Recessed Gimbal CCT-Adjustable Downlights



Recessed gimbal downlights, 2″ to 4″, round or square, 30° tilt, narrow beam in 2″, white or black

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

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 Listed US Intertek

KEY FEATURES

- Field-adjustable color temperature — 2700/3000/3500/4000/5000K at 90 CRI
- Regressed gimbal aperture — 30° tilt with the source set back for lower glare
- Remote driver — no housing, no can, no J-box; fixture depth from 1 7/8″
- 20° narrow beam available in 2" round
- 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

PERFORMANCE

Catalog Numbers	Size	Shape	Finish	Trim	Beam	Tilt	Equivalency	Input Wattage	Lumens	Efficacy
GR2 GR2S GR2-K GR2S-K	2"	Round, Square	White, Black	Smooth	38°	30°	50W Incandescent	6W	456 lm	78 lm/W
GR2NB		Round	White		20°				423 lm	75 lm/W
GR3 GR3S GR3-K GR3S-K	3"	Round, Square	White, Black		38°		65W Incandescent	9W	740 lm	91 lm/W
GR4 GR4S GR4-K GR4S-K	4"						125W Incandescent	15W	1,268 lm	95 lm/W

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Recessed Gimbal CCT-Adjustable Downlights

PHOTOMETRIC

Catalog Number	Wattage	Color Temperature	Lumens	Efficacy	Equivalency
GR2	6W	2700K	367 lm	61 lm/W	50W Incandescent
		3000K	404 lm	69 lm/W	
		3500K	425 lm	74 lm/W	
		4000K	434 lm	75 lm/W	
		5000K	424 lm	71 lm/W	
GR2NB	6W	2700K	359 lm	62 lm/W	50W Incandescent
		3000K	395 lm	69 lm/W	
		3500K	415 lm	75 lm/W	
		4000K	423 lm	75 lm/W	
		5000K	412 lm	71 lm/W	
GR2-K	6W	2700K	392 lm	65 lm/W	50W Incandescent
		3000K	419 lm	71 lm/W	
		3500K	448 lm	77 lm/W	
		4000K	466 lm	80 lm/W	
		5000K	466 lm	77 lm/W	
GR2S	6W	2700K	405 lm	67 lm/W	50W Incandescent
		3000K	433 lm	73 lm/W	
		3500K	462 lm	79 lm/W	
		4000K	480 lm	82 lm/W	
		5000K	478 lm	79 lm/W	
GR2S-K	6W	2700K	383 lm	64 lm/W	50W Incandescent
		3000K	410 lm	69 lm/W	
		3500K	439 lm	76 lm/W	
		4000K	457 lm	78 lm/W	
		5000K	455 lm	75 lm/W	
GR3	9W	2700K	647 lm	76 lm/W	65W Incandescent
		3000K	691 lm	82 lm/W	
		3500K	731 lm	88 lm/W	
		4000K	751 lm	91 lm/W	
		5000K	765 lm	89 lm/W	
GR3-K	9W	2700K	667 lm	79 lm/W	65W Incandescent
		3000K	705 lm	85 lm/W	
		3500K	735 lm	90 lm/W	
		4000K	769 lm	94 lm/W	
		5000K	782 lm	92 lm/W	
GR3S	9W	2700K	670 lm	79 lm/W	65W Incandescent
		3000K	710 lm	85 lm/W	
		3500K	738 lm	90 lm/W	
		4000K	767 lm	94 lm/W	
		5000K	790 lm	93 lm/W	

