



PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____



Field-Adjustable Power and CCT



KEY FEATURES

- Universal dimming 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

PERFORMANCE														
Catalog Number	Size	Trim Style	Wattage Equivalency	Input Wattage	Lumens	Efficacy	Dim Type	Input Voltage	Beam Angle	Color Temperature	CRI	L70 Lifespan	Environment	Energy Star ID
CR4	4"	Smooth	23W CFL	10/8/6W	600/800/1000W	100 lm/W	0-10V + TRIAC/ELV	0-10V + TRIAC/ELV	85°+/-10%	Field adjustable viadip switch 2700/3000/3500/5000k	90 CRI	50,000 Hrs	Wet	3554272
CR6	6"	Smooth	52W CFL	21/17/10W	1,000/1,800/2,300 lm	110 lm/W								3554276
CR8	8"	Smooth	75W CFL	30/24/16W	1,800/2,700/3,400 lm	113 lm/W								3554279
CR10	10"	Smooth	100W CFL	37/30/24W	2,800/3,500/4,200 lm	114 lm/W								3554280

*Nominal values

Commercial Downlight 4-inch

CR4

CCT (K)	2700K			3000K			3500K			4000K			5000K		
Input Wattage (W)	6W	8W	10W	6W	8W	10W	6W	8W	10W	6W	8W	10W	6W	8W	10W
Lumens (lm)	600 lm	835 lm	1,048 lm	653 lm	859 lm	1,082 lm	669 lm	859 lm	1,116 lm	680 lm	899 lm	1,138 lm	693 lm	909 lm	1,143 lm
Efficacy (lm/W)	109 lm/W	108 lm/W	105 lm/W	113 lm/W	112 lm/W	110 lm/W	117 lm/W	116 lm/W	115 lm/W	119 lm/W	118 lm/W	117 lm/W	119 lm/W	117 lm/W	115 lm/W
Equivalency (W)	23W CFL	23W CFL	23W CFL	23W CFL	23W CFL	23W CFL	23W CFL	23W CFL	23W CFL	23W CFL	23W CFL	23W CFL	23W CFL	23W CFL	23W CFL

Commercial Downlight 6-inch

CR6

CCT (K)	2700K			3000K			3500K			4000K			5000K		
Input Wattage (W)	10W	17W	21W	10W	17W	21W	10W	17W	21W	10W	17W	21W	10W	17W	21W
Lumens (lm)	1,069 lm	1,855 lm	2,511 lm	1,093 lm	1,912 lm	2,596 lm	1,117 lm	1,963 lm	2,677 lm	1,134 lm	2,002 lm	2,732 lm	1,159 lm	2,013 lm	2,724 lm
Efficacy (lm/W)	121 lm/W	118 lm/W	124 lm/W	123 lm/W	121 lm/W	127 lm/W	126 lm/W	125 lm/W	133 lm/W	128 lm/W	127 lm/W	135 lm/W	131 lm/W	127 lm/W	134 lm/W
Equivalency (W)	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL

PERFORMANCE (CONT.)

Commercial Downlight 8-inch

CR8

CCT (K)	2700K			3000K			3500K			4000K			5000K		
Input Wattage (W)	16W	24W	30W	16W	24W	30W	16W	24W	30W	16W	24W	30W	16W	24W	30W
Lumens (lm)	1,873 lm	2,788 lm	3,537 lm	1,934 lm	2,879 lm	3,668 lm	1,990 lm	2,973 lm	3,806 lm	2,021 lm	3,022 lm	3,872 lm	2,054 lm	3,033 lm	3,854 lm
Efficacy (lm/W)	122 lm/W	121 lm/W	123 lm/W	125 lm/W	124 lm/W	126 lm/W	129 lm/W	129 lm/W	134 lm/W	131 lm/W	131 lm/W	135 lm/W	132 lm/W	131 lm/W	133 lm/W
Equivalency (W)	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL

Commercial Downlight 10-inch

CR10

CCT (K)	2700K			3000K			3500K			4000K			5000K		
Input Wattage (W)	24W	30W	37W	24W	30W	37W	24W	30W	37W	24W	30W	37W	24W	30W	37W
Lumens (lm)	2,851 lm	3,582 lm	4,502 lm	2,929 lm	3,697 lm	4,665 lm	3,021 lm	3,827 lm	4,856 lm	3,075 lm	3,900 lm	4,954 lm	3,105 lm	3,908 lm	4,924 lm
Efficacy (lm/W)	122 lm/W	121 lm/W	123 lm/W	125 lm/W	124 lm/W	127 lm/W	130 lm/W	130 lm/W	134 lm/W	132 lm/W	132 lm/W	136 lm/W	133 lm/W	131 lm/W	134 lm/W
Equivalency (W)	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL	52W CFL

TECHNICAL SPECIFICATIONS

CONSTRUCTION

Product Type

Commercial Downlight

Size

4", 6", 8" and 10"

Enclosure Material

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

Shape

Round

Finish

White - Standard fixture

Color trim accessories available (*Sold Separately*)**Trim Style**

Smooth

Beam Angle

90° beam angle

Lens Finish

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

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 retrofitted into existing commercial downlight housings.

ELECTRICAL

DimmableYes, dimmable down to 10% on compatible TRIAC/ELV and 0-10V dimming systems. (*See dimmer Compatibility list.*)**Driver**

Constant Current, Class A, 50/60 Hz, 120V-277V, 120V: 0.11A, 277V: 0.04A

THD

≤20%

Power Factor

≥0.9

Input Voltage

120-277V

Operating Frequency

50/60Hz

Operating Temperature

-4°F to 104°F (-20°C to 40°C)

Flicker

≤30%

TECHNICAL SPECIFICATIONS (CONT)

OTHER

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.

Note

All values are typical (tolerance +/- 10%)

LED CHARACTERISTICS

Beam Angle

90+/-10%

Color Temperature

Field-Adjustable dip switch 3000/3500/4000/5000K

Color Accuracy (CRI)

>90 CRI

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 warranted 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.

COMPLIANCE

Listing

UL Listed. UL Classified

Environment

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

Air-Tight

Housing certified Airtight per ASTM-E283

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

Energy Star Approved

This product is ENERGY STAR® Version 1.0 Certified.

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 & LM80 Testing

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

FCC

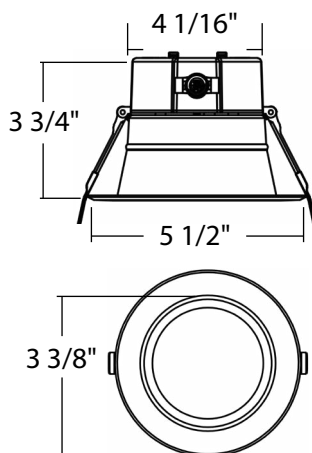
Complies with Part 15 of the FCC Rules.

RoHS

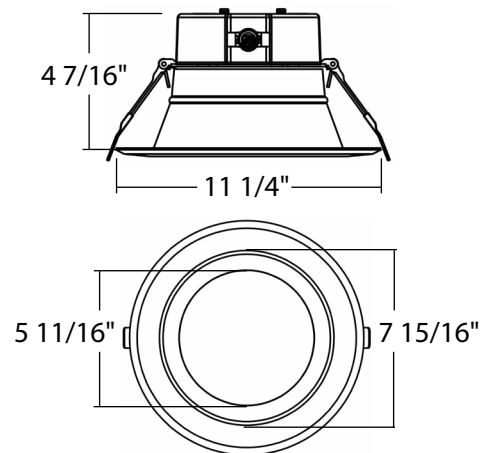
Mercury and UV free. RoHS-compliant components.

