Deep-Regress, CCT-Adjustable Downlights



PROJECT:

DATE:

TYPE:

PREPARED BY:

5 YEAR NO-COMPROMISE WARRANTY

CAN BE USED TO COMPLY WITH TITLE 24 PART 6 JA8 HIGH EFFICACY LED LIGHT SOURCE REQUIREMENTS

FC COMPLIANT

RoHS

ETL US Intertek

KEY FEATURES

- Field-adjustable color temperature — 2700/3000/3500/4000/5000K at 90 CRI, set at install
- Deep regress aperture for low-glare visual comfort
- Remote driver; no housing, no can, no J-box; fixture depth from 2 3/8"
- New construction or retrofit applications
- Cut-out template in every box and a quick-connect driver lead
- Smooth or baffle trim in 3"; round or square in 2", 3" and 4"; white or black
- Emergency battery drivers available with 90 minutes of egress light
- 120-277V field conversion via universal-voltage driver accessory

Deep-regress recessed downlights, 2" to 4", round or square, smooth or baffle trim, white or black

FIELD ADJUSTABLE | 90 CRI | 50,000 HOURS | NO HOUSING REQUIRED | WET RATED | IC RATED | TRIAC / ELV DIMMABLE | DEEP REGRESS

PERFORMANCE

Catalog Numbers	Size	Shape	Finish	Trim	Beam	Equivalency	Input Wattage	Lumens	Efficacy
R2-10 R2S-10 R2-10-K R2S-10-K	2"	Round, Square	White, Black	Smooth	38°	75W Incandescent	10W	820 lm	82 lm/W
R2-15 R2S-15 R2-15-K R2S-15-K						125W Incandescent	15W	1,230 lm	82 lm/W
R3-9 R3S-9 R3-9B R3S-9B R3-9-K R3S-9-K	3"			Smooth, Baffle		65W Incandescent	9W	750 lm	83 lm/W
R3-15 R3S-15 R3-15B R3S-15B R3-15-K R3S-15-K						125W Incandescent	15W	1,230 lm	82 lm/W
R4-22 R4S-22 R4-22-K R4S-22-K	4"			Smooth		100-150W Incandescent	10/16/22W	1,000 / 1,500 / 2,000 lm	91 lm/W
R4-32 R4S-32 R4-32-K R4S-32-K						150-250W Incandescent	20/26/32W	2,000 / 2,500 / 2,800 lm	88 lm/W

©2026 RAB Lighting Inc. 888 722-1000 rablighting.com

Deep-Regress, CCT-Adjustable Downlights

PHOTOMETRIC

Catalog Number	Wattage	Color Temperature	Lumens	Efficacy	Equivalency
R2-10	10W	2700K	815 lm	84 lm/W	75W Incandescent
		3000K	864 lm	90 lm/W	
		3500K	901 lm	96 lm/W	
		4000K	935 lm	100 lm/W	
		5000K	949 lm	98 lm/W	
R2-10-K	10W	2700K	741 lm	76 lm/W	75W Incandescent
		3000K	783 lm	82 lm/W	
		3500K	819 lm	88 lm/W	
		4000K	848 lm	91 lm/W	
		5000K	859 lm	88 lm/W	
R2S-10	10W	2700K	796 lm	81 lm/W	75W Incandescent
		3000K	844 lm	87 lm/W	
		3500K	883 lm	93 lm/W	
		4000K	915 lm	97 lm/W	
		5000K	925 lm	94 lm/W	
R2S-10-K	10W	2700K	700 lm	72 lm/W	75W Incandescent
		3000K	740 lm	78 lm/W	
		3500K	774 lm	83 lm/W	
		4000K	800 lm	86 lm/W	
		5000K	808 lm	83 lm/W	
R2-15	15W	2700K	1,139 lm	79 lm/W	125W Incandescent
		3000K	1,213 lm	86 lm/W	
		3500K	1,279 lm	93 lm/W	
		4000K	1,324 lm	97 lm/W	
		5000K	1,324 lm	92 lm/W	
R2-15-K	15W	2700K	1,032 lm	71 lm/W	125W Incandescent
		3000K	1,107 lm	79 lm/W	
		3500K	1,165 lm	85 lm/W	
		4000K	1,205 lm	88 lm/W	
		5000K	1,197 lm	82 lm/W	
R2S-15	15W	2700K	1,089 lm	75 lm/W	125W Incandescent
		3000K	1,178 lm	84 lm/W	
		3500K	1,242 lm	90 lm/W	
		4000K	1,289 lm	94 lm/W	
		5000K	1,292 lm	89 lm/W	
R2S-15-K	15W	2700K	974 lm	67 lm/W	125W Incandescent
		3000K	1,051 lm	74 lm/W	
		3500K	1,107 lm	80 lm/W	
		4000K	1,145 lm	84 lm/W	
		5000K	1,138 lm	78 lm/W	

