CCT-Adjustable, Small-Aperture, Trimless 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
- Trimless aperture — plaster-in for a seamless ceiling with no visible flange
- Deep regress and recessed gimbal versions; recessed gimbal tilts 30°
- Remote driver — no housing, no can, no J-box
- New construction or retrofit applications
- Cut-out template in every box and a quick-connect driver lead
- 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

Trimless deep-regress and recessed gimbal downlights, 2" to 4", round or square, white or black

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

PERFORMANCE

Catalog Numbers	Size	Shape	Finish	Trim	Beam	Tilt	Equivalency	Input Wattage	Lumens	Efficacy
R2TL R2STL R2TLB R2STLB	2"	Round, square	White, black	Trimless	38°	—	60W Incandescent	9W	600 lm	67 lm/W
R3TL R3STL R3TLB R3STLB	3"					—	90W Incandescent	15W	1,250 lm	83 lm/W
R4TL R4STL R4TLB R4STLB	4"					—	125W Incandescent	20W	1,900 lm	95 lm/W
GR2TL GR2STL GR2TLB GR2STLB	2"					30°	40W Incandescent	6W	450 lm	75 lm/W
GR3TL GR3STL GR3TLB GR3STLB	3"					30°	60W Incandescent	9W	750 lm	83 lm/W
GR4TL GR4STL GR4TLB GR4STLB	4"					30°	90W Incandescent	15W	1,250 lm	83 lm/W

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

PHOTOMETRIC

Catalog Number	Wattage	Color Temperature	Lumens	Efficacy	Equivalency
GR3STL	9W	2700K	718 lm	83 lm/W	60W Incandescent
		3000K	757 lm	88 lm/W	
		3500K	793 lm	94 lm/W	
		4000K	820 lm	97 lm/W	
		5000K	831 lm	95 lm/W	
GR3STLB	9W	2700K	704 lm	79 lm/W	60W Incandescent
		3000K	747 lm	85 lm/W	
		3500K	785 lm	91 lm/W	
		4000K	816 lm	95 lm/W	
		5000K	825 lm	93 lm/W	
GR3TL	9W	2700K	701 lm	81 lm/W	60W Incandescent
		3000K	734 lm	86 lm/W	
		3500K	796 lm	95 lm/W	
		4000K	817 lm	97 lm/W	
		5000K	833 lm	97 lm/W	
GR3TLB	9W	2700K	704 lm	81 lm/W	60W Incandescent
		3000K	747 lm	87 lm/W	
		3500K	783 lm	93 lm/W	
		4000K	809 lm	96 lm/W	
		5000K	814 lm	93 lm/W	
GR4STL	15W	2700K	1146 lm	77 lm/W	90W Incandescent
		3000K	1227 lm	84 lm/W	
		3500K	1296 lm	92 lm/W	
		4000K	1342 lm	95 lm/W	
		5000K	1331 lm	89 lm/W	
GR4STLB	15W	2700K	1130 lm	75 lm/W	90W Incandescent
		3000K	1214 lm	82 lm/W	
		3500K	1283 lm	90 lm/W	
		4000K	1331 lm	93 lm/W	
		5000K	1317 lm	87 lm/W	
GR4TL	15W	2700K	1138 lm	79 lm/W	90W Incandescent
		3000K	1227 lm	87 lm/W	
		3500K	1302 lm	95 lm/W	
		4000K	1353 lm	98 lm/W	
		5000K	1336 lm	93 lm/W	
GR4TLB	15W	2700K	1189 lm	81 lm/W	90W Incandescent
		3000K	1190 lm	81 lm/W	
		3500K	1259 lm	88 lm/W	
		4000K	1305 lm	91 lm/W	
		5000K	1289 lm	86 lm/W	

