

RC Down Lights **DESIGNER PLUS**



PROJECT

CATALOG #

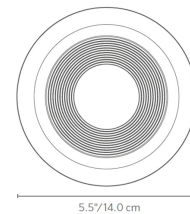
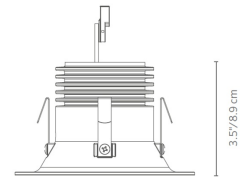
TYPE

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



RC Down Lights SPECIFICATIONS

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).

RC Down Lights SPECIFICATIONS

FX Luminaire

FX Luminaire is an industry-leading manufacturer of landscape and architectural lighting products with a focus on the advancement of LED technology and digital lighting control with zoning, dimming, and color adjustment capabilities. We offer a full spectrum of specification-driven lighting fixtures that can be utilized to create elegant, cutting-edge landscape lighting systems for commercial or residential applications. Our products are available exclusively via our extensive professional distributor network.

Materials

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

Lamp

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)

Sustainability 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



RC Down Lights ORDERING INFORMATION

Fixture	Luxor Option	Lamp	Finish
RC	[default] Zone	3 LED 4.0W/4.4VA	BZ Bronze Metallic 
	ZD Zone/Dim	6 LED 7.7W/9.3VA	DG Desert Granite 
	ZDC Zone/Dim/Color	9 LED 11.1W/12.2VA	WI Weathered Iron 
		[default ZDC option] 9.1W/11.0VA	SB Sedona Brown 
			FB Black 
			FW Flat White 
			SV 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 °	Horizontal: °
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 °	Horizontal: °
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 °	Horizontal: °
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	


RC Down Lights ORDERING INFORMATION

MOUNTING OPTIONS: Specify Separately

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





RC Down Lights ORDERING INFORMATION

GLARE OPTIONS: Specify Separately

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

RC Down Lights ORDERING INFORMATION

LENSE OPTIONS: Specify Separately

Lenses	Catalog No.		Lenses	Catalog No.	
Linear Spread Lens for MR-16 LED Lamps	250013550000		Solite Spread Lens for MR-16 LED Lamps	250015240000	
Integrated LED Flood Lens, 35°	X*-LEDFLENS		Integrated LED Wide Flood Lens, 60°	X*-LEDWFLENS	

RC Down Lights ORDERING INFORMATION

POWER OPTIONS: Specify Separately

Power	Catalog No.		Power	Catalog No.
Step Down Transformer, UV	ST-UV	