless steel wall mounted bracket

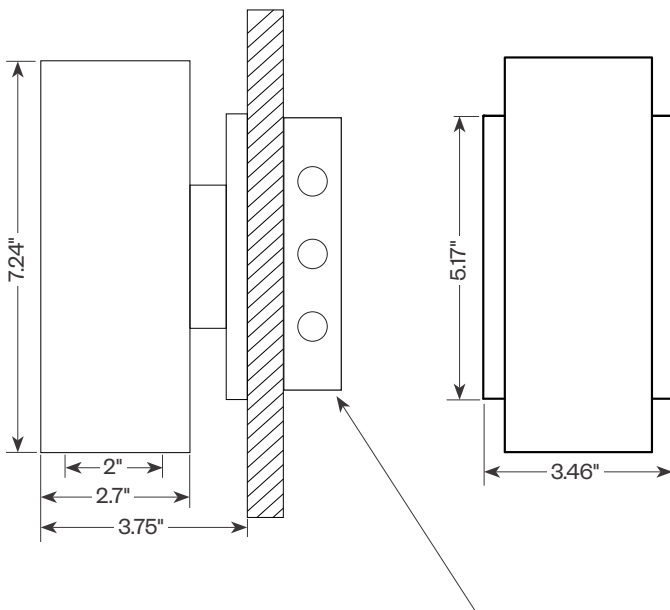
#### Certifications

CSA listed for wet location

#### Warranty

5 year limited warranty

### Product Details



**Note: Single gang electrical box required and supplied by others (weatherproof or standard single switch type). Check local codes for suitability.**

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PROJECT:

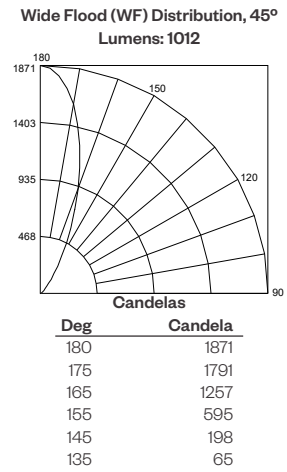
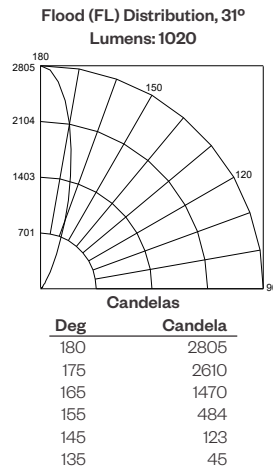
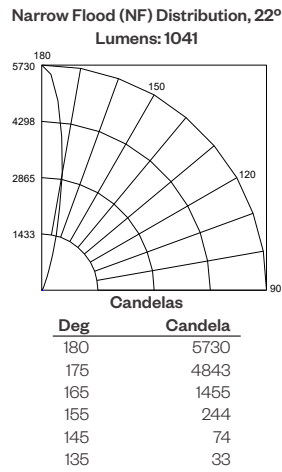
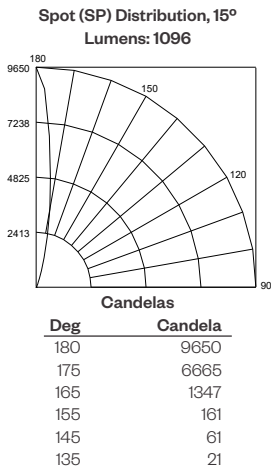
TYPE:

### Performance Data

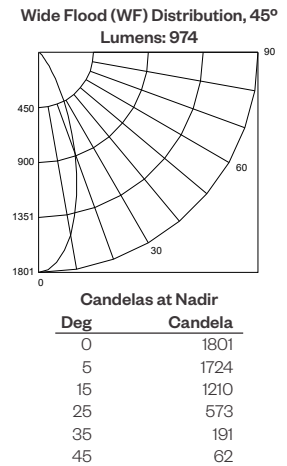
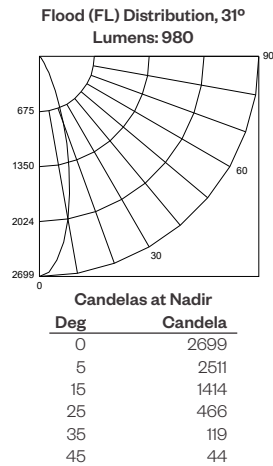
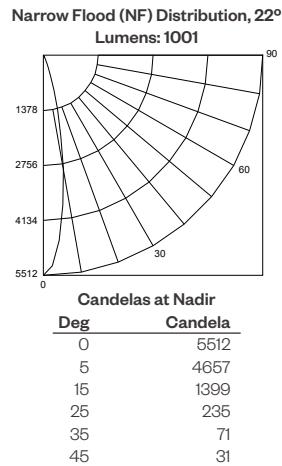
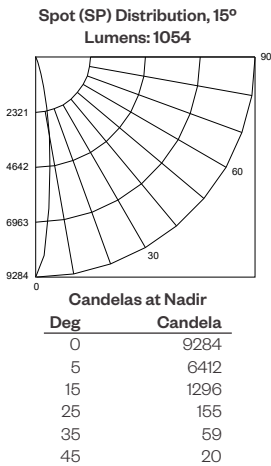
Multiplying Factors: (Multiplying Factor is based on 3000K-83 120V IES file on website)

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

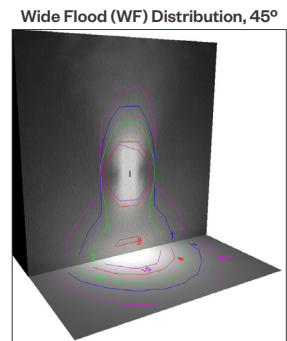
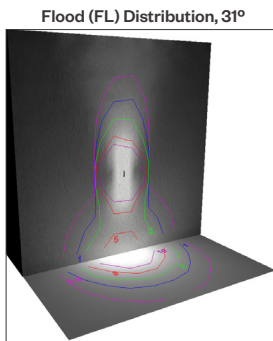
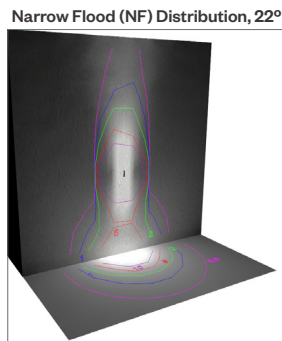
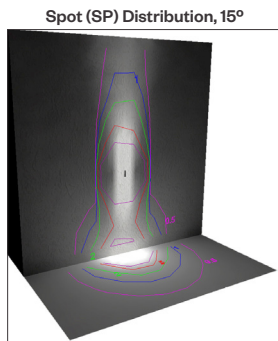
### Polar Plots for Up



### Polar Plots for Down



### Application Data



Isolume Legend	Illuminance (FC)
Color	Value
Blue	0.5
Green	1
Yellow	2
Orange	5
Red	10

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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.

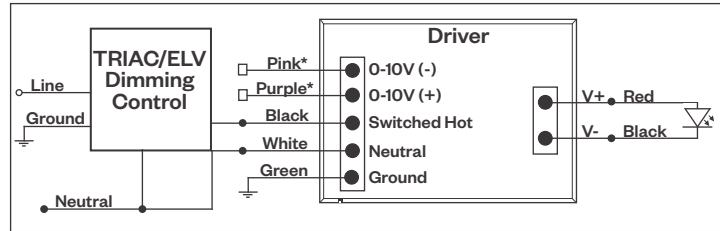
--- NOTE: INFORMATION BELOW IS FOR WIRED DIMMERS ONLY. FOR WIRELESS DIMMERS, CONSULT FACTORY ---

### 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.

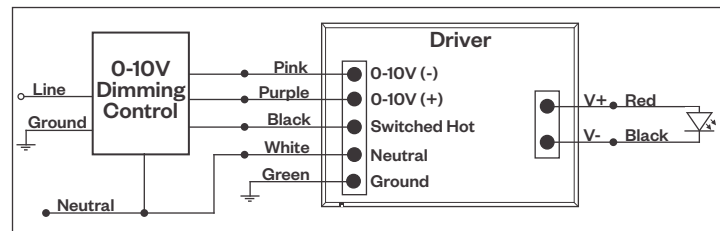
### 0-10V - DIMMING (-0-10V Option)

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.