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

PHOTOMETRIC *(cont'd)*

Catalog Number	Wattage	Color Temperature	Lumens	Efficacy	Equivalency
R2STL	9W	2700K	531 lm	58 lm/W	60W Incandescent
		3000K	577 lm	64 lm/W	
		3500K	628 lm	73 lm/W	
		4000K	645 lm	74 lm/W	
		5000K	918 lm	67 lm/W	
R2STLB	9W	2700K	503 lm	56 lm/W	60W Incandescent
		3000K	547 lm	62 lm/W	
		3500K	594 lm	71 lm/W	
		4000K	608 lm	72 lm/W	
		5000K	583 lm	65 lm/W	
R2TL	9W	2700K	564 lm	63 lm/W	60W Incandescent
		3000K	608 lm	69 lm/W	
		3500K	658 lm	78 lm/W	
		4000K	679 lm	75 lm/W	
		5000K	658 lm	73 lm/W	
R2TLB	9W	2700K	516 lm	58 lm/W	60W Incandescent
		3000K	549 lm	63 lm/W	
		3500K	597 lm	70 lm/W	
		4000K	618 lm	82 lm/W	
		5000K	592 lm	66 lm/W	
R3STL	15W	2700K	1089 lm	74 lm/W	90W Incandescent
		3000K	1175 lm	82 lm/W	
		3500K	1240 lm	89 lm/W	
		4000K	1280 lm	91 lm/W	
		5000K	1256 lm	85 lm/W	
R3STLB	15W	2700K	1045 lm	70 lm/W	90W Incandescent
		3000K	1126 lm	77 lm/W	
		3500K	1118 lm	74 lm/W	
		4000K	1230 lm	86 lm/W	
		5000K	1214 lm	81 lm/W	
R3TL	15W	2700K	1133 lm	78 lm/W	90W Incandescent
		3000K	1233 lm	87 lm/W	
		3500K	1302 lm	94 lm/W	
		4000K	1354 lm	98 lm/W	
		5000K	1352 lm	93 lm/W	
R3TLB	15W	2700K	1038 lm	70 lm/W	90W Incandescent
		3000K	1113 lm	77 lm/W	
		3500K	1181 lm	83 lm/W	
		4000K	1232 lm	86 lm/W	
		5000K	1217 lm	82 lm/W	

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

PHOTOMETRIC *(cont'd)*

Catalog Number	Wattage	Color Temperature	Lumens	Efficacy	Equivalency
R4STL	20W	2700K	1675 lm	86 lm/W	125W Incandescent
		3000K	1785 lm	93 lm/W	
		3500K	1890 lm	100 lm/W	
		4000K	1934 lm	101 lm/W	
		5000K	1913 lm	95 lm/W	
R4STLB	20W	2700K	1638 lm	84 lm/W	125W Incandescent
		3000K	1735 lm	91 lm/W	
		3500K	1835 lm	98 lm/W	
		4000K	1876 lm	98 lm/W	
		5000K	1853 lm	93 lm/W	
R4TL	20W	2700K	1767 lm	89 lm/W	125W Incandescent
		3000K	1876 lm	96 lm/W	
		3500K	1995 lm	104 lm/W	
		4000K	2050 lm	105 lm/W	
		5000K	2049 lm	101 lm/W	
R4TLB	20W	2700K	1618 lm	85 lm/W	125W Incandescent
		3000K	1718 lm	91 lm/W	
		3500K	1815 lm	98 lm/W	
		4000K	1853 lm	99 lm/W	
		5000K	1837 lm	94 lm/W	

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

TECHNICAL SPECIFICATIONS

CONSTRUCTION

Product Type
Trimless canless downlight with remote driver junction box

Size
2", 3", 4"

Shape
Round and Square

Trim Style
Trimless Mud in Trim

Enclosure Material
Die-cast heatsink and metal trim

Finish
White or Black

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

INSTALLATION

Remote Driver/Junction Box
Die-formed metal driver & junction box with captive hinged junction box cover. Listed for Maximum of (2) 12AWG through branch circuit conductor suitable for 90° C permitted in box. Easy to wire in 1in/1out (plus ground) applications. (4) conduit pry-outs. (3) quick snap-in connectors for quick and reliable line voltage connections. Integral mounting facilitates direct mounting to building structure or mounting frame.