Deep-Regress, CCT-Adjustable Downlights

PHOTOMETRIC

Catalog Number	Wattage	Color Temperature	Lumens	Efficacy	Equivalency
R3-9	9W	2700K	658 lm	77 lm/W	65W Incandescent
		3000K	703 lm	84 lm/W	
		3500K	743 lm	90 lm/W	
		4000K	763 lm	92 lm/W	
		5000K	781 lm	91 lm/W	
R3-9-K	9W	2700K	677 lm	76 lm/W	65W Incandescent
		3000K	714 lm	81 lm/W	
		3500K	744 lm	87 lm/W	
		4000K	769 lm	90 lm/W	
		5000K	782 lm	87 lm/W	
R3-9B	9W	2700K	643 lm	75 lm/W	65W Incandescent
		3000K	686 lm	81 lm/W	
		3500K	725 lm	88 lm/W	
		4000K	744 lm	89 lm/W	
		5000K	760 lm	89 lm/W	
R3S-9	9W	2700K	735 lm	85 lm/W	65W Incandescent
		3000K	774 lm	91 lm/W	
		3500K	808 lm	97 lm/W	
		4000K	839 lm	101 lm/W	
		5000K	848 lm	98 lm/W	
R3S-9-K	9W	2700K	673 lm	76 lm/W	65W Incandescent
		3000K	709 lm	81 lm/W	
		3500K	740 lm	86 lm/W	
		4000K	766 lm	90 lm/W	
		5000K	781 lm	88 lm/W	
R3S-9B	9W	2700K	634 lm	74 lm/W	65W Incandescent
		3000K	676 lm	80 lm/W	
		3500K	716 lm	87 lm/W	
		4000K	736 lm	89 lm/W	
		5000K	752 lm	88 lm/W	
R3-15	15W	2700K	987 lm	69 lm/W	125W Incandescent
		3000K	1,070 lm	77 lm/W	
		3500K	1,146 lm	85 lm/W	
		4000K	1,181 lm	86 lm/W	
		5000K	1,176 lm	83 lm/W	
R3-15-K	15W	2700K	967 lm	69 lm/W	125W Incandescent
		3000K	1,040 lm	76 lm/W	
		3500K	1,095 lm	82 lm/W	
		4000K	1,127 lm	85 lm/W	
		5000K	1,121 lm	80 lm/W	

