

Rook X

2" Exterior Wall Mounted Cylinder, Down Light Only

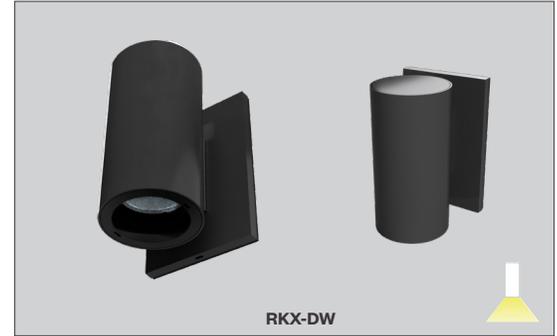


PROJECT:

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, Down Light Only
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
Weight: 2.1 lbs

Certifications



Fixture Summary

Performance Data

Distribution	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 4.

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

RKX-DW /

1
2
3
4
5

1 Model	2 Finish	3 Beam Spread	4 Color Temp	5 Optical Accessories										
<p>RKX-DW <i>(down light only, 12W)</i></p>	<p><u>Standard Colors</u></p> <p>ABZ architectural bronze</p> <p>BLK smooth satin black</p> <p><u>Premium Colors</u></p> <p>SDS stardust silver</p> <p>TBK textured black</p> <p>WHT white</p> <p><i>RAL or custom colors available, consult factory.</i></p>	<p>SP spot, 15°</p> <p>NF narrow flood, 22°</p> <p>MFL medium flood, 25°</p> <p>FL flood, 28°</p> <p>WF wide flood, 45°</p> <p>VWF very wide flood, 60°</p> <p>LS6020 linear spread, 60°x20°</p> <p>LS9060 linear spread, 90°x60°</p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">83 CRI</td> <td style="width: 50%;">90+ CRI</td> </tr> <tr> <td>27 2700K-83</td> <td>279 2700K-90+</td> </tr> <tr> <td>30 3000K-83</td> <td>309 3000K-90+</td> </tr> <tr> <td>35 3500K-83</td> <td>359 3500K-90+</td> </tr> <tr> <td>40 4000K-83</td> <td>409 4000K-90+</td> </tr> </table>	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>HEX-D hexcell louver in downward light source</p>
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+													

Ordering Information - 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.

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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: 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