PHOTOMETRIC *(cont'd)*

Catalog Number	Wattage	Color Temperature	Lumens	Efficacy	Equivalency
GR3S-K	9W	2700K	644 lm	76 lm/W	65W Incandescent
		3000K	680 lm	82 lm/W	
		3500K	712 lm	87 lm/W	
		4000K	740 lm	91 lm/W	
		5000K	755 lm	89 lm/W	
GR4	15W	2700K	1,023 lm	72 lm/W	125W Incandescent
		3000K	1,106 lm	80 lm/W	
		3500K	1,185 lm	88 lm/W	
		4000K	1,218 lm	89 lm/W	
		5000K	1,204 lm	85 lm/W	
GR4-K	15W	2700K	1,085 lm	77 lm/W	125W Incandescent
		3000K	1,171 lm	85 lm/W	
		3500K	1,242 lm	93 lm/W	
		4000K	1,290 lm	97 lm/W	
		5000K	1,284 lm	91 lm/W	
GR4S	15W	2700K	1,083 lm	77 lm/W	125W Incandescent
		3000K	1,169 lm	85 lm/W	
		3500K	1,238 lm	93 lm/W	
		4000K	1,281 lm	96 lm/W	
		5000K	1,279 lm	91 lm/W	
GR4S-K	15W	2700K	1,074 lm	76 lm/W	125W Incandescent
		3000K	1,157 lm	84 lm/W	
		3500K	1,226 lm	92 lm/W	
		4000K	1,268 lm	95 lm/W	
		5000K	1,269 lm	90 lm/W	

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TECHNICAL SPECIFICATIONS

CONSTRUCTION

Product Type
Recessed gimbal downlight

Size
2", 3", 4"

Shape
Round, Square

Trim Style:
Smooth

Enclosure Material
Metal

Finish
White, black powder coat

Lens
TIR Optic

Remote Driver Box
Steel enclosure with removable cover and four pry-out knockouts. 4 1/4 x 5 x 2" on 2" and 3" models; 4 15/16 x 2 1/2 x 1 3/16" on 4" 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.

LIGHT OUTPUT

CRI
90, R9 >50

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

Color Consistency
5-step MacAdam Ellipse *(SDCM 5)*

Beam Angle
38°; 20° on GR2NB

Tilt
30°

Lifespan
50,000 hours L70

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.

ELECTRICAL

Input Voltage
120V; 120-277V 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
Constant Current, Class 2

Input Current
GR2 0.051A · GR3 0.070A · GR4 0.113A, 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)*

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

Air-Tight
Housing certified Air Tight as per ASTM E283

Buy American
Not BAA compliant

OTHER

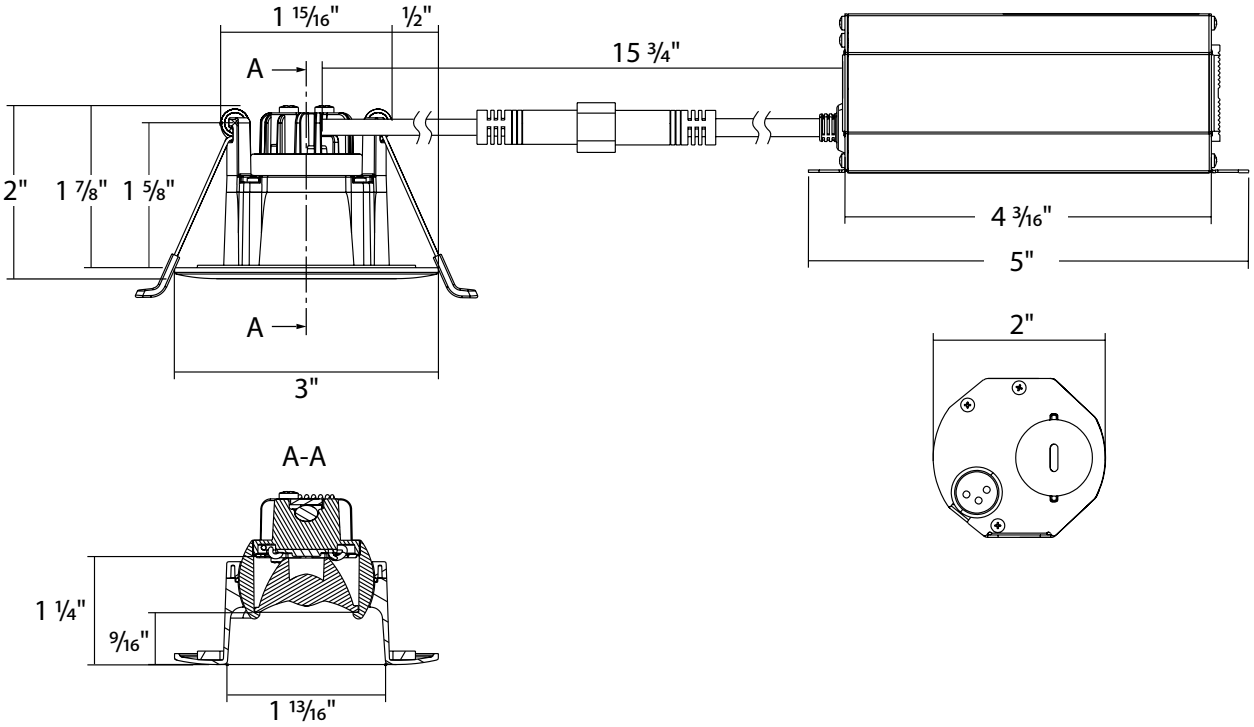
Warranty
5 years. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty

