

Rook[®] X

2" Pendant/Surface Mount



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° to +40° C



RKX-PM

RKX-PM w/FGS

Direct

PROJECT:

TYPE:



RKX-SM

RKX-SM w/FGS

Performance Chart

Distribution	RKX-PM & RKX-SM (with RL Lens only)				
	Spot 15°	Narrow Flood 22°	Flood 28°	Wide Flood 45°	Very Wide Flood 71°
Downward	1054	1001	980	974	833

Data shown for 3000K, 80 CRI. For other CCT and CRI options see pg 5.

Electrical Data

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

Electronic constant current LED driver



PROJECT:

TYPE:

Ordering Information



1	2	3	4	5	6	7	8
<p>1 <u>Model</u> RKX-PM - pendant mount RKX-SM - surface mount</p>	<p>2 <u>Lens Type</u> F - Flush lens A - Accessory mount lens</p>	<p>3 <u>Mounting</u> C- canopy CDC - conduit canopy RC - reduced canopy</p>	<p>4 <u>Suspension</u> (Pendant mount only, leave blank for -SM option) <u>Stem</u> (junction box mounting only, nominal overall length) RS2 - rigid stem, 2' RS3 - rigid stem, 3' RS4 - rigid stem, 4' SS2* - swivel stem, 2' SS3* - swivel stem, 3' SS4* - swivel stem, 4' * C or RC mounting only</p>	<p>5 <u>Beam Spread</u> SP - spot, 15° NF - narrow flood, 22° MFL - medium flood, 25° FL - flood, 31° WF - wide flood, 45° VWF - very wide flood, 71° LS6020 - linear spread, 60°x20° LS9060 - linear spread, 90°x60°</p>	<p>6 <u>Color Temp</u> 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+</p>	<p>7 <u>Finish</u> <u>Standard Colors</u> ABZ - architectural bronze BLK - smooth satin black <u>Premium Colors</u> SDS - stardust silver TBK - textured black WHT - white RAL or custom colors available (consult factory)</p>	<p>8 <u>Optical Accessories</u> HEX - Hexcell Louver Requires Accessory mount lens (A): FGS - Full Glare Shield HGS - Half Glare Shield</p>

Ordering Information for additional or replacement optical films

Luminaire Optics			Secondary Optic Information (Films)	
Optic	Nominal Distribution	Description	Part # for Secondary Optics	Description
SP	15	Spot	NA	Standard Optic
NF	22	Narrow Flood	665-0050-1	10° Optical Film
FL	28	Flood	665-0047-7	15° Optical Film
WF	45	Wide Flood	665-0052-1	30° Optical Film
VWF	71	Very Wide Flood	665-0054-1	60° Optical Film
LS-60x20	60x20	Asymmetric	665-0062-01	60° x 20° Optical Film
LS-90x60	90x60	Asymmetric	665-0063-04	90° x 60° 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.

PROJECT:

TYPE:

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

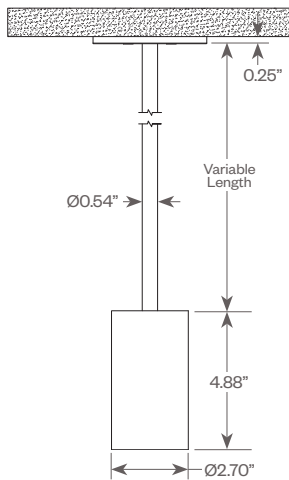
Certifications

CSA listed for wet location

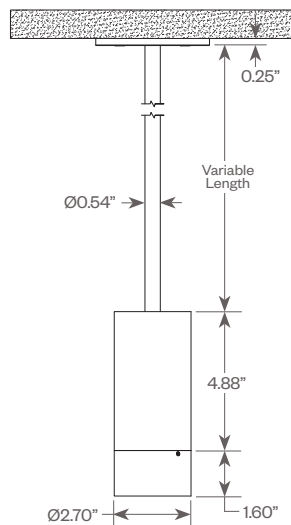
Warranty

5 year limited warranty

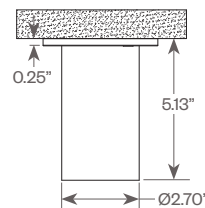
RKX-PM



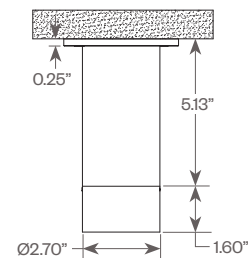
RKX-PM with FGS



RKX-SM



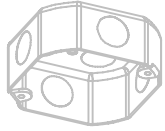
RKX-SM with FGS



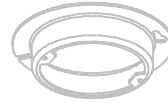
PROJECT:

TYPE:

JUNCTION BOX MOUNTING REQUIREMENTS

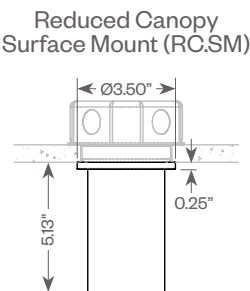
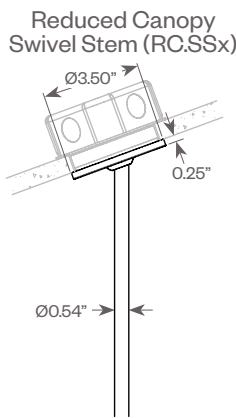
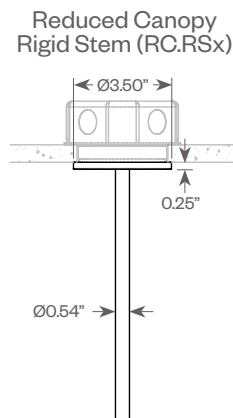
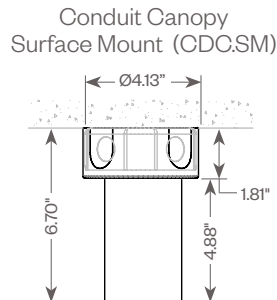
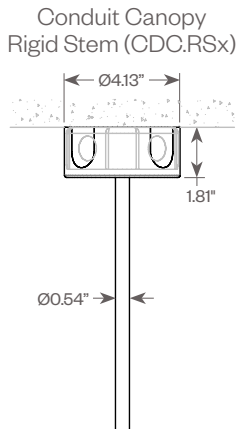
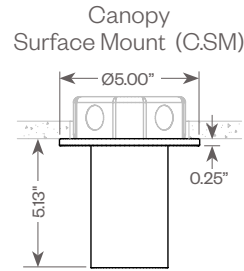
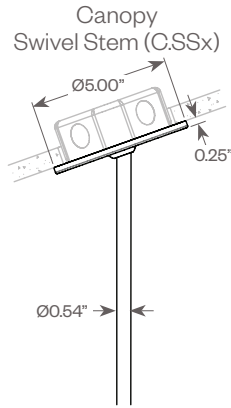
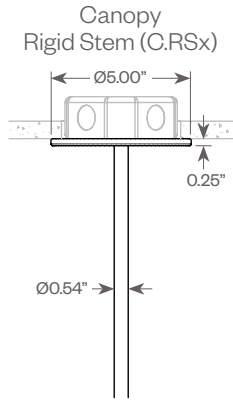


Canopy (C) & Conduit Canopy (CDC) Mounts Require 4" Octagonal Junction Box (by others)



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

MOUNTING OPTIONS



PROJECT:

TYPE:

LENS TYPES

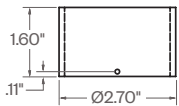


Flush Lens (FL)

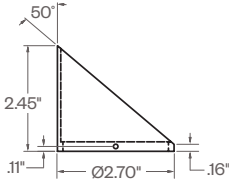


Accessory Mount Lens (AL)

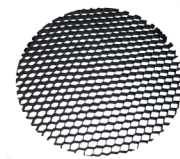
OPTICAL ACCESSORIES



Full Glare Shield (FGS)*



Half Glare Shield (HGS)*



Hexcell Louver (HEX)