Deep-Regress, CCT-Adjustable Downlights

PHOTOMETRIC

Catalog Number	Wattage	Color Temperature	Lumens	Efficacy	Equivalency
R3-15B	15W	2700K	958 lm	67 lm/W	125W Incandescent
		3000K	1,037 lm	74 lm/W	
		3500K	1,112 lm	82 lm/W	
		4000K	1,144 lm	83 lm/W	
		5000K	1,136 lm	79 lm/W	
R3S-15	15W	2700K	1,108 lm	77 lm/W	125W Incandescent
		3000K	1,189 lm	84 lm/W	
		3500K	1,253 lm	92 lm/W	
		4000K	1,290 lm	94 lm/W	
		5000K	1,282 lm	89 lm/W	
R3S-15-K	15W	2700K	972 lm	69 lm/W	125W Incandescent
		3000K	1,038 lm	76 lm/W	
		3500K	1,094 lm	83 lm/W	
		4000K	1,128 lm	85 lm/W	
		5000K	1,128 lm	81 lm/W	
R3S-15B	15W	2700K	953 lm	67 lm/W	125W Incandescent
		3000K	1,030 lm	74 lm/W	
		3500K	1,106 lm	82 lm/W	
		4000K	1,140 lm	83 lm/W	
		5000K	1,133 lm	80 lm/W	
R4-22	10W	2700K	903 lm	106 lm/W	100-150W Incandescent
		3000K	930 lm	109 lm/W	
		3500K	961 lm	112 lm/W	
		4000K	993 lm	115 lm/W	
		5000K	1,048 lm	121 lm/W	
R4-22-K	10W	2700K	828 lm	97 lm/W	100-150W Incandescent
		3000K	855 lm	100 lm/W	
		3500K	884 lm	103 lm/W	
		4000K	913 lm	106 lm/W	
		5000K	958 lm	110 lm/W	
R4S-22	10W	2700K	880 lm	103 lm/W	100-150W Incandescent
		3000K	911 lm	105 lm/W	
		3500K	930 lm	108 lm/W	
		4000K	958 lm	111 lm/W	
		5000K	1,003 lm	115 lm/W	
R4S-22-K	10W	2700K	830 lm	96 lm/W	100-150W Incandescent
		3000K	855 lm	99 lm/W	
		3500K	883 lm	101 lm/W	
		4000K	910 lm	104 lm/W	
		5000K	954 lm	109 lm/W	

Deep-Regress, CCT-Adjustable Downlights

PHOTOMETRIC

Catalog Number	Wattage	Color Temperature	Lumens	Efficacy	Equivalency
R4-32	20W	2700K	1,927 lm	100 lm/W	150-250W Incandescent
		3000K	1,989 lm	102 lm/W	
		3500K	2,054 lm	105 lm/W	
		4000K	2,116 lm	108 lm/W	
		5000K	2,204 lm	112 lm/W	
R4-32-K	20W	2700K	1,809 lm	93 lm/W	150-250W Incandescent
		3000K	1,885 lm	96 lm/W	
		3500K	1,920 lm	98 lm/W	
		4000K	1,979 lm	101 lm/W	
		5000K	2,065 lm	105 lm/W	
R4S-32	20W	2700K	1,879 lm	97 lm/W	150-250W Incandescent
		3000K	1,938 lm	100 lm/W	
		3500K	2,000 lm	103 lm/W	
		4000K	2,060 lm	106 lm/W	
		5000K	2,144 lm	109 lm/W	
R4S-32-K	20W	2700K	1,730 lm	90 lm/W	150-250W Incandescent
		3000K	1,786 lm	92 lm/W	
		3500K	1,845 lm	95 lm/W	
		4000K	1,902 lm	97 lm/W	
		5000K	1,982 lm	101 lm/W	

Deep-Regress, CCT-Adjustable Downlights

TECHNICAL SPECIFICATIONS

CONSTRUCTION

Product Type
Deep regress recessed downlight

Size
2", 3", 4"

Shape
Round, square

Trim Style
Smooth, baffle

Enclosure Material
Metal

Finish
White, black powder coat

Lens
TIR optic

Mounting
Spring-loaded retention clips; remote driver box

Remote Driver Box
Steel enclosure with removable cover and four pry-out knockouts. 4 15/16 x 2 1/2 x 1 3/16" on all deep regress models.

Wire Connectors
WAGO-style 3-port push-in connectors supplied (not WAGO branded). Rated 24A max; accepts #24-#12 AWG solid or #24-#14 AWG stranded.

COMPLIANCE

Safety Listings
ETL listed

Environmental Rating
Suitable for dry, damp and wet locations

California Title 24 JA8
Compliant

FCC
Complies with Part 15 of the FCC Rules.

RoHS
Mercury and UV free. RoHS-compliant components.