Mounting
Twist & Lock LED module snaps into fixture trim from below the ceiling

ELECTRICAL

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

Driver
Constant Current, Class 2

Input Voltage
120V

Operating Frequency
60 Hz

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

THD
≤25%

Power Factor
≥0.9

Flicker
≤30%

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.

LED CHARACTERISTICS

Beam Angle
38°

Tilt
30° for gimbal models

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

Color Accuracy (CRI)
>90

R9 Value
High color performance with R9 greater than 50

Color Consistency
<4-step (2700K & 5000K); <7-step (3000/3500/4000K) 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.

COMPLIANCE

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 Certified
Yes

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).

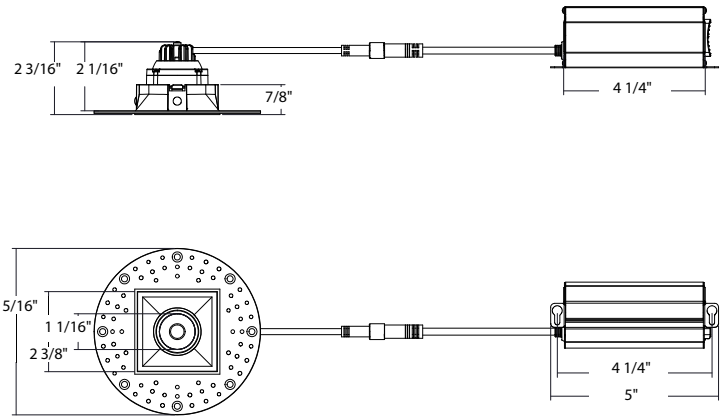
IESNA LM-79 & LM80 Testing
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

RoHS
Mercury and UV free. RoHS-compliant components.

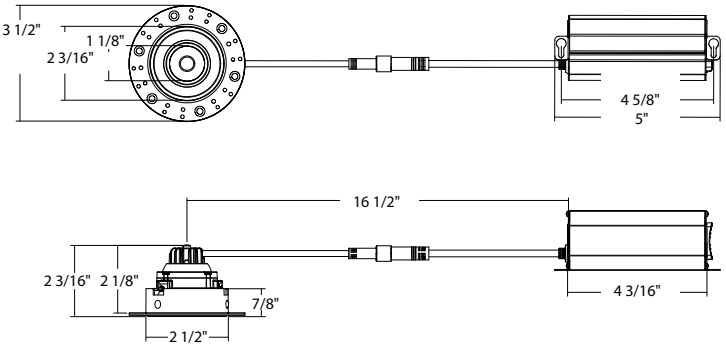
FCC
Complies with Part 15 of the FCC Rules