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DIMENSIONS

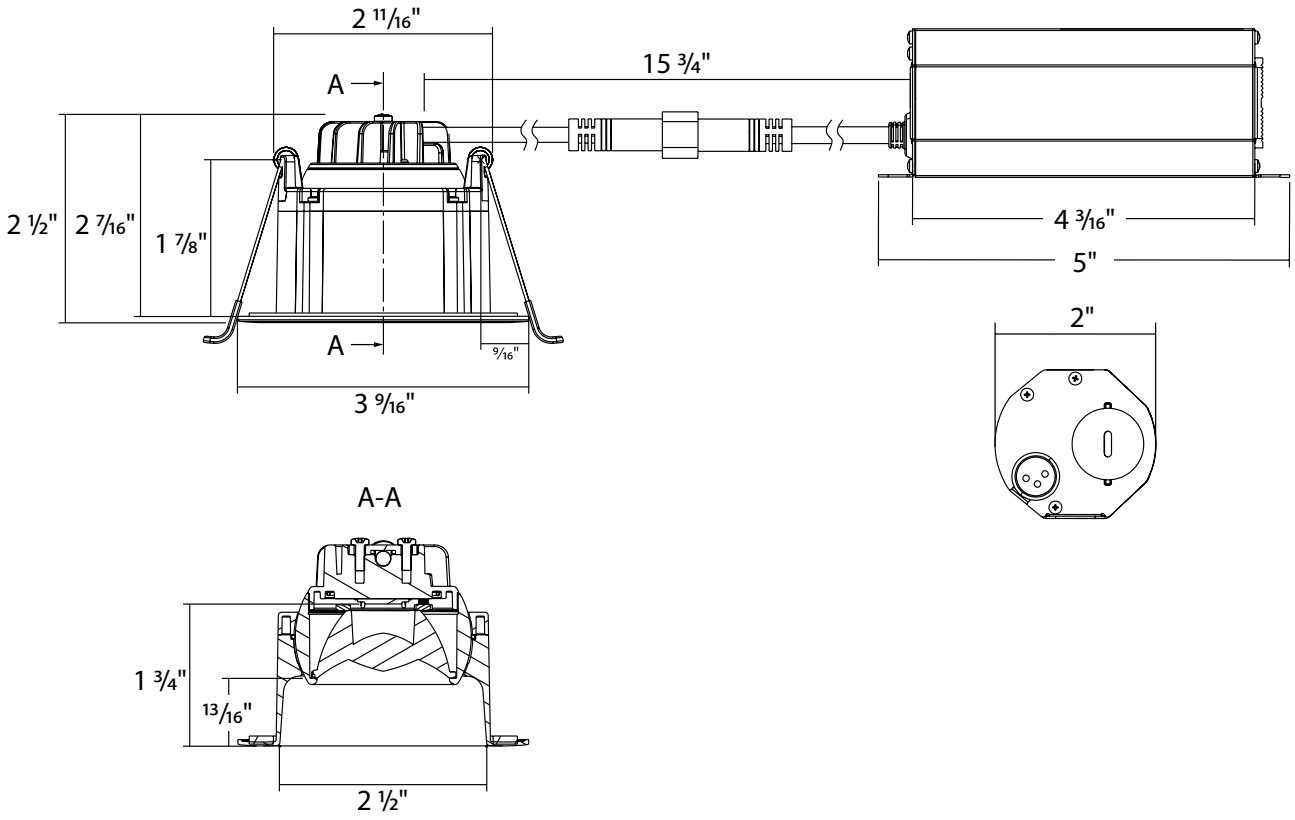
GR2

Weight: 0.505 lbs



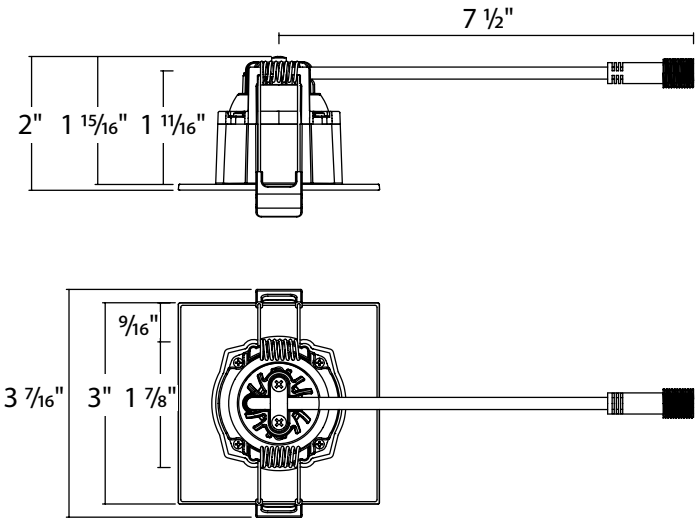
Gr3

