



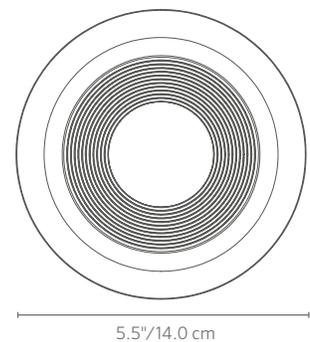
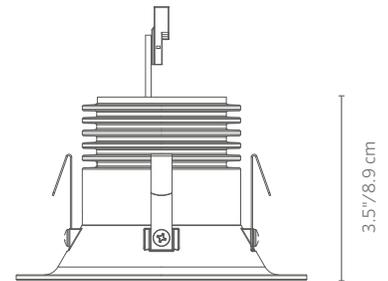
PROJECT
CATALOG #
TYPE
NOTES

RC DESIGNER PLUS

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 Light SPECIFICATIONS

	1LED	3LED	6LED	9LED	ZDC
Total Lumens[†]	85	261	413	722	178
Input Voltage	10 to 15V	10 to 15V	10 to 15V	10 to 15V	11 to 15V
Input Power (W)	2.0	4.2	7.8	11.2	5.3
VA	2.4	4.5	9.2	13.5	5.7
Efficacy (Lumens/Watt)	42	64	53	62	34
Color Rendering Index (CRI)	83	82	80	80	80
Center Beam Candlepower*	454	1,045	2,438	8,294	205
Dimming	PWM, Phase**				
RGBW Available	No	No	No	No	Yes
Luxor Compatibility					
Default	Zoning	Zoning	Zoning	Zoning	--
ZD Option	Zoning/Dimming	Zoning/Dimming	Zoning/Dimming	Zoning/Dimming	--
ZDC Option	--	--	--	--	Zoning/Dimming/ Color
Minimum Rated Life (L70)	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).

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 highly efficient 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.

Socket

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

Wiring

18 AWG SPT-1W 105°C 300V; 6" length.

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.

Faceplate

Die-cast A380 aluminum shroud.

Lens

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

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.

Ambient Operating Temperature

40°F to 140°F (-40°C to 60°C)

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.

Weight

1.2 lbs.

Sustainability

Innovation meets conservation in the design and manufacturing of our products. Where we can, we use recycled materials while maintaining the superior functionality. Our LED products provide high-quality light at optimal energy efficiency, lifespan, and durability.

Installation Requirements

Designed for installation in the downward lighting direction only.

Warranty

5-year limited warranty

Listings

E495051
E495444
UL 1598
UL 1598C
UL 2108
UL 8750



RC Down Light ORDERING INFORMATION

Fixture	Luxor Option	Output	Finish
RC	■ [default] Zone	■ 1LED 85 Lumens	■ BZ Bronze Metallic  ■ DG Desert Granite 
	■ ZD Zone/Dim	■ 3LED 261 Lumens	■ SV Silver  ■ WI Weathered Iron 
		■ 6LED 413 Lumens	■ FB Black  ■ SB Sedona Brown 
		■ 9LED 722 Lumens	■ FW Flat White  ■ WG White Gloss 
	■ ZDC Zone/Dim/Color	■ [default ZDC option] 178 Lumens	

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



ACCESSORIES: Specify Separately

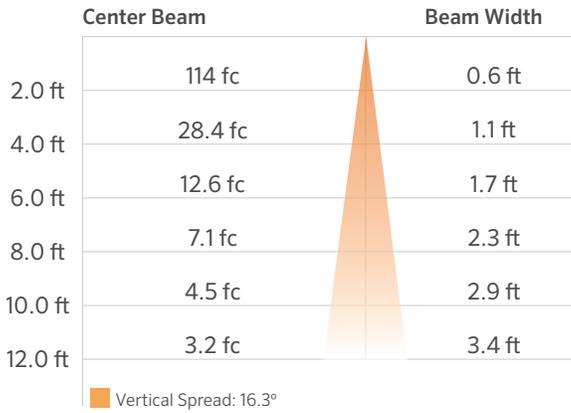
Name	Catalog No.
■ 4" RECESSED DOWN LIGHT HOUSING Ships in quantities of six	CANR4RICAT
■ STEP-DOWN TRANSFORMER (12V), UNIVERSAL INPUT VOLTAGE (120V-233V)	ST-UV

LENS ACCESSORIES: Specify Separately

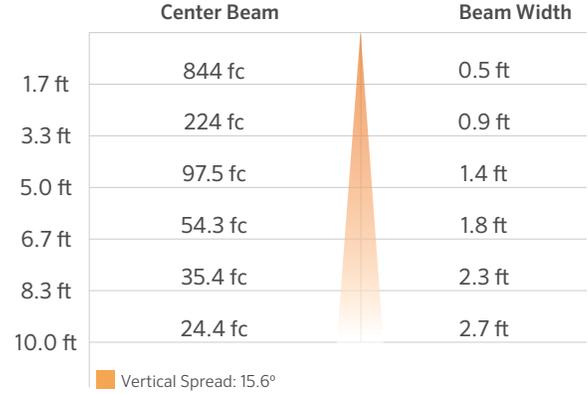
Item	Code	
■ HEX BAFFLE MR-16 Size	250015260000	
■ SOLITE SPREAD LENS MR-16 Size	250015240000	
■ FLOOD LENS 30°	X-LEDFLENS*	
■ WIDE FLOOD LENS 60°	X-LEDWFLENS*	

**X = number of LEDs

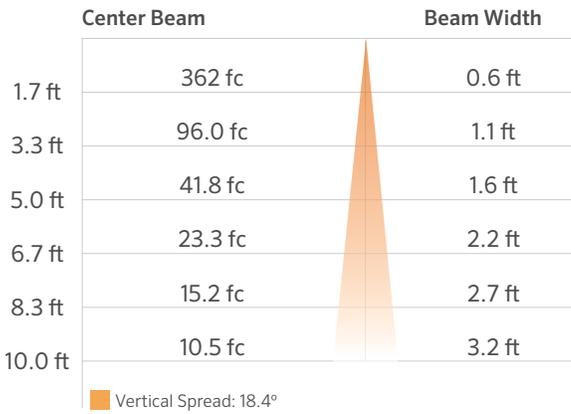
RC 1LED ILLUMINANCE AT A DISTANCE



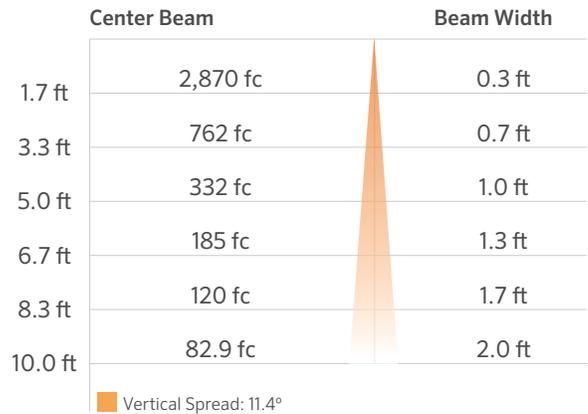
RC 6LED ILLUMINANCE AT A DISTANCE



RC 3LED ILLUMINANCE AT A DISTANCE



RC 9LED ILLUMINANCE AT A DISTANCE



NOTE

Photometric data displayed using 3,900K filter with 20° spot lens. ZDC option defaults to wide flood.