DIMENSIONS

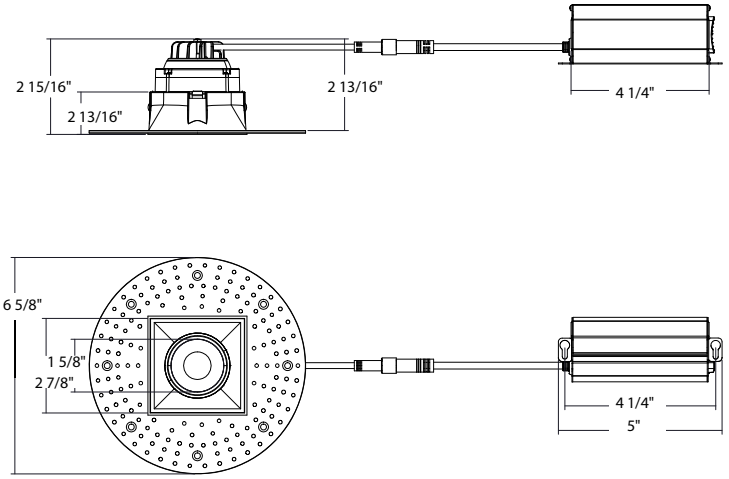
GR2STL/ GR2STLB
Weight: 0.69 lbs



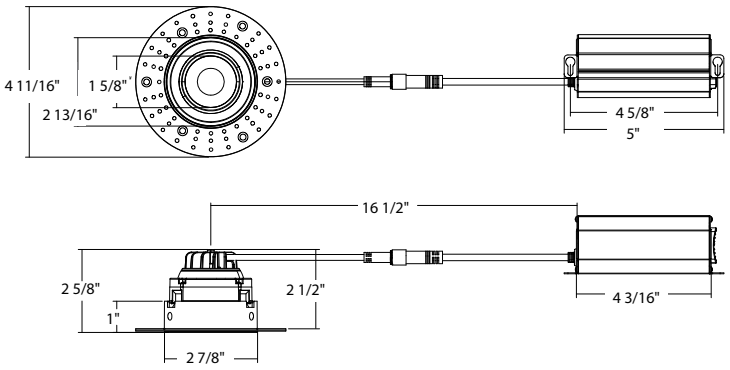
GR2TL/ GR2TLB
Weight: 0.61 lbs



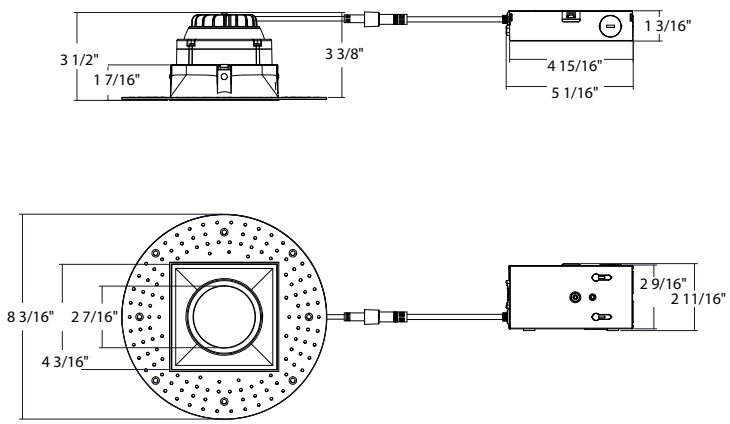
GR3STL/ GR3STLB
Weight: 1.01 lbs



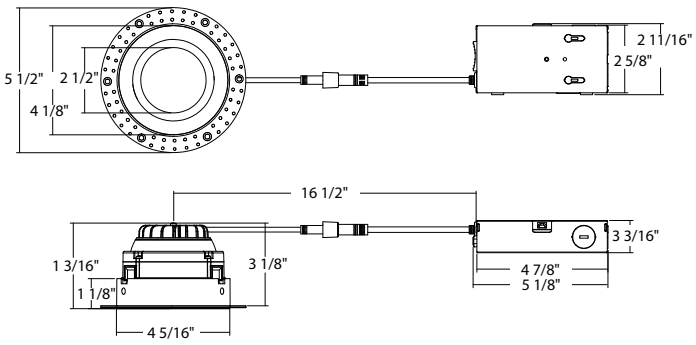
GR3TL/ GR3TLB
Weight: 0.81 lbs



GR4STL/ GR4STLB
Weight: 2.00 lbs



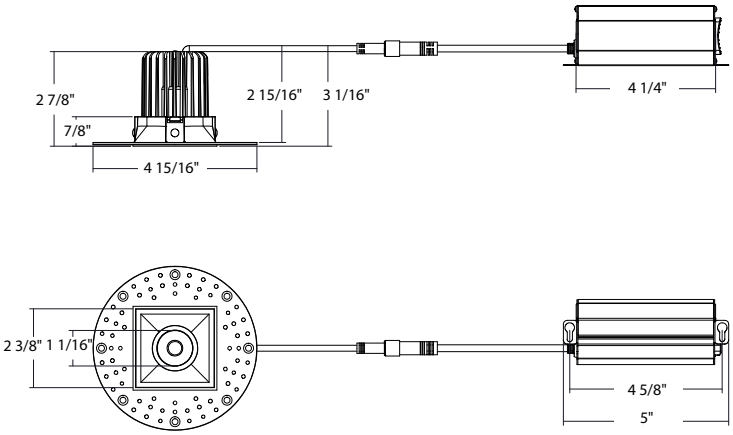
GR4TL/ GR4TLB
Weight: 1.73 lbs



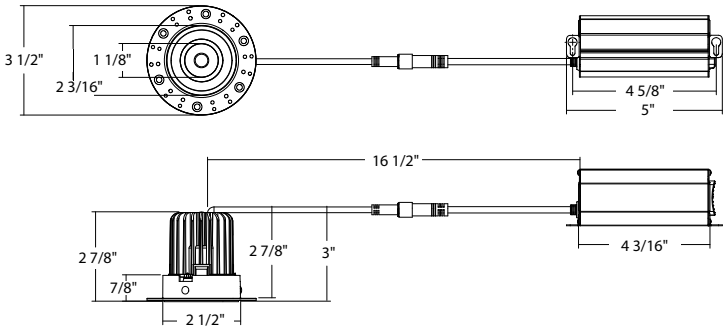
©2026 RAB Lighting Inc. 888 722-1000 rablighting.com