Weight: 0.861 lbs

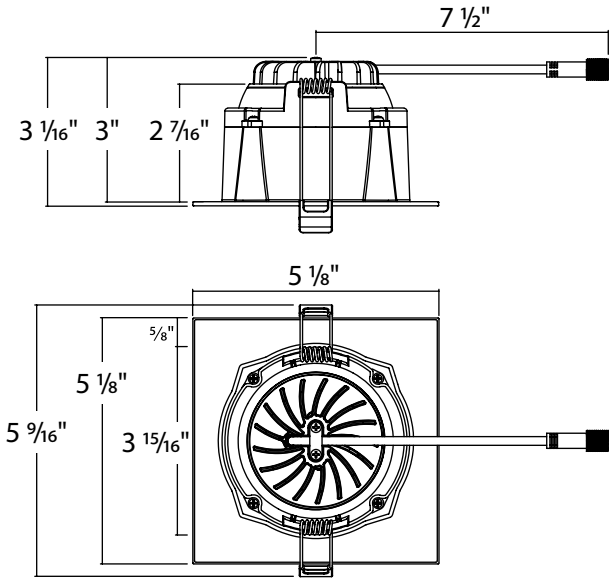


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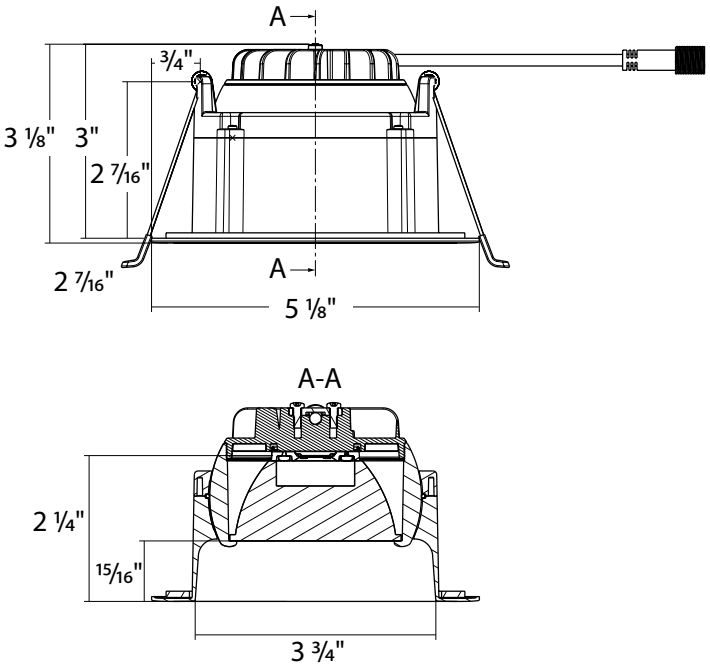
GR2S
Weight: 0.611 lbs