IC Rating
IC rated for direct insulation contact, except R2-15 and R4-32 series — both carry over-temperature protection and shut off automatically if installed in contact with insulation

Air-Tight
Housing certified Air Tight as per ASTM E283

Buy American
Not BAA compliant

ELECTRICAL

Input Voltage
120V; 120-277V on R2-15 and R4-32 series, or via universal-voltage driver accessory

Operating Frequency
60 Hz

Dimmable
Yes, dims to 10% on compatible TRIAC/ELV systems. See Dimmer Compatibility List on rablighting.com

THD
≤20%

Power Factor
≥0.9

Driver
Remote, Class 2, constant current

Input Current
R2-10 0.083A · R2-15 0.125A · R3-9 0.075A · R3-15 0.125A · R4-22 0.183A R4-32 0.266A, measured at 120V

Emergency
EMB-9 / EMB-15 / EMB-25 battery drivers, 100-347V, 0-10V dimmable

Operating Temperature
-13°F to 104°F *(-25°C to 40°C)*

LIGHT OUTPUT

CRI
90, R9 >50

CCT
Field-adjustable 2700/3000/3500/4000/5000K

Beam Angle
38°

Tilt
Fixed, no tilt

Lifespan
50,000 hours L70

Color Consistency
7-step MacAdam Ellipse (SDCM 7)

INSTALLATION

Mounting
Spring-loaded retention clips pull the trim flush to the ceiling. A cut-out template ships in every box. New construction or retrofit; no housing, no can and no J-box required.

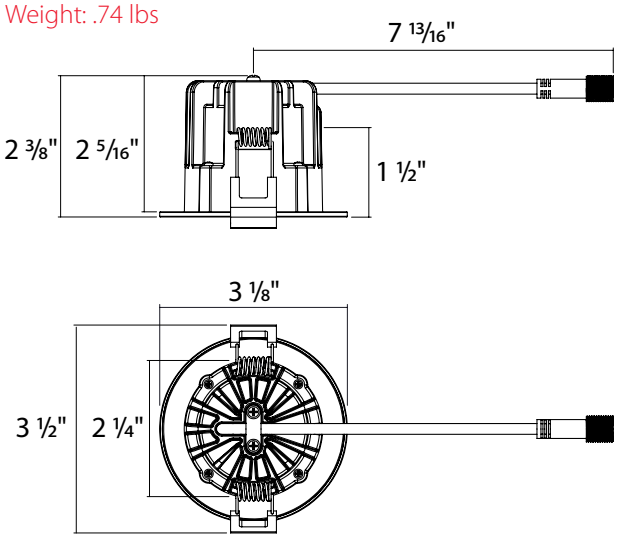
Wiring
Quick-connect driver lead — no wiring at the fixture. Line black, neutral white, ground green/yellow. Where 0-10V is fitted, purple is positive and pink is negative. Push-in connector rated 24A max, #24-#12 AWG solid or #24-#14 AWG stranded.

OTHER

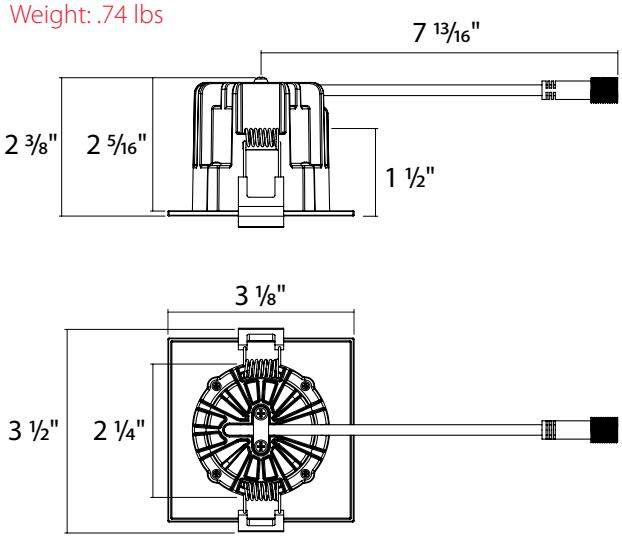
Warranty
5 years. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty

DIMENSIONS

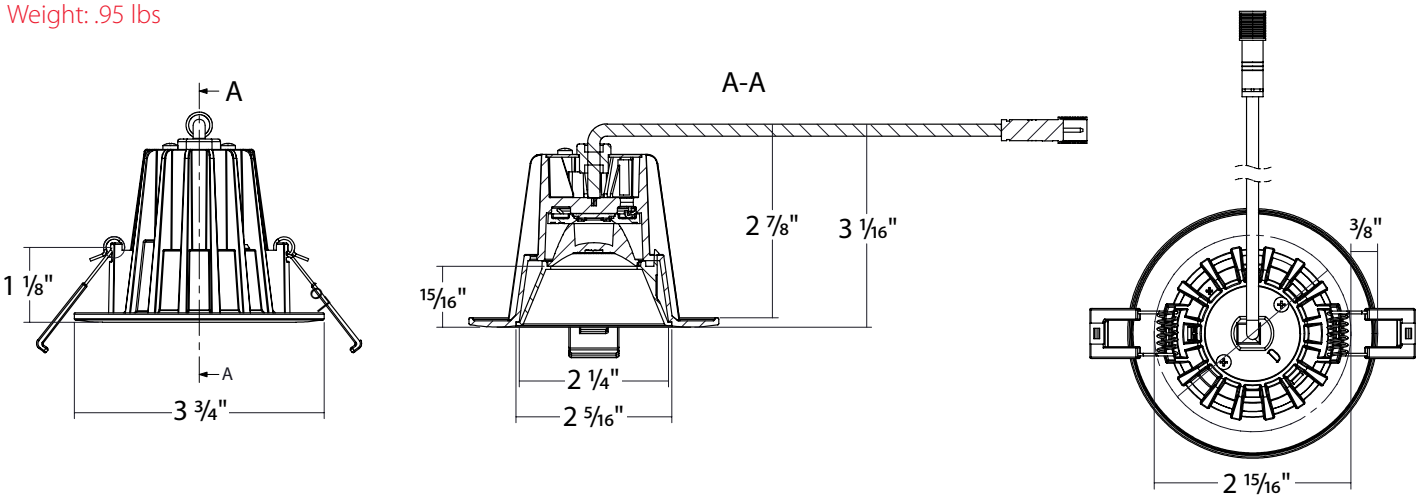
R2
Weight: .74 lbs



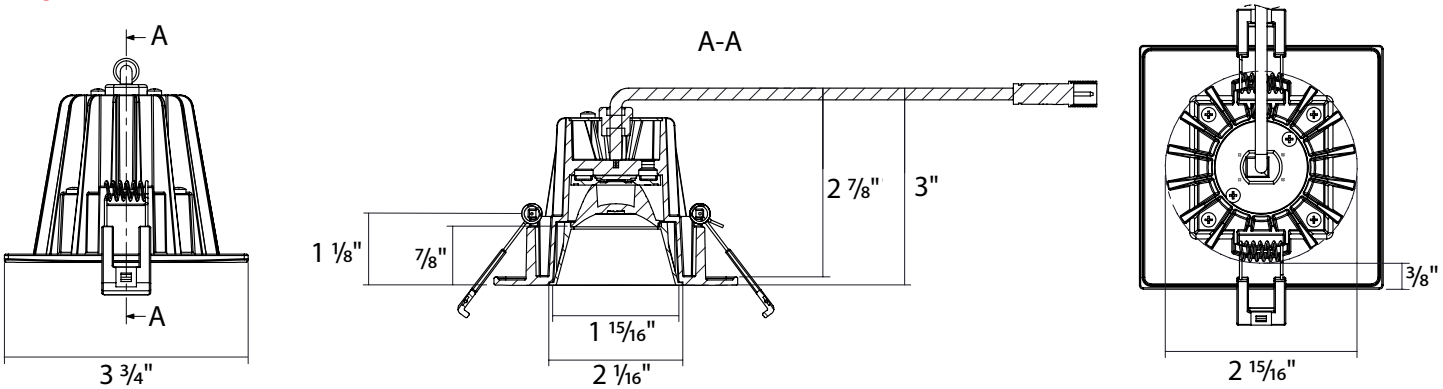
R2S
Weight: .74 lbs



R3-9
Weight: .95 lbs