DIMENSIONS

4 Inch	Weight
CR4	0.86 lb



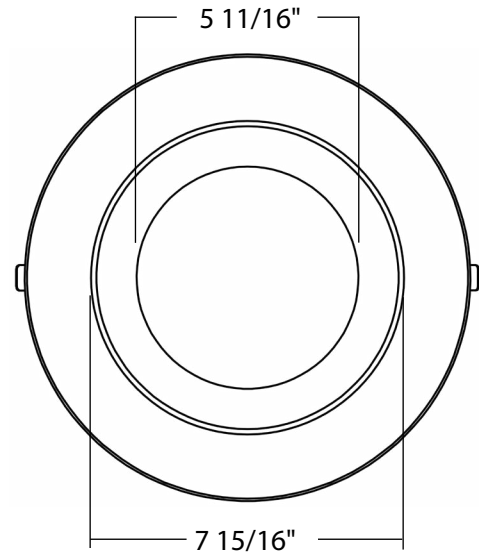
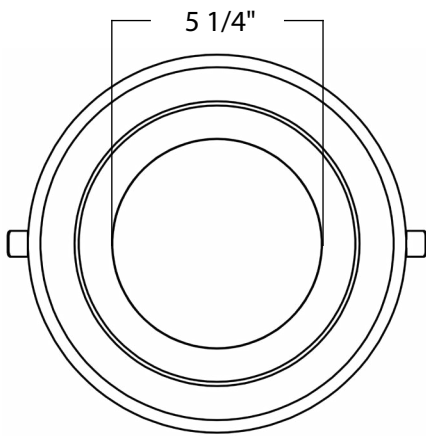
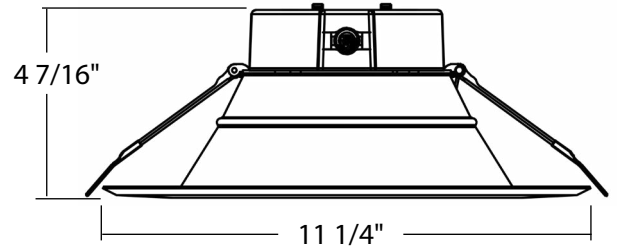
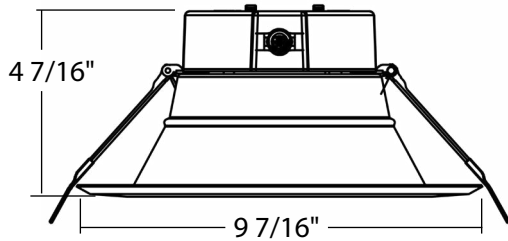
6 Inch	Weight
CR6	1.07 lbs



DIMENSIONS (CONT)

8 Inch	Weight
CR8	1.37 lbs

10 Inch	Weight
CR10	1.61 lbs



OPTIONAL ACCESSORIES

Goof Rings



Catalog Number	UPC	Description
DL4-6GOOF/R/P/CRLEDFA	192552024600	Commercial Downlight 4"-6" Goof Ring
DL6-8GOOF/R/P/CRLEDFA	192552024617	Commercial Downlight 6"-8" Goof Ring
DL8-10GOOF/R/P/CRLEDFA	192552024624	Commercial Downlight 8"-10" Goof Ring
DL8-12GOOF/R/P/CRLEDFA	192552024631	Commercial Downlight 8"-12" Goof Ring
DL10-12GOOF/R/P/CRLEDFA	192552024648	Commercial Downlight 10"-12" Goof Ring

4" Trims



4" Round
Brushed Nickel



4" Round
Bronze



4" Round
Black

Catalog Number	UPC	Description
DLTRIM/CRLEDFA4R-BS	192552024051	4" Smooth Black Color Trim
DLTRIM/CRLEDFA4R-BNS	192552024068	4" Smooth Brushed Nickel Color Trim
DLTRIM/CRLEDFA4R-BRS	192552024075	4" Smooth Bronze Color Trim

OPTIONAL ACCESSORIES (CONT)