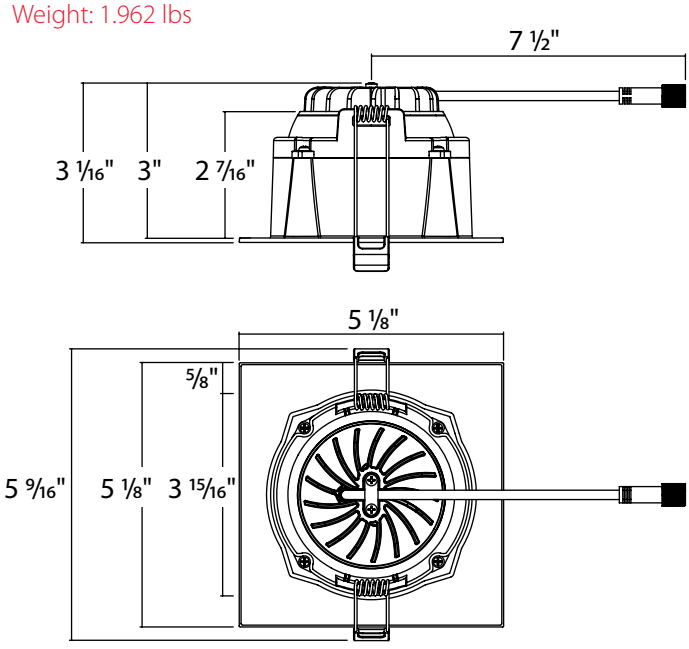
GR3S
Weight: 0.886 lbs



Gr4
Weight: 1.477 lbs



GR4S
Weight: 1.962 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

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/NB



DLPLATE-3/NB



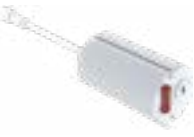
DLPLATE-4/NB



DLPLATE/WFR3456

Catalog Number	UPC	Description
DLPLATE-2/NB	192552063487	2" mounting plate with nailer bar, 51 mm hole — fits G2, G2-K, G2S, G2S-K, G2NB
DLPLATE-3/NB	192552063500	3" mounting plate with nailer bar, 76 mm hole — fits G3, G3-K, G3S, G3S-K
DLPLATE-4/NB	192552063517	4" mounting plate with nailer bar, 105 mm hole — fits G4, G4-K, G4S, G4S-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



R3-DRI-15-UNV

Catalog Number	UPC	Compatible SKUs in this family
R2-DRI-9-UNV	192552063555	9W universal-voltage remote driver — GR3, GR3-K, GR3S, GR3S-K
R3-DRI-15-UNV	192552063609	15W universal-voltage remote driver, TRIAC and 0-10V dimming — fits GR4, GR4-K, GR4S, GR4S-K

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Recessed Gimbal CCT-Adjustable Downlights

ORDERING INFO

Catalog Number	UPC	Case Pack
GR2	192552029162	12
GR2NB	192552029179	12
GR2-K	192552061056	12
GR2S	192552061087	12
GR2S-K	192552061117	12
GR3	192552029186	12
GR3-K	192552061063	12
GR3S	192552061094	12
GR3S-K	192552061124	12
GR4	192552029193	12
GR4-K	192552061070	12
GR4S	192552061100	12
GR4S-K	192552061131	12

ORDERING MATRIX

Family	Size/ Wattage	Shape	Beam		Finish
G				-	
GR Recessed Gimbal	2 2″ (6W) 3 3″ (9W) 4 4″ (15W)	Blank Round S Square	Blank 38° NB 20° (2″ round only)		Blank White K Black

DIMMER COMPATIBILITY LIST

Dimmer Brand	Catalog Number	Dimmer Type
Lutron	CTCL-153P-WH	Triac
Lutron	DV-603P-LA	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

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