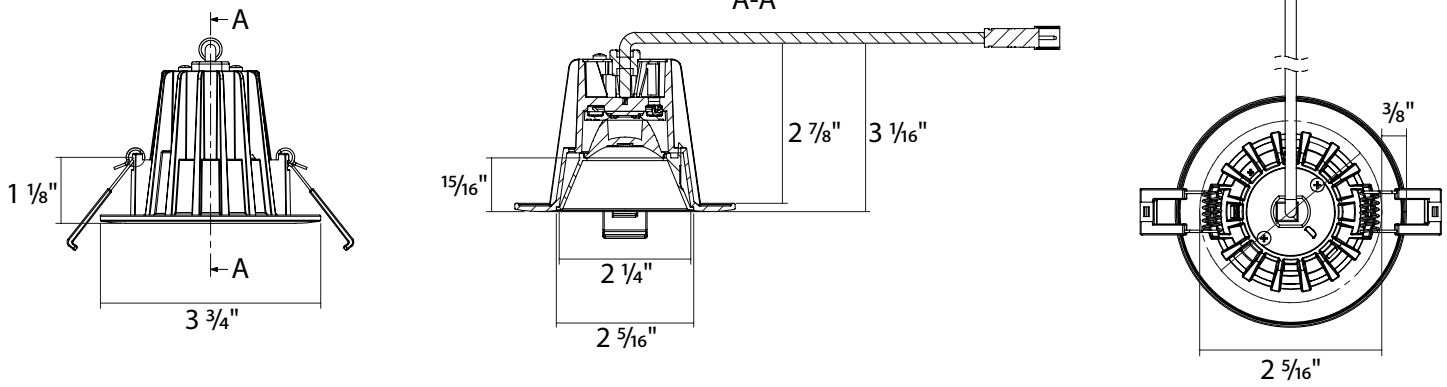
R3S-9
Weight: 1 lb



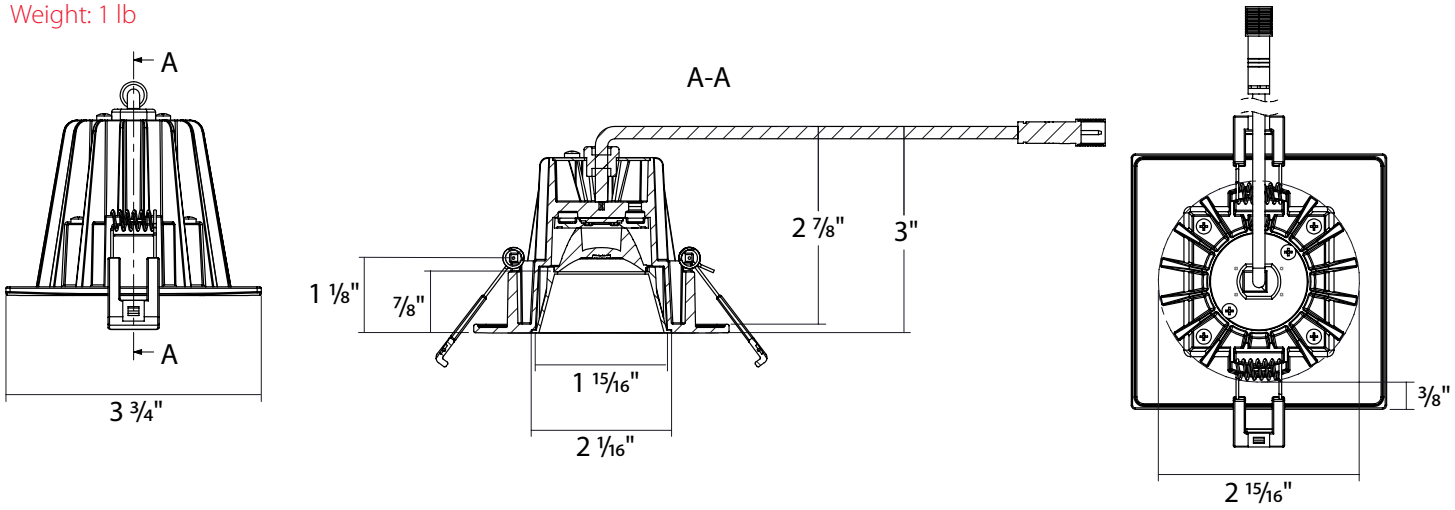
©2026 RAB Lighting Inc. 888 722-1000 rablighting.com