* Requires AL Lens option

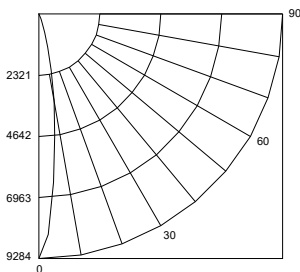
FIXTURE DATA: (Complete photometric data (ies format) available upon request)

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

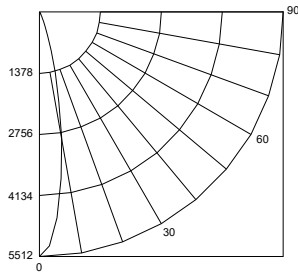
Polar Plot

Spot (SP) Distribution, 15°
Lumens: 1054



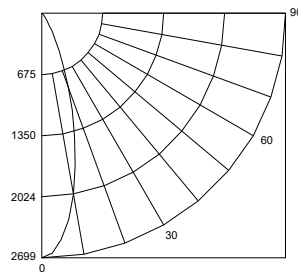
Candelas at Nadir	
Deg	Candela
0	9284
5	6412
15	1296
25	155
35	59
45	20

Narrow Flood (NF) Distribution, 22°
Lumens: 1001



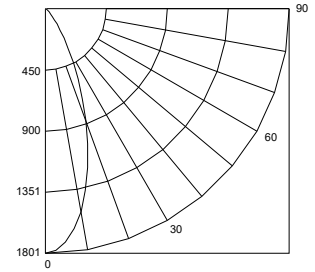
Candelas at Nadir	
Deg	Candela
0	5512
5	4657
15	1399
25	235
35	71
45	31

Flood (FL) Distribution, 31°
Lumens: 980



Candelas at Nadir	
Deg	Candela
0	2699
5	2511
15	1414
25	466
35	119
45	44

Wide Flood (WF) Distribution, 45°
Lumens: 974



Candelas at Nadir	
Deg	Candela
0	1801
5	1724
15	1210
25	573
35	191
45	62

PROJECT:

TYPE:

DIMMING COMPATIBILITY:

Amerlux® Rook fixtures are compatible with most 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.

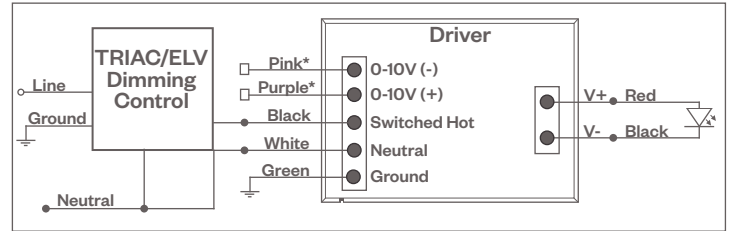
--- NOTE: INFORMATION BELOW IS FOR WIRED DIMMERS ONLY. FOR WIRELESS DIMMERS, CONSULT FACTORY ---

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



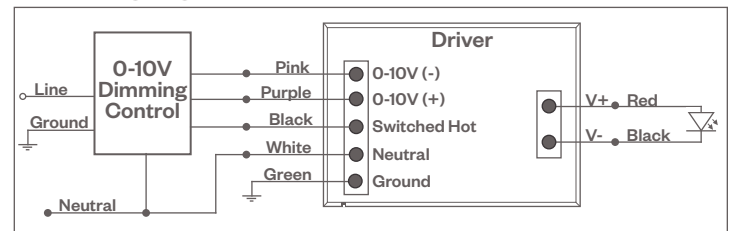
0-10V - DIMMING (-0-10V Option)

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 277V dimmable with appropriate dimmer (by others). All provided wiring diagrams show 120V wiring colors and method. Please refer to 277V dimmer installation instructions for 277V wiring diagrams.
- † The absence of a dimmer from the lists above does not imply incompatibility. Please consult factory for compatibility inquiries.