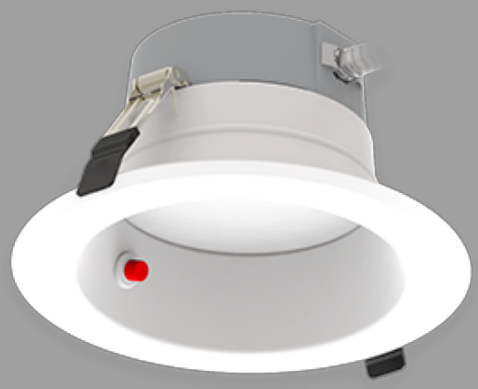
CRLEDFA-6R-16S-9CCT-UNV-WS/E



Color: White

Weight: 5.6 lbs

Project:	**Type:**
Prepared By:	**Date:**

Driver Info

Type	Constant Current
120V	.13A
208V	.08A
240V	.07A
277V	.06A
Input Watts	16/12/9W

LED Info

Watts	16/12/9W
Color Temp	3000/3500/4000/5000K
Color Accuracy	90 CRI
L70 Lifespan	N/A
Lumens	1500/1100/800 lm
Efficacy	94/92/89 lm/W

Technical Specifications

Performance

Product Type:
Commercial Downlight

Description:
Wattage and CCT selectable commercial downlights with emergency battery backup for new construction and retrofit applications.

Wattage Equivalency:
32/18/16W CFL

Input Wattage:
16/12/9W

Lumens (Nominal):
16W: 3000K @ 1,578lm; 3500K @ 1,658lm; 4000K @ 1,677lm; 5000K @ 1,636lm
12W: 3000K @ 1,128lm; 3500K @ 1,170lm; 4000K @ 1,180lm; 5000K @ 1,167lm
9W: 3000K @ 872lm; 3500K @ 900lm; 4000K @ 907lm; 5000K @ 904lm

Efficacy:
16W: 3000K @ 101lm/W; 3500K @ 106lm/W; 4000K @ 108lm/W; 5000K @ 105lm/W
12W: 3000K @ 105lm/W; 3500K @ 109lm/W; 4000K @ 111lm/W; 5000K @ 109lm/W
9W: 3000K @ 105lm/W; 3500K @ 109lm/W; 4000K @ 110lm/W; 5000K @ 110lm/W

L70 Lifespan:
50,000-Hour LED lifespan based on IES LM-70 results

Electrical

Driver:
Constant Current, Class 2, 60 Hz, 120V-277V, 120V: 0.13A, 208V: 0.08A, 240V: 0.07A, 277V: 0.06A

Dimming Driver:
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

THD:
≤20%

Power Factor:
≥0.9

Dimmable:
Yes, 0-10V dims down to 10%. See Dimmer Compatibility List.

Input Voltage:
120-277V

Operating Frequency:
50/60Hz

Input Current @ 240V (mA):
65mA

Input Current @ 277V (mA):
60mA

Operating Temperature:
-4°F to 104°F (-20°C to 40°C)

Flicker:
≤30%

Emergency Operation:
90 minutes

Emergency Lumens:
1,400lm

Emergency Test Switch:
Integrated emergency test switch

Color Temperature:
Field Adjustable via dip switch
3000/3500/4000/5000K

LED Characteristics

Color Accuracy (CRI):
>90 CRI

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Technical Specifications (continued)

R9 Value:
High color performance with R9 greater than or equal to 50

Color Consistency:
4-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability:
LED color temperature is warrantied to Shift no more than 200K in color temperature over a 5-year period

Color Uniformity:
RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Installation

Mounting:
Recessed

Construction

Size:
6"

Shape:
Round

Finish:
White

Enclosure Material:
Metal

Trim Style:
Smooth

Lens:
Polycarbonate light diffuser distributes light evenly and smoothly for general lighting applications

Cut Out Template Size:
6 5/16"

Compliance

Listings:
UL Listed, UL Classified

Environment:
Suitable for use in dry, damp, and wet environments.

IC Rated:
Suitable for direct contact with insulation

Air Tight:
Housing certified Air Tight as per ASTM E283

Energy Star Approved:
This product is ENERGY STAR® Version 2.2 Certified.

Certification Model Number:
DLC1003(CRLEDFA-6R-16S-9CCT-UNV-WS/E)

T20 Compliant:
Not compliant

California Title 24 JA8 Compliant:
Can be used to conform with the requirements of California Title 24 Part 6.

California Energy Commission (CEC) Status:
Lawful for Sales in California

NEC Compliant:
Suitable for use in closets. Compliant with NEC Sec. 410.16 (A)(1) and 410.16 (C3).

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

RoHS:
Mercury and UV free. RoHS-compliant components.

FCC:
Complies with Part 15 of the FCC Rules

Other

Accessories:
DLPLATE/C3468R/NB
DLPLATE/WFR3468/NB
Mounting Plate w/nailer bar

DL6-8GOOF/R/P/CRLEDFA
Commercial Downlight 6"-8" Goof Ring

Not compatible with color trims

5-Year, No-Compromise Warranty:
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

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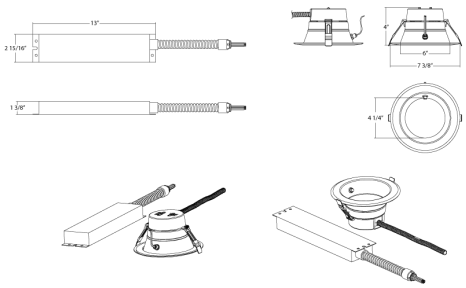
CRLEDFA-6R-16S-9CCT-UNV-WS/E

Dimensions



Features

- Mounts directly into ceiling, no housing required
- Field-adjustable "set and forget" color temperature
- High-performance LEDs for commercial applications
- Meets air-tight requirements
- 0-10V dimming, see Dimmer Compatibility List
- Suitable for wet and damp locations
- Replacement for traditional compact fluorescent recessed downlights

Ordering Matrix

Family	Size	Shape	Wattage	CRI/Color Temp	Driver	Finish	Trim	Battery Backup
CRLEDFA	6	R	16S	9CCT	UNV	W	S	/E
	4 = 4" **10 =** 10" **8 =** 8" **6 =** 6"	**R =** Round	**24S =** 24/19/15W Adjustable **33S =** 33/29/25W Adjustable **43S =** 43/37/32W Adjustable **12S =** 12/9/7W Adjustable **22S =** 22/16/11W Adjustable **16S =** 16/12/9W Adjustable	**9CCT =** 90 CRI, 3000/3500/4000/5000K CCT Adjustable	**UNV =** 120-277V, 0-10V Dimming	**W =** White	**S =** Smooth	**Blank =** No Battery Backup **/E =** Battery Backup

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