DIMENSIONS *(cont'd)*

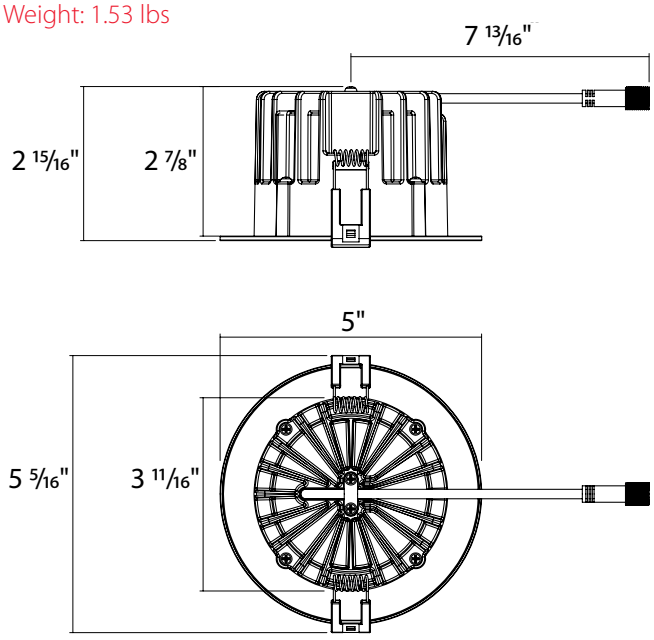
R3-15
Weight: .95 lbs



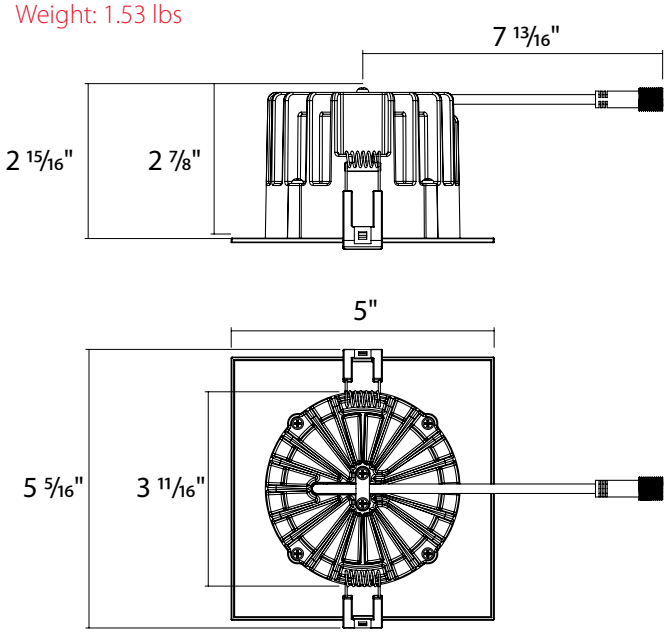
R3S-15
Weight: 1 lb



R4
Weight: 1.53 lbs



R4S
Weight: 1.53 lbs



©2026 RAB Lighting Inc. 888 722-1000 rablighting.com

ACCESSORIES

Extension Cables



Catalog Number	UPC	Description
EXTCBL-6-3P	192552063524	6 ft quick-connect extension cable, 3-pole
EXTCBL-10-3P	192552063531	10 ft quick-connect extension cable, 3-pole
EXTCBL-20-3P	192552063548	20 ft quick-connect extension cable, 3-pole

Emergency Drivers



EMB-9 EMB-15 EMB-25

Catalog Number	UPC	Description
EMB-9	192552051187	9W emergency battery driver, 100-347V, 0-10V dimmable
EMB-15	192552051194	15W emergency battery driver, 100-347V, 0-10V dimmable
EMB-25	192552051200	25W emergency battery driver, 100-347V, 0-10V dimmable

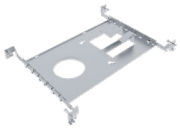
Mounting Plates



DLPLATE-2.5/NB



DLPLATE-3/NB



DLPLATE-4/NB



DLPLATE/WFR3456

Catalog Number	UPC	Description
DLPLATE-2.5/NB	192552063494	2 1/2" mounting plate with nailer bar, 63 mm hole — fits R2-10, R2-10-K, R2S-10, R2S-10-K, R2-15, R2-15-K, R2S-15, R2S-15-K
DLPLATE-3/NB	192552063500	3" mounting plate with nailer bar, 76 mm hole — fits R3-9, R3-9-K, R3-9B, R3S-9, R3S-9-K, R3S-9B, R3-15, R3-15-K, R3-15B, R3S-15, R3S-15-K, R3S-15B
DLPLATE-4/NB	192552063517	4" mounting plate with nailer bar, 105 mm hole — fits R4-22, R4-22-K, R4S-22, R4S-22-K, R4-32, R4-32-K, R4S-32, R4S-32-K
DLPLATE/WFR3456	192552025584	Portfolio mounting plate for wafer 2"/3"/4"/5"/6"