DIMENSIONS *(cont'd)*

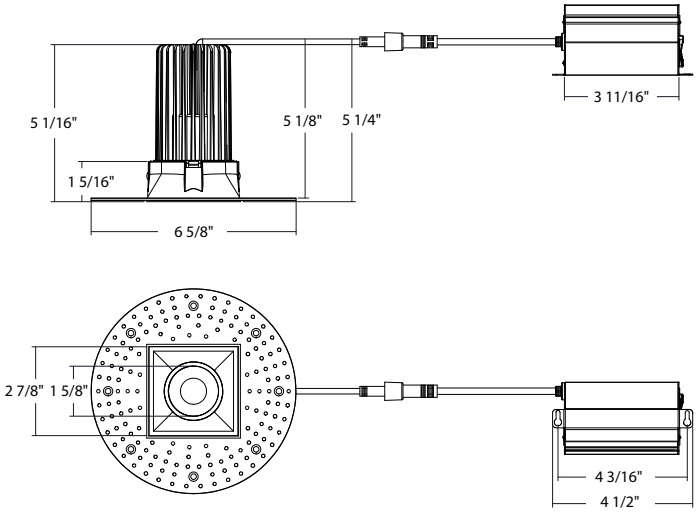
R2STL/ R2STLB
Weight: 0.85 lbs



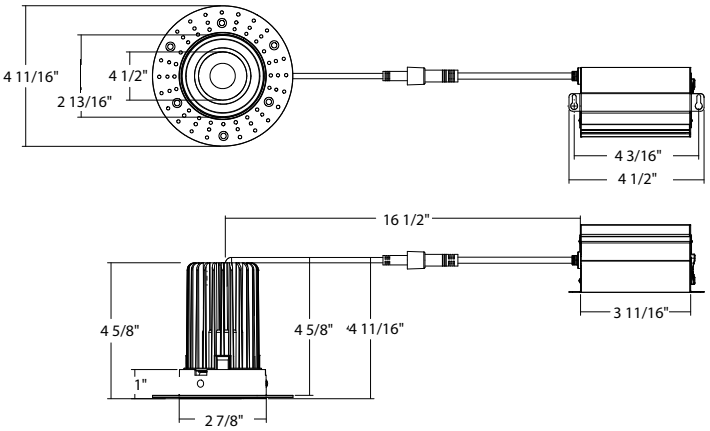
R2TL/ R2TLB
Weight: 0.78 lbs



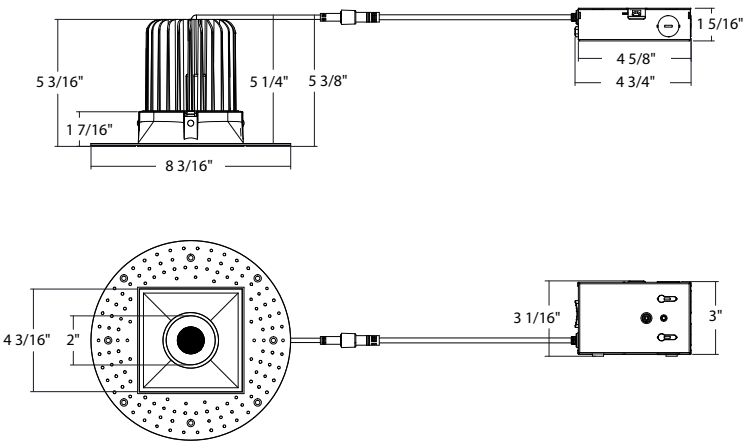
R3STL/ R3STLB
Weight: 1.66 lbs



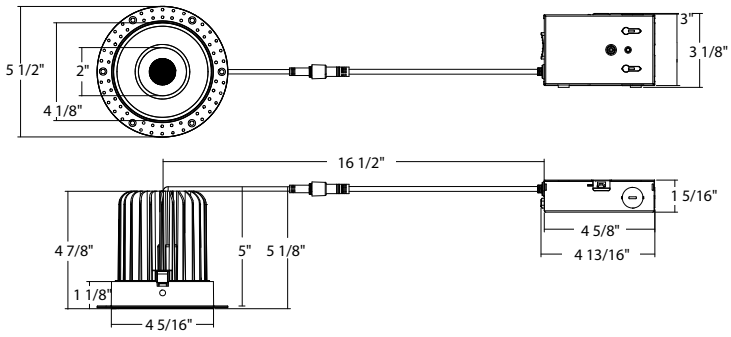
R3TL/ R3TLB
Weight: 1.40 lbs



R4STL/ R4STLB
Weight: 2.82 lbs



R4TL/ R4TLB
Weight: 2.44 lbs



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

Mounting Plates



DLPLATE-2/NB



DLPLATE-3/NB



DLPLATE-4/NB



DLPLATE/WFR3456

Catalog Number	UPC	Description
DLPLATE-2/NB	192552063487	2" mounting plate with nailer bar, 51 mm hole — fits GR2TL, GR2TLB, GR2STL, GR2STLB
DLPLATE-2.5/NB	192552063494	2 1/2" mounting plate with nailer bar, 63 mm hole — fits R2TL, R2TLB, R2STL, R2STLB
DLPLATE-3/NB	192552063500	3" mounting plate with nailer bar, 76 mm hole — fits R3TL, R3TLB, R3STL, R3STLB, GR3TL, GR3TLB, GR3STL, GR3STLB
