CCT-Adjustable Gimbal Downlights



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 US Intertek

KEY FEATURES

- Field-adjustable color temperature — 2700/3000/3500/4000/5000K at 90 CRI
- 30° tilt with the source set back for lower glare
- Remote driver — no housing, no can, no J-box; fixture depth from 1 1/4"
- 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 Number	Size	Shape	Finish	Trim	Beam	Tilt	Equivalency	Input Wattage	Lumens	Efficacy
G2 G2S G2-K G2S-K	2"	Round, Square	White, Black	Smooth	38°	30°	50W Incandescent	6W	492 lm	85 lm/W
G2NB		Round	White		20°				436 lm	75 lm/W
G3 G3S G3-K G3S-K	3"	Round, Square	White, Black		38°		65W Incandescent	9W	794 lm	97 lm/W
G4 G4S G4-K G4S-K	4"						125W Incandescent	15W	1,299 lm	97 lm/W

CCT-Adjustable Gimbal Downlights

PHOTOMETRIC

Catalog Number	Wattage	Color Temperature	Lumens	Efficacy	Equivalency
G2	6W	2700K	373 lm	62 lm/W	50W Incandescent
		3000K	411 lm	70 lm/W	
		3500K	434 lm	76 lm/W	
		4000K	443 lm	77 lm/W	
		5000K	433 lm	72 lm/W	
G2NB	6W	2700K	367 lm	61 lm/W	50W Incandescent
		3000K	405 lm	69 lm/W	
		3500K	427 lm	74 lm/W	
		4000K	436 lm	75 lm/W	
		5000K	427 lm	71 lm/W	
G2-K	6W	2700K	415 lm	69 lm/W	50W Incandescent
		3000K	444 lm	75 lm/W	
		3500K	475 lm	82 lm/W	
		4000K	493 lm	85 lm/W	
		5000K	491 lm	82 lm/W	
G2S	6W	2700K	414 lm	69 lm/W	50W Incandescent
		3000K	443 lm	75 lm/W	
		3500K	474 lm	82 lm/W	
		4000K	493 lm	85 lm/W	
		5000K	493 lm	82 lm/W	
G2S-K	6W	2700K	413 lm	69 lm/W	50W Incandescent
		3000K	443 lm	75 lm/W	
		3500K	473 lm	82 lm/W	
		4000K	492 lm	85 lm/W	
		5000K	489 lm	81 lm/W	
G3	9W	2700K	695 lm	79 lm/W	65W Incandescent
		3000K	743 lm	86 lm/W	
		3500K	788 lm	93 lm/W	
		4000K	810 lm	95 lm/W	
		5000K	822 lm	94 lm/W	
G3-K	9W	2700K	694 lm	82 lm/W	65W Incandescent
		3000K	733 lm	88 lm/W	
		3500K	771 lm	94 lm/W	
		4000K	796 lm	98 lm/W	
		5000K	819 lm	97 lm/W	
G3S	9W	2700K	690 lm	82 lm/W	65W Incandescent
		3000K	728 lm	88 lm/W	
		3500K	764 lm	93 lm/W	
		4000K	794 lm	97 lm/W	
		5000K	819 lm	97 lm/W	

PHOTOMETRIC *(cont'd)*

Catalog Number	Wattage	Color Temperature	Lumens	Efficacy	Equivalency
G3S-K	9W	2700K	689 lm	82 lm/W	65W Incandescent
		3000K	728 lm	88 lm/W	
		3500K	764 lm	93 lm/W	
		4000K	796 lm	98 lm/W	
		5000K	815 lm	96 lm/W	
G4	15W	2700K	1,054 lm	73 lm/W	125W Incandescent
		3000K	1,150 lm	82 lm/W	
		3500K	1,234 lm	90 lm/W	
		4000K	1,270 lm	92 lm/W	
		5000K	1,251 lm	87 lm/W	
G4-K	15W	2700K	1,103 lm	78 lm/W	125W Incandescent
		3000K	1,190 lm	87 lm/W	
		3500K	1,261 lm	94 lm/W	
		4000K	1,306 lm	98 lm/W	
		5000K	1,315 lm	93 lm/W	
G4S	15W	2700K	1,102 lm	78 lm/W	125W Incandescent
		3000K	1,189 lm	86 lm/W	
		3500K	1,263 lm	95 lm/W	
		4000K	1,299 lm	97 lm/W	
		5000K	1,306 lm	92 lm/W	
G4S-K	15W	2700K	1,103 lm	78 lm/W	125W Incandescent
		3000K	1,189 lm	86 lm/W	
		3500K	1,260 lm	94 lm/W	
		4000K	1,304 lm	98 lm/W	
		5000K	1,312 lm	93 lm/W	

