

# Rook X

## 2" Pendant/Surface Mount



PROJECT:

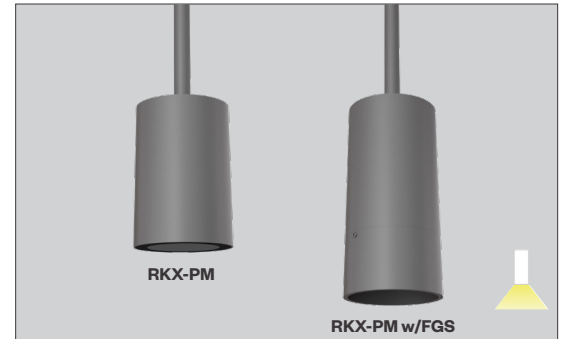
TYPE:

### Features

The Rook X Pendant is the ultimate, wet location cylinder lighting fixture, with integral drivers that allow for quick and easy installation. The Rook X offers single-point suspension, surface and maximizes a 2" aperture with several performance outputs and finishes. Various optical accessories, beam shaping films or a hexcell louver can be changed or added in the field.

### Product Overview

Type: Round Pendant/Surface, Direct  
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

#### Performance Data (with Flush Lens)

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.

#### Electrical Data

Voltage	System Watts	Amps
120V	12	0.10
277V	12	0.04

Electronic constant current LED driver.

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## Ordering Information

1	2	3	4	5	6	7	8
1 Model	2 Lens Type	3 Mounting	4 Suspension (pendant mount only, leave blank for -SM option)	5 Beam Spread	6 Color Temp	7 Finish	8 Optical Accessories
<b>RKX-PM</b> pendant mount <b>RKX-SM</b> surface mount	<b>F</b> flush lens <b>A</b> accessory mount lens	<b>C</b> canopy <b>CDC</b> conduit canopy <b>RC</b> reduced canopy	<b>Stem</b> (junction box mounting only, nominal overall length) <b>RS2</b> rigid stem, 2' <b>RS3</b> rigid stem, 3' <b>RS4</b> rigid stem, 4' <b>SS2*</b> swivel stem, 2' <b>SS3*</b> swivel stem, 3' <b>SS4*</b> swivel stem, 4' <i>* for use with C or RC mounting only</i>	<b>SP</b> spot, 15° <b>NF</b> narrow flood, 22° <b>MFL</b> medium flood, 25° <b>FL</b> flood, 28° <b>WF</b> wide flood, 45° <b>VWF</b> very wide flood, 60° <b>LS6020</b> linear spread, 60°x20° <b>LS9060</b> linear spread, 90°x60°	<b>83 CRI</b> <b>27</b> 2700K-83 <b>30</b> 3000K-83 <b>35</b> 3500K-83 <b>40</b> 4000K-83 <b>90+ CRI</b> <b>279</b> 2700K-90+ <b>309</b> 3000K-90+ <b>359</b> 3500K-90+ <b>409</b> 4000K-90+	<b>Standard Colors</b> <b>ABZ</b> architectural bronze <b>BLK</b> smooth satin black <b>Premium Colors</b> <b>SDS</b> stardust silver <b>TBK</b> textured black <b>WHT</b> white <i>RAL or custom colors available, consult factory</i>	<b>HEX</b> hexcell louver <u>Requires Accessory mount lens (A):</u> <b>FGS</b> full glare shield <b>HGS</b> half glare shield

## 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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 LIT-E0176 • 06/25/25 • Page 2 of 6

# Rook X

## 2" Pendant/Surface Mount



PROJECT:

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### Specifications

#### Application

Commercial, hospitality, retail and high end residential exterior pendant/surface 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: 12W