DLPLATE-4/NB	192552063517	4" mounting plate with nailer bar, 105 mm hole — fits R4TL, R4TLB, R4STL, R4STLB, GR4TL, GR4TLB, GR4STL, GR4STLB
DLPLATE/WFR3456	192552025584	Portfolio mounting plate for wafer 2"/3"/4"/5"/6". Circular knockouts Ø2", Ø3", Ø4-5/16", Ø5-5/16", Ø6-5/16". Plate 26 x 8 1/16"; maximum stud spacing 25".

Universal-voltage drivers- 120-277V field conversion



R2-DRI-9-UNV



R3-DRI-15-UNV

Catalog Number	UPC	Compatible SKUs in this family
R2-DRI-9-UNV	192552063555	9W universal-voltage remote driver, TRIAC and 0-10V dimming — fits GR3TL, GR3TLB, GR3STL, GR3STLB
R2-DRI-15-UNV	192552063579	15W universal-voltage remote driver, TRIAC and 0-10V dimming — fits R3TL, R3TLB, R3STL, R3STLB
R3-DRI-15-UNV	192552063609	15W universal-voltage remote driver, TRIAC and 0-10V dimming — fits GR4TL, GR4TLB, GR4STL, GR4STLB
R4-DRI-20S-UNV	192552063623	20W universal-voltage remote driver, TRIAC and 0-10V dimming — fits R4TL, R4TLB, R4STL, R4STLB