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TECHNICAL SPECIFICATIONS

CONSTRUCTION

Product Type
Gimbal downlight

Size
2", 3", 4"

Shape
Round, square

Trim Style
Smooth

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 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

Color Accuracy (CRI)
90, R9 >50

Color Temperature
Field-adjustable 2700K/3000K/3500K/4000K/5000K

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

Beam Angle
38°; 20° on G2NB

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
Remote, Class 2, constant current

Input Current
G2 0.051A · G3 0.070A · G4 0.113A, measured at 120V

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

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

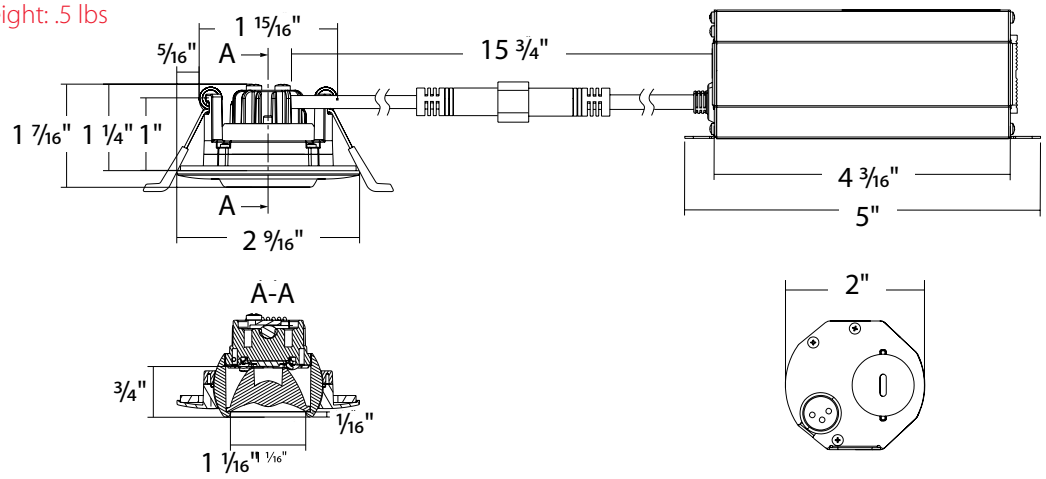
OTHER

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

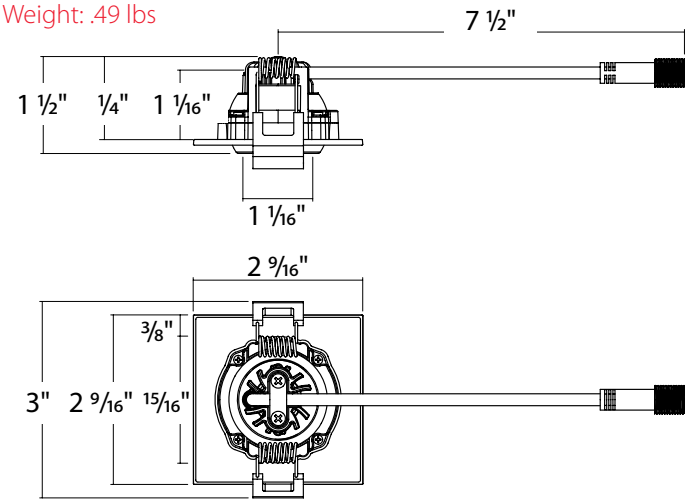
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DIMENSIONS

