CR8/E



Color: White

Weight: 3.0 lbs

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

Driver Info

Type	Constant Current, Class A
120V	0.30A
208V	N/A
240V	N/A
277V	0.13A
Input Watts	31/25/17W

LED Info

Watts	31/25/17W
Color Temp	2700/3000/3500/4000/5000K
Color Accuracy	90 CRI
L70 Lifespan	50,000 Hours
Lumens	3500/2700/1800 lm
Efficacy	113/108/106 lm/W

Technical Specifications

Performance

Product Type:
Commercial Downlight

Description:
The CR commercial downlight offers best-in-class flexibility by adding universal dimming, which allows for both TRIAC & 0-10V dimming, making it a great choice for residential & commercial installations.

Wattage Equivalency:
75W CFL

Input Wattage:
31/25/17W

Efficacy:
113/108/106lm/W

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

Electrical

Driver:
Constant Current, Class A 120-277V 50/60 Hz; 120V: 295mA; 277V: 128mA

THD:
≤20%

Power Factor:
≥0.9

Dimmable:
Yes, dimmable down to 10% on compatible TRIAC/ELV and 0-10V dimming systems. See Dimmer Compatibility List.

Input Voltage:
120-277V

Operating Frequency:
50/60Hz

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

Flicker:
≤30%

Emergency Operation:
90 minutes

Emergency Characteristics

Battery Backup:
Integrated, quick connect battery backup system - easy to wire, no separate bulk battery

Battery Recharge Time:
24 hours

LED Characteristics

Beam Angle:
85°±10°

Color Temperature:
Default: 2700K
Field adjustable via dip switch
2700/3000/3500/4000/5000K

Color Tuning:
No

Color Accuracy (CRI):
90 CRI

Natural Spectrum:
No

R9 Value:
High color performance with R9 greater than 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

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Technical Specifications (continued)

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

Integrated Driver:
Driver is integrated on top of the light fixture and connects to junction box (not included) using the provided MC Whip cable.

Mounting:
Stainless steel spring action clips allow for both easy direct installation from 1/2" to 2" ceiling thicknesses and field accessibility below the ceiling for service or replacement.

Installation Types:
Designed for remodel or direct mounting in the ceiling, or can be retrofited into existing commercial downlight housings.

Construction

Size:
8"

Shape:
Round

Finish:
White

Enclosure Material:
Made from spun aluminum which maximizes passive cooling to ensure long lifespan

Trim Style:
Spun aluminum trim with smooth splay reflector

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

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

Compliance

Listings:
None

ETL Listed:
This product has been tested by Intertek and found in compliance with accepted national standards.

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

IC Rated:
Suitable for direct contact with insulation.
Type IC inherently protected, suitable for direct contact to air permeable insulation and cULus listed for damp locations. Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013.

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:
DLC1020(CR8/E)

California Title 20 Compliant:
No

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

Trade Agreements Act Compliant:
This product is a product of Cambodia and a "designated country" end product that complies with the Trade Agreements Act

Other

Compatible Accessories:
DL8-10GOOF/R/P/CRLEDFA
8"-10" Goof ring white round

8" Mounting frame DLPLATE/C3468R/NB
3", 4", 6", 8" Mounting plate w/nailer bar

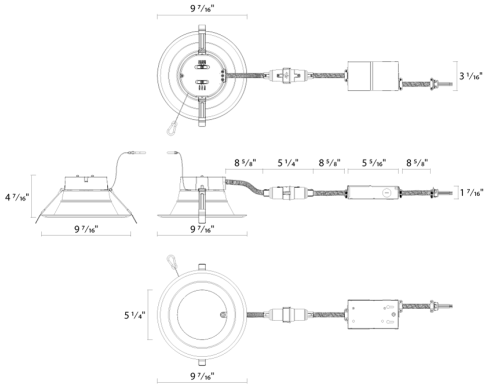
DLPLATE/WFR3468/NB
3", 4", 6", 8" Mounting plate w/nailed bar

DRI-21-EMGR-DC-D10
Emergency driver T20

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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Dimensions



Features

- Universal dimming technology allows for both 120V TRIAC/ELV dimming and 0-10V dimming in 1 SKU for incredible design flexibility
- 3 selectable brightness levels & 5 selectable CCTs (2700/3000/3500/4000/5000K)
- Suitable for new construction & remodel installations
- Deep regress lens for optimal glare control
- Multiple accessories available, including color trims and new construction mounting plates

Ordering Matrix

Family	Size/Wattage	Shape	CRI/Color Temp	Driver	Finish	Trim	Battery Backup
CR	8						/E
	4 = 4", 10/8/6W **6 =** 6", 21/17/10W **8 =** 8", 30/24/16W **10 =** 10", 37/30/24W	**Blank =** Round	**Blank =** 90 CRI, 2700/3000/3500/4000/5000K CCT Adjustable	**Blank =** 120-277V, 0-10V + TRIAC/ELV	**Blank =** White Cone, White Flange	**Blank =** Smooth	**/E =** Battery Backup

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