

RC Down Lights

DESIGNER PLUS



PROJECT

CATALOG #

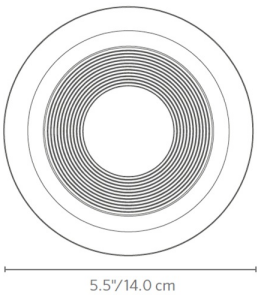
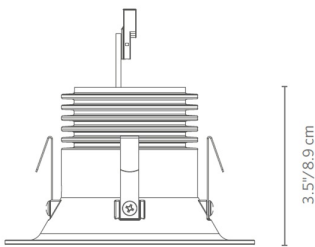
TYPE

NOTES

The RC is a cylindrical, top-mounted, recessed down light that enhances architectural features such as stonework, brick, and siding.

Quick Facts

- Die-cast aluminum
- Two-layer marine-grade anodization and powder coat finish
- Cree® integrated LEDs
- Fits standard 4" housings
- Color temperature filters
- Compatible with Luxor® technology
- Phase and PWM dimmable
- Input voltage: 10-15V



Output	3LED	6LED	9LED	ZDC
Total Lumens†	261	413	722	178
Input Voltage	10 to 15V	10 to 15V	10 to 15V	10 to 15V
Input Power (W)	4.2	7.8	11.2	5.3
VA	4.5	9.2	13.5	5.7
Efficacy (Lumens/Watt)	64	53	62	34
Color Rendering Index (CRI)	82	80	80	80
Center Beam Candlepower*	1,045	2,438	8,294	205
Dimming	PWM, Phase**	PWM, Phase**	PWM, Phase**	PWM, Phase**
RGBW Available	No	No	No	Yes
Luxor Compatibility				
Default	Zoning	Zoning	Zoning	--
ZD Option	Zoning/Dimming	Zoning/Dimming	Zoning/Dimming	--
ZDC Option	--	--	--	Zoning/Dimming/Color
Minimum Rated Life (L70)	50,000 Hrs	50,000 Hrs	50,000 Hrs	50,000 Hrs

\* Information not available for Flood or Wide Flood.  
\*\* For optimal performance, use a trailing-edge, phase-cut dimmer.  
†† Measured using the 3,900K CCT lens. Multipliers for other CCTs include 0.80 (2,700K), 0.65 (4,500K), and 0.65 (5,200K).

About FX Luminaire

As a leading manufacturer of landscape and architectural lighting, FX Luminaire provides innovative products, resources, and support to help customers bring their visions to life. The company offers a range of specification-driven solutions, including fixtures, controls, and accessories, to enhance residential and commercial landscapes.

Materials

Die-cast A380 aluminum body and shroud with stainless steel setscrews, mounting brackets, and fasteners.

LED

Integrated module with Cree LEDs. Gold-plated connectors and conformal coating for maximum reliability and corrosion resistance. Proprietary on-board intelligent driver uses firmware-controlled temperature regulation, maximizing LED life. Field upgradeable and replaceable, the LEDs are rated to 50,000 hrs. Maximum drive current: 1 A.

Optics

Polycarbonate color temperature adjustment lenses included with luminaire: 2,700K (preinstalled), 3,900K (no lens) 4,500K, and 5,200K. Interchangeable optics for 10°, 20°, 30°-32°, or 55-58° distributions ordered preassembled to luminaire. Color temperature and beam angle lenses field serviceable. For additional color filters, spread lenses, hex baffles, etc., use MR-16 sized accessories (MR-16: 1.95"/49.5 mm dia. x 1.1 mm thickness). Beam angle is calculated using LM-79 method for SSL luminaires.

Finish

Two-layer protection of sulfuric acid anodization and polyester TGIC powder coat, providing superior outdoor weathering in all conditions. Tested to ASTM standards.

Hardware

Stainless steel machine screws.

Wiring

18 AWG SPT-1W 105°C 300V; 6" length.

Sockets

Socket contains MoistureBlock™ technology, preventing moisture from wicking up into sealed areas of the luminaire.

Power

Input 10-15VAC/VDC 50/60Hz. Remote transformer required (specify separately).