Emergency battery drivers — 90 minutes of egress light

Catalog Number	UPC	Compatible SKUs in this family
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

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

ORDERING INFO

Catalog Number	UPC	Case Pack
GR2TL	192552033879	12
GR2TLB	192552033886	12
GR2STL	192552033893	12
GR2STLB	192552033909	12
GR3TL	192552033916	12
GR3TLB	192552033923	12
GR3STL	192552033930	12
GR3STLB	192552033947	12
GR4TL	192552033954	6
GR4TLB	192552033961	6
GR4STL	192552033978	6
GR4STLB	192552033985	6
R2TL	192552033756	12
R2TLB	192552033763	12
R2STL	192552033770	12
R2STLB	192552033787	12
R3TL	192552033794	12
R3TLB	192552033800	12
R3STL	192552033817	12
R3STLB	192552033824	12
R4TL	192552033831	6
R4TLB	192552033848	6
R4STL	192552033855	6
R4STLB	192552033862	6

ORDERING MATRIX

Family	Size/ Wattage	Shape	Trim	Finish
G			TL	
R Deep Regress GR Recessed Gimbal	2 2″ 3 3″ 4 4″	Blank Round S Square	TL Trimless	Blank White B Black

DIMMER COMPATIBILITY LIST

GR2TL
GR2STL

Visit www.rablighting.com for periodic updates to this list or contact us at 888-722-1000 for questions or comments.

Dimmers		Lamp Quantities			
Dimmer Brand	Dimmer Model	1	4	6	10
RAB	XDIM	✓	✓	✓	✓
RAB	XDIM/LCB	✓	✓	✓	✓
Lutron	CTCL-153P-WH	✓	✓	✓	✓
Lutron	S2-LH	✓	✓	✓	✓
Lutron	DV-600P	✓	✓	✓	✓
Lutron	DV-603P-LA	✓	✓	✓	✓
Lutron	CT-603P(R)-WH	✓	✓	✓	✓
Lutron	DVCL-153P	✓	✓	✓	✓
HUBBELL	RSDL06	✓	✓	✓	✓
Leviton	IPI06	✓	✓	✓	✓
Leviton	6633-PA	✓	✓	✓	✓
Leviton	6631-PLW	✓	✓	✓	✓
Leviton	IPL06-10Z	✓	✓	✓	✓
Leviton	6674-P0W	✓	✓	✓	✓
Leviton	DSM10-1LZ	✓	✓	✓	✓
Leviton	6613-PLA	✓	✓	✓	✓
Lutron	NLV-600-WH	✓	✓	✓	✓
Lutron	DVELV-300P-AL	✓	✓	✓	✓
Lutron	NTELV-300-WH	✓	✓	✓	✓
Lutron	SELV-300P	✓	✓	✓	✓
Insteon	2477D	✓	✓	✓	✓
HUBBELL	RSDE06	✓	✓	✓	✓
Lutron	PD-6WCL	✓	✓	✓	✓
Lutron	PD-5NE	✓	✓	✓	✓

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

DIMMER COMPATIBILITY LIST

R2TL
GR3TL

Visit www.rablighting.com for periodic updates to this list or contact us at 888-722-1000 for questions or comments.