Universal-Voltage Drivers- 120-277V Field Conversion



R2-DRI-9-UNV



R2-DRI-15-UNV



R3-DRI-9-UNV



R3-DRI-15-UNV



R4-DRI-20S-UNV

Catalog Number	UPC	Compatible SKUs in this family
R2-DRI-9-UNV	192552063555	9W universal-voltage remote driver — R2-10, R2-10-K, R2S-10, R2S-10-K
R2-DRI-15-UNV	192552063579	15W universal-voltage remote driver — R2-15, R2-15-K, R2S-15, R2S-15-K
R3-DRI-9-UNV	192552063586	9W universal-voltage remote driver — R3-9, R3-9-K, R3-9B, R3S-9, R3S-9-K, R3S-9B
R3-DRI-15-UNV	192552063609	15W universal-voltage remote driver — R3-15, R3-15-K, R3-15B, R3S-15, R3S-15-K, R3S-15B
R4-DRI-20S-UNV	192552063623	20W universal-voltage remote driver — R4-22, R4-22-K, R4S-22, R4S-22-K

©2026 RAB Lighting Inc. 888 722-1000 rablighting.com

ORDERING INFO

Catalog Number	UPC	Case Pack
R2-10	192552060745	12
R2-10-K	192552060752	12
R2S-10	192552060769	12
R2S-10-K	192552060776	12
R2-15	192552060783	12
R2-15-K	192552060790	12
R2S-15	192552060806	12
R2S-15-K	192552060813	12
R3-9	192552029087	12
R3-9-K	192552060820	12
R3-9B	192552029063	12
R3S-9	192552060844	12
R3S-9-K	192552060868	12
R3S-9B	192552029100	12
R3-15	192552029094	12
R3-15-K	192552060837	12
R3-15B	192552029070	12
R3S-15	192552060851	12
R3S-15-K	192552060875	12
R3S-15B	192552029117	12
R4-22	192552060882	12
R4-22-K	192552060899	12
R4S-22	192552060905	12
R4S-22-K	192552060912	12
R4-32	192552060929	12
R4-32-K	192552060936	12
R4S-32	192552060943	12
R4S-32-K	192552060950	12

©2026 RAB Lighting Inc. 888 722-1000 rablighting.com

Deep-Regress, CCT-Adjustable Downlights

ORDERING MATRIX

Family	Size	Shape		Wattage/Size	Trim		Finish
R			-			-	
R Deep-Regress Recessed	**2** 2″ **3** 3″ **4** 4″	**Blank** Round **S** Square		**9** 9W (3″) **10** 10W (2″) **15** 15W (2″ and 3″) **22** 10/16/22W (4″) **32** 20/26/32W (4″)	**Blank** Smooth **Baffle** Baffle (3″ only)		**Blank** White **K** Black

DIMMER COMPATIBILITY LIST

Dimmer Brand	Catalog Number	Dimmer Type
Lutron	CTCL-153P-WH	Triac
Lutron	DVCL-153P	Triac
Lutron	MACL-153M	Triac
Lutron	LECL-153P	Triac
Lutron	AYCL-153P	Triac
Legrand	HCL453PTCCCV6	Triac
Synergy/Leviton	ISD 600 I 120 / IPI06	Triac
Leviton	6631-PLW	Triac
Leviton	IPL06-10Z	Triac
Leviton	6674-P0W	Triac
RAB	XDIM	ELV/MLV
Leviton	6613-PLA	MLV
Lutron	NLV-600-WH	MLV
Lutron	DVELV-300P-AL	ELV
Lutron	NTELV-300-WH	ELV
Lutron	SELV-300P	ELV
Insteon	2477D	ELV
HUBBELL	RSDE06	ELV
Lutron	PD-6WCL	Wireless
Lutron	PD-5NE	Wireless