Housing

Die-cast A380 aluminum body with capacity for 1LED, 3LED, 6LED, 9LED, or ZDC integrated LEDs.

Weight

1.2 lbs.

Lens

Tempered glass lens with shock resistance and high tolerance for thermal expansion and stress.

Ambient Operating Temperature

40°F to 140°F (-40°C to 60°C)

Installation Requirements

Designed for installation in the downward lighting direction only.

Control

Luxor ZD or Luxor ZDC utilizes Luxor technology to zone luminaires in up to 250 groups, dim each group in 1% increments between 0 and 100%, or change to one of 30,000 colors with RGBW LEDs.

Warranty

5-year limited warranty

Listings



[field\_spec\_builder\_mount] [field\_spec\_builder\_mount]

Fixture	Control	Power	Finish
RC	<b>[Default]</b> Zone with Luxor, On/Off, Phase Dimmable	<b>3 LED</b> 4.0W/4.4VA	<b>BZ</b> Bronze Metallic
	<b>ZD</b> Zone/Dim with Luxor	<b>6 LED</b> 7.7W/9.3VA	<b>FB</b> Black
	<b>ZDC</b> Zone/Dim/Color with Luxor	<b>9 LED</b> 11.1W/12.2VA	<b>DG</b> Desert Granite
		<b>[default ZDC option]</b> 9.1W/11.0VA	<b>WI</b> Weathered Iron
			<b>SB</b> Sedona Brown
			<b>FW</b> Flat White
			<b>SV</b> Silver



EXAMPLE FIXTURE CONFIGURATION: RC-ZD-6LED-WG

RC 3LED - Illuminance at a Distance

Distance	Center Beam fc	Beam Width
Feet (Meters)	Foot-Candles (Lux)	Vertical : 18.4 °
1.7' (0.5 m)	362 fc	0.6 ft
3.3' (1.0 m)	96.0 fc	1.1 ft
5.0' (1.5m)	41.8 fc	1.6 ft
6.7' (2.0 m)	23.3 fc	2.2 ft
8.3' (2.5 m)	15.2 fc	2.7 ft
10.0' (3.0 m)	10.5 fc	3.2 ft


RC 6LED - Illuminance at a Distance

Distance	Center Beam fc	Beam Width
Feet (Meters)	Foot-Candles (Lux)	Vertical : 15.6 °
1.7' (0.5 m)	844 fc	0.5 ft
3.3' (1.0 m)	224 fc	0.9 ft
5.0' (1.5m)	97.5 fc	1.4 ft
6.7' (2.0 m)	54.3 fc	1.8 ft
8.3' (2.5 m)	35.4 fc	2.3 ft
10.0' (3.0 m)	24.4 fc	2.7 ft

RC 9LED - Illuminance at a Distance


Distance	Center Beam fc	Beam Width
Feet (Meters)	Foot-Candles (Lux)	Vertical : 11.4 °
1.7' (0.5 m)	2,870 fc	0.3 ft
3.3' (1.0 m)	762 fc	0.7 ft
5.0' (1.5m)	332 fc	1.0 ft
6.7' (2.0 m)	185 fc	1.3 ft
8.3' (2.5 m)	120 fc	1.7 ft
10.0' (3.0 m)	82.9 fc	2.0 ft

MOUNTING OPTIONS: Specify Separately

Mounts	Catalog No.
4.0" (100 mm) Recessed Down Light Housing	CANR4RICAT 





Mounts	Catalog No.
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GLARE CONTROL: Specify Separately

Glare Control	Catalog No.	
Hex Baffle for MR-16 LED Lamps	250015260000	

Glare Control	Catalog No.
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LENS OPTIONS: Specify Separately

Lenses	Catalog No.		Lenses	Catalog No.	
MR16 Linear Spread Lens	250013550000		MR16 Solite Spread Lens	250015240000	
Integrated LED Flood Lens, 35°	X*-LEDFLENS		Integrated LED Wide Flood Lens, 60°	X*-LEDWFLENS	



POWER OPTIONS: Specify Separately

Power	Catalog No.		Power	Catalog No.
Step-Down Transformer, UV (120/277 V to 12 V)	ST-UV	