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

Canopy with Rigid Stem, Swivel Stem or Surface Mount options

#### Certifications

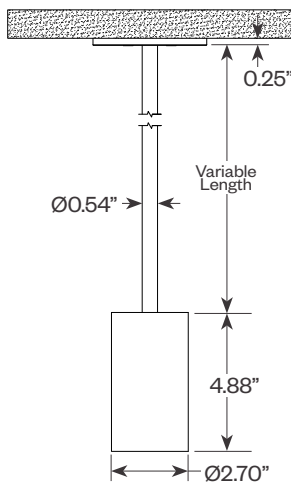
CSA listed for wet location

#### Warranty

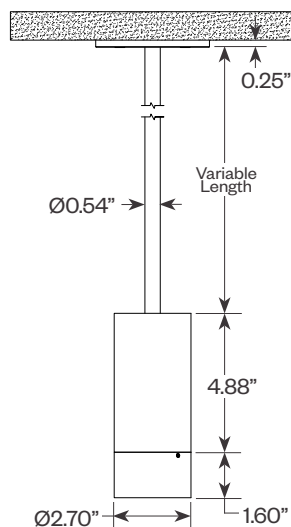
5 year limited warranty

### Product Details

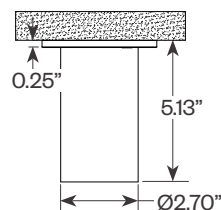
RKX-PM



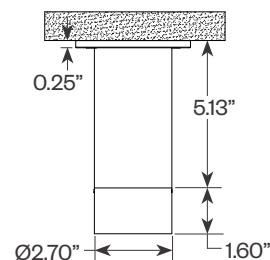
RKX-PM with FGS



RKX-SM



RKX-SM with FGS



# Rook X

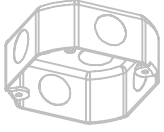
## 2" Pendant/Surface Mount



PROJECT:

TYPE:

### Junction Box Mounting Requirements



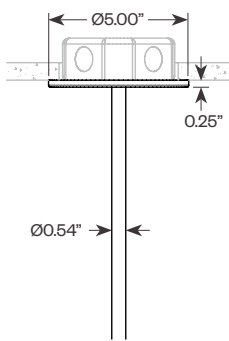
Canopy (C) & Conduit Canopy (CDC) Mounts  
Require 4" Octagonal Junction Box (by others)



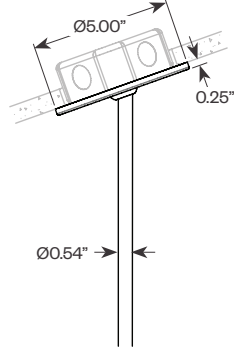
Reduced Canopy (RC) Mounts also  
Require Raised Cover (by others) for  
4" Octagonal Junction Box

### Mounting Options

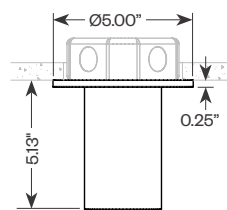
Canopy  
Rigid Stem (C.RSx)



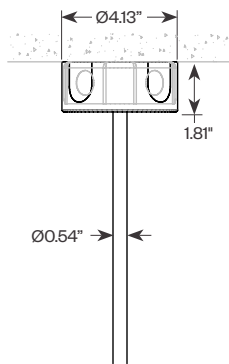
Canopy  
Swivel Stem (C.SSx)



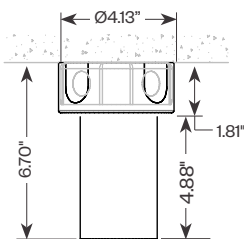
Canopy  
Surface Mount (C.SM)



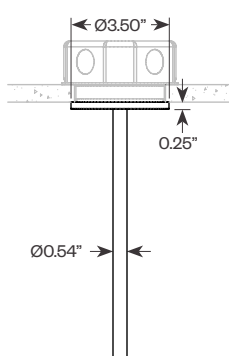
Conduit Canopy  
Rigid Stem (CDC.RSx)



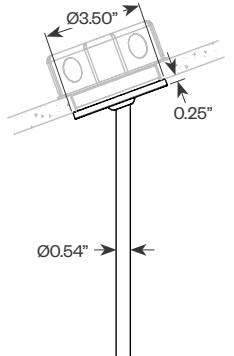
Conduit Canopy  
Surface Mount (CDC.SM)



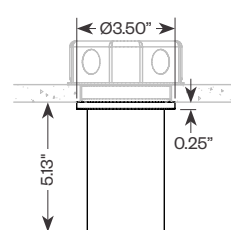
Reduced Canopy  
Rigid Stem (RC.RSx)