6" Trims



6" Round
Brushed Nickel



6" Round
Bronze



6" Round
Black

Catalog Number	UPC	Description
DLTRIM/CRLEDFA6R-BS	192552024082	6" Smooth Black Color Trim
DLTRIM/CRLEDFA6R-BNS	192552024099	6" Smooth Brushed Nickel Color Trim
DLTRIM/CRLEDFA6R-BRS	192552024105	6" Smooth Bronze Color Trim

8" Trims



8" Round
Brushed Nickel



8" Round
Bronze



8" Round
Black

Catalog Number	UPC	Description
DLTRIM/CRLEDFA8R-BS	192552024112	8" Smooth Black Color Trim
DLTRIM/CRLEDFA8R-BNS	192552024129	8" Smooth Brushed Nickel Color Trim
DLTRIM/CRLEDFA8R-BRS	192552024136	8" Smooth Bronze Color Trim

10" Trims



10" Round
Brushed Nickel



10" Round
Bronze



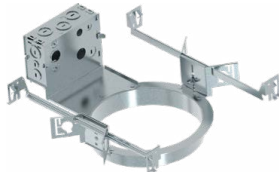
10" Round
Black

Catalog Number	UPC	Description
DLTRIM/CRLEDFA10R-BS	192552024143	10" Smooth Black Color Trim
DLTRIM/CRLEDFA10R-BNS	192552024150	10" Smooth Brushed Nickel Color Trim
DLTRIM/CRLEDFA10R-BRS	192552024167	10" Smooth Bronze Color Trim

Mounting Frames (Rough-Ins)



6" Round



8" Round

Catalog Number	UPC	Description
DLFRAME/C6R	192552000697	Commercial DL Frame 6"
DLFRAME/C8R	192552000703	Commercial DL Frame 8"

Mounting Plates



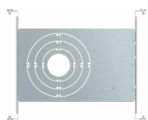
DLPLATE/C3468R/NB



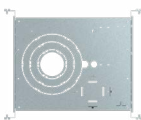
DLPLATE/WFR4/NB/CL



DLPLATE/WFR6/NB/CL



DLPLATE/WFR3468/NB

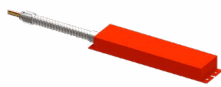


DLPLATE/C3468R/NB

Catalog Number	UPC	Description
DLPLATE/WFR3456	0192552025584	DL ECO MOUNTING PLATE GREY FOR WAFER 3"/4"5"6"
DLPLATE/WFR4/NB/CL	0192552036993	MOUNTING PLATE FOR WAFER 4" W/ DRY-WALL COLLAR & EXTENSION BAR
DLPLATE/WFR6/NB/CL	0192552037006	MOUNTING PLATE FOR WAFER 6" W/ DRY-WALL COLLAR & EXTENSION BAR
DLPLATE/WFR3468/NB	192552000673	MOUNTING PLATE WITH NAILER BAR FOR 4" AND 6"
DLPLATE/C3468R/NB	192552000680	MOUNTING PLATE WITH NAILER BAR FOR 6", 8" AND 10"

OPTIONAL ACCESSORIES (CONT)

Battery backup



DRI-21-EMGR-DC-D10

Catalog Number	UPC	Description
DRI-21-EMGR-DC-D10	192552028264	EMERGENCY DRIVER 100-277V 21W 0-10V DIM

ORDERING INFO

Catalog Number	Model Number	UPC	Case Pack
CR4	DLC1006(CR4)	192552037785	4
CR6	DLC1007(CR6)	192552037792	4
CR8	DLC1008(CR8)	192552037808	4
CR10	DLC1009(CR10)	192552037815	4

ORDERING MATRIX

Family	Size/Wattage	Shape	CRI/Color Temp	Voltage/Dimming	Trim	Finish
CR						
4	4", 10/8/6W	Blank Round Blank	90 CRI;Field-Adjustable 2700/3000/3500/4000/5000K	Blank 120-277V; 0-10V+TRIAC/ELV	Blank White	Blank Smooth
6	6", 21/17/10W					
8	8", 30/24/16W					
10	10", 37/30/24W					