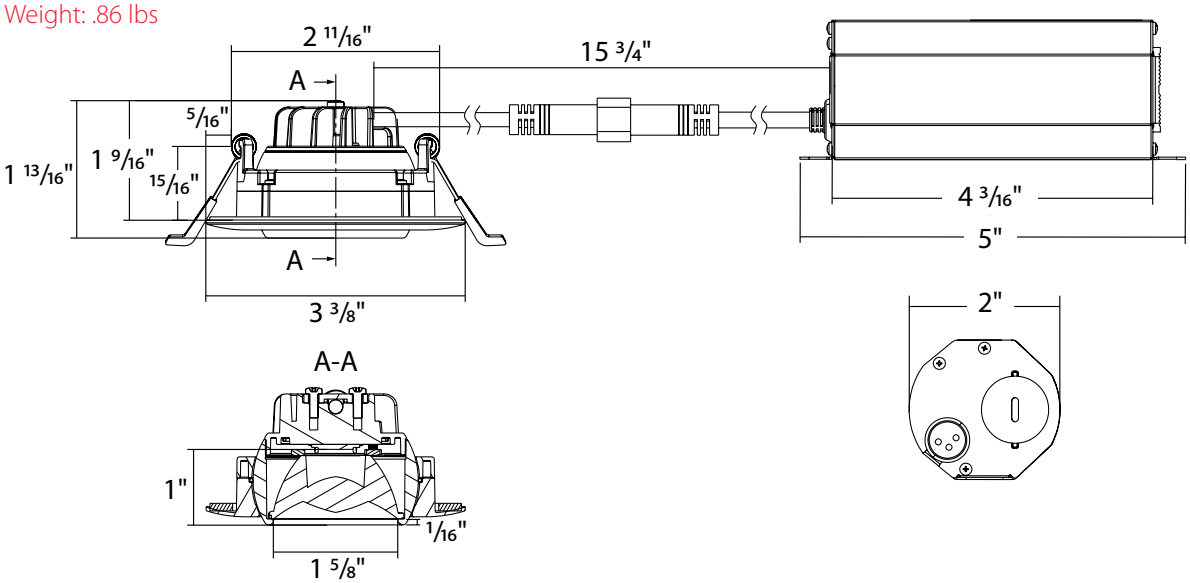
G2
Weight: .5 lbs



G2S
Weight: .49 lbs



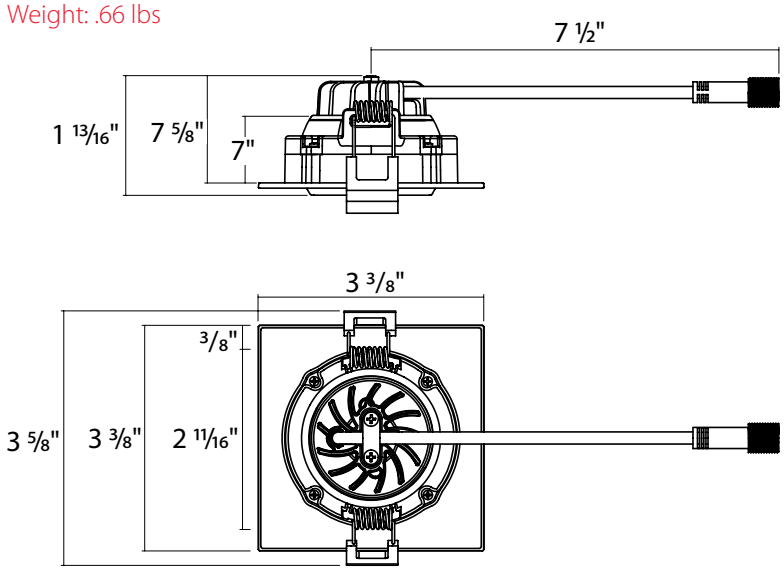
G3
Weight: .86 lbs



DIMENSIONS *(cont'd)*

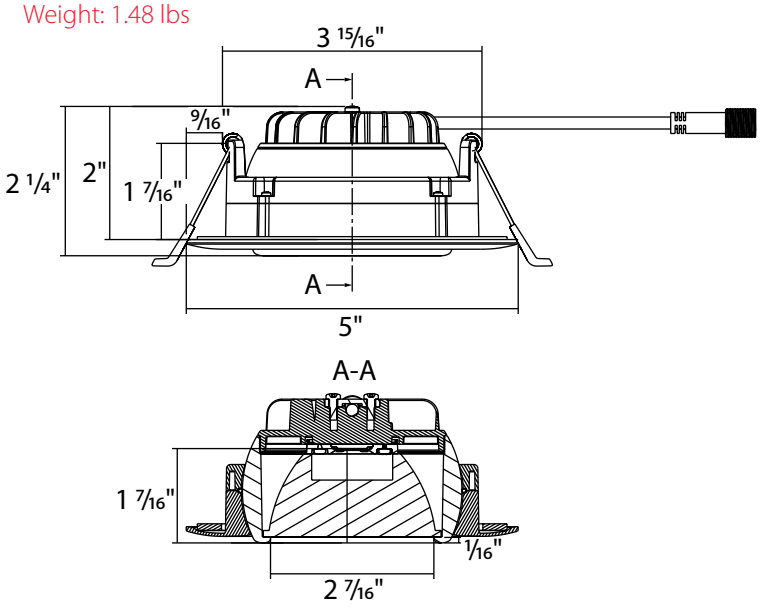
G3S

Weight: .66 lbs



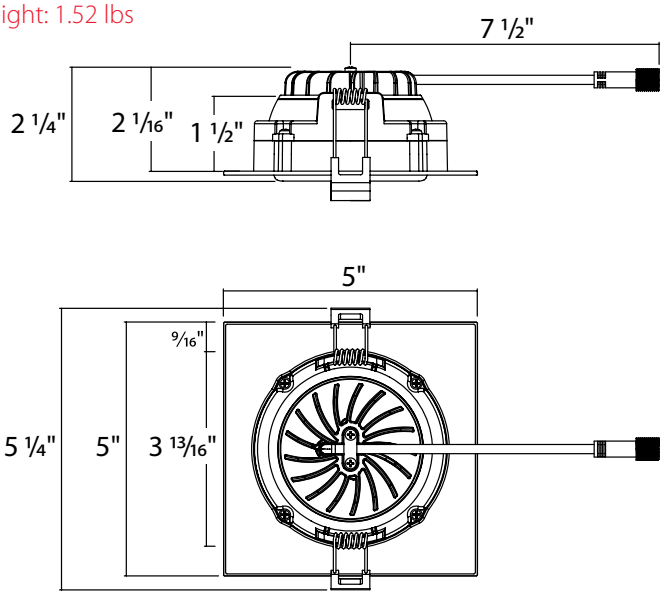
G4

Weight: 1.48 lbs



G4S

Weight: 1.52 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

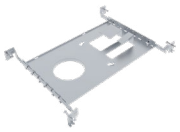
Mounting Plates



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-vVoltage 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 — G3, G3-K, G3S, G3S-K
R3-DRI-15-UNV	192552063609	15W universal-voltage remote driver — G4, G4-K, G4S, G4S-K

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CCT-Adjustable Gimbal Downlights

ORDERING INFO

Catalog Number	UPC	Case Pack
G2	192552029124	12
G2NB	192552029131	12
G2-K	192552060967	12
G2S	192552060998	12
G2S-K	192552061025	12
G3	192552029148	12
G3-K	192552060974	12
G3S	192552061001	12
G3S-K	192552061032	12
G4	192552029155	12
G4-K	192552060981	12
G4S	192552061018	12
G4S-K	192552061049	12

ORDERING MATRIX

Family	Size/ Wattage	Shape	Trim		Finish
G				-	
G 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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