Stainless steel wall mounted bracket

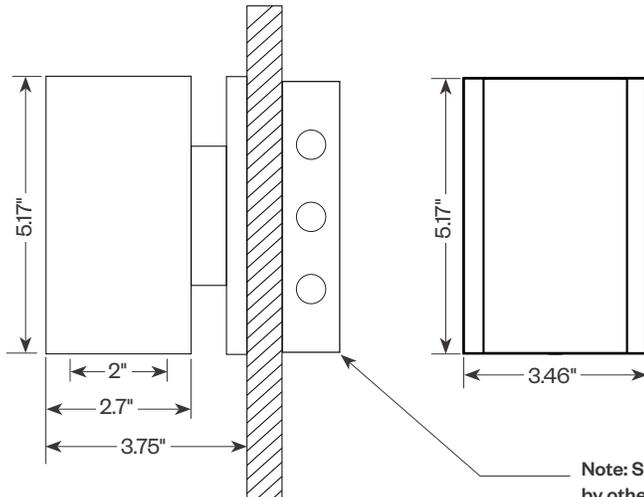
Certifications

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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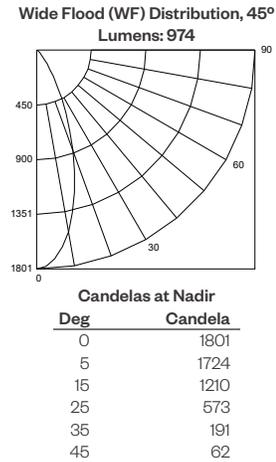
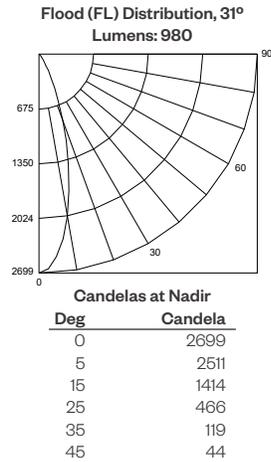
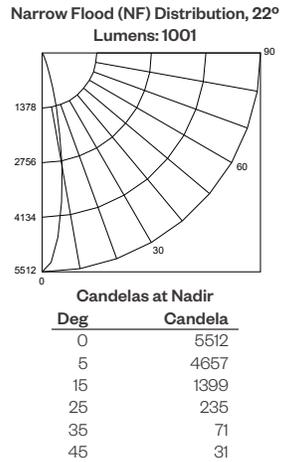
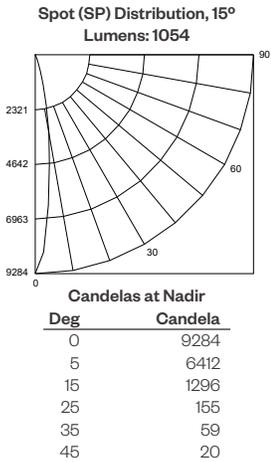
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Performance Data

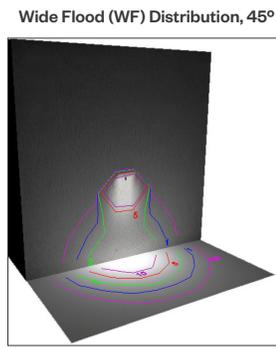
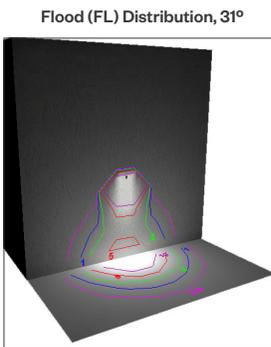
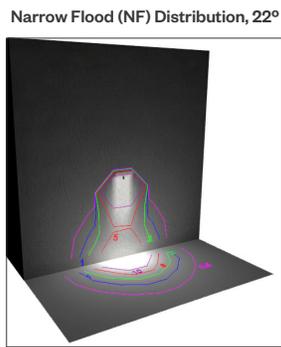
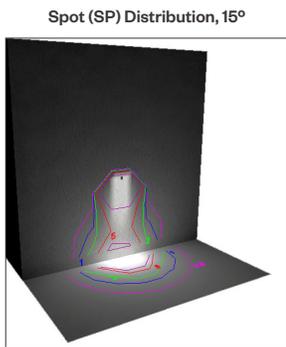
Multiplying Factors: (Multiplying Factor is based on 3000K-83 120V IES file on website)

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 Down



Application Data



Illuminance Legend	
Color	Value (Fc)
	0.5
	1
	2
	5
	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.

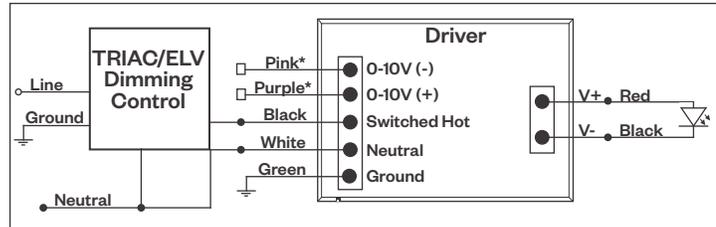
--- NOTE: INFORMATION BELOW IS FOR WIRED DIMMERS ONLY. FOR WIRELESS DIMMERS, CONSULT FACTORY ---

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.

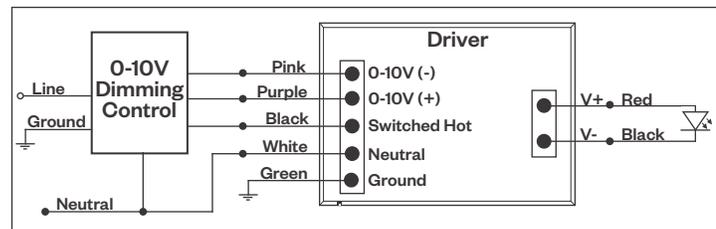
0-10V - DIMMING (-0-10V Option)

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.