Reduced Canopy  
Swivel Stem (RC.SSx)



Reduced Canopy  
Surface Mount (RC.SM)



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## Lens Types

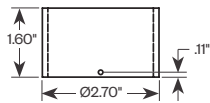


Flush Lens (F)

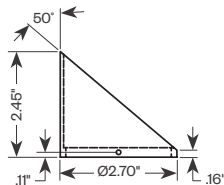


Accessory Mount Lens (A)

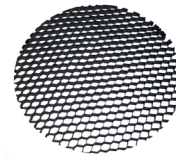
## Optical Accessories



Full Glare Shield (FGS)\*



Half Glare Shield (HGS)\*



Hexcell Louver (HEX)

(Available for either lens option)

\* Requires AL Lens option

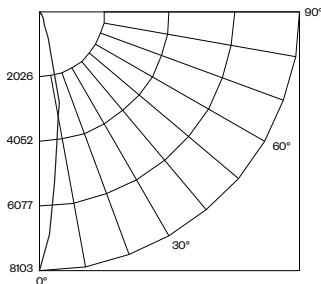
## Performance Data

**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

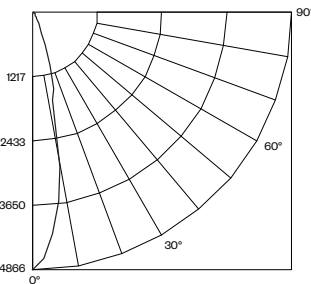
### Flush Lens

Spot (SP) Distribution, 17°  
Lumens: 1093



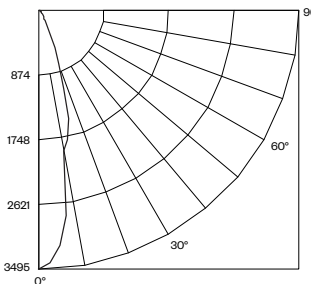
Candelas	
Deg	Candela
0	8103
5	5417
15	1328
25	136
35	53
45	31

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



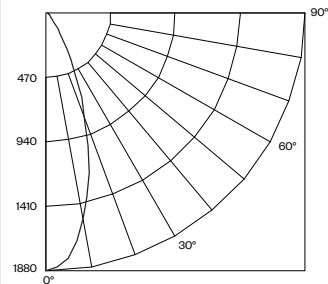
Candelas	
Deg	Candela
0	4866
5	4199
15	1502
25	242
35	70
45	35

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

### 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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LIT-E0176 • 06/25/25 • Page 5 of 6

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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.

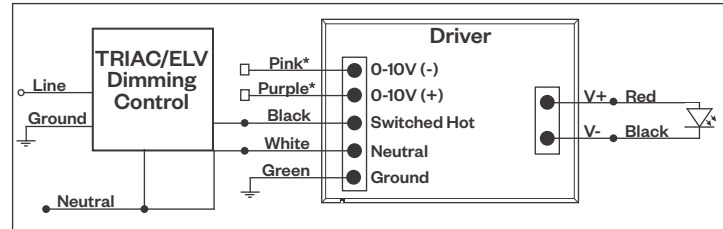
--- NOTE: INFORMATION BELOW IS FOR WIRED DIMMERS ONLY. FOR WIRELESS DIMMERS, CONSULT FACTORY ---

#### 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.

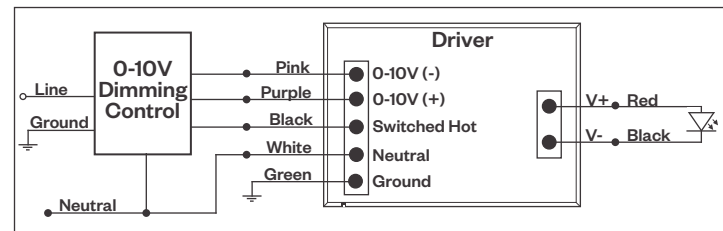
#### 0-10V - DIMMING (-0-10V Option)

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.