Dimmers		Lamp Quantities			
Dimmer Brand	Dimmer Model	1	4	8	10
RAB	XDIM	✓	✓	✓	✓
RAB	XDIM/LCB	✓	✓	✓	✓
Lutron	CTCL-153P-WH	✓	✓	✓	✓
Lutron	DV-600P	✓	✓	✓	✓
Lutron	DVCL-153P	✓	✓	✓	✓
HUBBELL	RSDL06	✓	✓	✓	✓
Legrand	HCL453PTCCCV6	✓	✓	✓	✓
Leviton	IPI06	✓	✓	✓	✓
Leviton	6633-PA	✓	✓	✓	✓
Leviton	6631-PLW	✓	✓	✓	✓
Leviton	IPL06-10Z	✓	✓	✓	✓
Leviton	6674-P0W	✓	✓	✓	✓
Leviton	6613-PLA	✓	✓	✓	✓
Lutron	NLV-600-WH	✓	✓	✓	✓
Lutron	DVELV-300P-AL	✓	✓	✓	✓
Lutron	NTELV-300-WH	✓	✓	✓	✓
Lutron	SELV-300P	✓	✓	✓	✓
Insteon	2477D	✓	✓	✓	✓
HUBBELL	RSDE06	✓	✓	✓	✓
Lutron	PD-6WCL	✓	✓	✓	✓
Lutron	PD-5NE	✓	✓	✓	✓

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

DIMMER COMPATIBILITY LIST

R3TL GR4TL
GR4STL

Visit www.rablighting.com for periodic updates to this list or contact us at 888-722-1000 for questions or comments.

Dimmers		Lamp Quantities			
Dimmer Brand	Dimmer Model	1	4	6	10
RAB	XDIM	✓	✓	✓	✓
RAB	XDIM/LCB	✓	✓	✓	✓
Lutron	CTCL-153P-WH	✓	✓	✓	✓
Lutron	DV-600P	✓	✓	✓	✓
Lutron	DVCL-153P	✓	✓	✓	✓
HUBBELL	RSDL06	✓	✓	✓	✓
Legrand	HCL453PTCCCV6	✓	✓	✓	✓
Leviton	IPI06	✓	✓	✓	✓
Leviton	6633-PA	✓	✓	✓	✓
Leviton	6631-PLW	✓	✓	✓	✓
Leviton	IPL06-10Z	✓	✓	✓	✓
Leviton	6674-P0W	✓	✓	✓	✓
Leviton	DSM10-1LZ	✓	✓	✓	✓
Leviton	6613-PLA	✓	✓	✓	✓
Lutron	NLV-600-WH	✓	✓	✓	✓
Lutron	DVELV-300P-AL	✓	✓	✓	✓
Lutron	NTELV-300-WH	✓	✓	✓	✓
Lutron	SELV-300P	✓	✓	✓	✓
Insteon	2477D	✓	✓	✓	✓
HUBBELL	RSDE06	✓	✓	✓	✓
Lutron	PD-6WCL	✓	✓	✓	✓
Lutron	PD-5NE	✓	✓	✓	✓

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

DIMMER COMPATIBILITY LIST

R4TL

Visit www.rablighting.com for periodic updates to this list or contact us at 888-722-1000 for questions or comments.

Dimmers		Lamp Quantities			
Dimmer Brand	Dimmer Model	1	4	6	8
RAB	XDIM	✓	✓	✓	✓
RAB	XDIM/LCB	✓	✓	✓	✓
Lutron	CTCL-153P-WH	✓	✓	✓	✓
Lutron	DVCL-153P	✓	✓	✓	✓
HUBBELL	RSDL06	✓	✓	✓	✓
Leviton	IPI06	✓	✓	✓	✓
Leviton	6633-PA	✓	✓	✓	✓
Leviton	6631-PLW	✓	✓	✓	✓
Leviton	IPL06-10Z	✓	✓	✓	✓
Leviton	6674-P0W	✓	✓	✓	✓
Leviton	6613-PLA	✓	✓	✓	✓
Lutron	DVELV-300P-AL	✓	✓	✓	✓
Lutron	NTELV-300-WH	✓	✓	✓	✓
Lutron	SELV-300P	✓	✓	✓	✓
Insteon	2477D	✓	✓	✓	✓
HUBBELL	RSDE06	✓	✓	✓	✓
Lutron	PD-6WCL	✓	✓	✓	✓
Lutron	PD-5NE	✓	✓	✓	✓

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