CCT-Adjustable, Floating Gimbal Downlights



PROJECT:

DATE:

TYPE:

PREPARED BY:

Floating gimbal downlights, 3" to 6" round, 90° tilt, white or black

FIELD ADJUSTABLE | 90 CRI | 50,000 HOURS | NO HOUSING REQUIRED | WET RATED | IC RATED | TRIAC / ELV DIMMABLE | 120V | ADJUSTABLE GIMBAL

KEY FEATURES

- Field-adjustable color temperature — 2700/3000/3500/4000/5000K at 90 CRI
- 90° floating gimbal — full hemispherical aim from a flush trim
- Remote driver — no housing, no can, no J-box; fixture depth from 1 3/16"
- New construction or retrofit applications
- Cut-out template in every box and a quick-connect driver lead
- 3", 4" and 6" round; 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
GF3 GF3-K	3"	Round	White, black	Smooth	38°	90°	65W Incandescent	9W	798 lm	102 lm/W
GF4 GF4-K	4"						120W Incandescent	12W	1,149 lm	105 lm/W
GF6 GF6-K	6"						125W Incandescent	15W	1,328 lm	100 lm/W

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PHOTOMETRIC

Catalog Number	Wattage	Color Temperature	Lumens	Efficacy	Equivalency
GF3	9W	2700K	748 lm	92 lm/W	65W Incandescent
		3000K	791 lm	99 lm/W	
		3500K	826 lm	105 lm/W	
		4000K	853 lm	109 lm/W	
		5000K	866 lm	106 lm/W	
GF3-K	9W	2700K	698 lm	86 lm/W	65W Incandescent
		3000K	737 lm	92 lm/W	
		3500K	770 lm	98 lm/W	
		4000K	799 lm	102 lm/W	
		5000K	813 lm	100 lm/W	
GF4	12W	2700K	889 lm	76 lm/W	120W Incandescent
		3000K	961 lm	84 lm/W	
		3500K	1,022 lm	92 lm/W	
		4000K	1,049 lm	94 lm/W	
		5000K	1,049 lm	90 lm/W	
GF4-K	12W	2700K	994 lm	87 lm/W	120W Incandescent
		3000K	1,058 lm	95 lm/W	
		3500K	1,113 lm	102 lm/W	
		4000K	1,149 lm	105 lm/W	
		5000K	1,152 lm	101 lm/W	
GF6	15W	2700K	1,155 lm	82 lm/W	125W Incandescent
		3000K	1,242 lm	91 lm/W	
		3500K	1,309 lm	99 lm/W	
		4000K	1,347 lm	102 lm/W	
		5000K	1,339 lm	95 lm/W	
GF6-K	15W	2700K	1,141 lm	81 lm/W	125W Incandescent
		3000K	1,225 lm	90 lm/W	
		3500K	1,290 lm	97 lm/W	
		4000K	1,328 lm	100 lm/W	
		5000K	1,323 lm	94 lm/W	

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TECHNICAL SPECIFICATIONS

CONSTRUCTION

Product Type
Floating gimbal downlight

Size
3", 4", 6"

Shape
Round

Trim Style
Smooth

Enclosure Material
Metal

Finish
White, black powder coat

Lens
Frosted impact resistant polycarbonate

Remote Driver Box
Steel enclosure with removable cover and four pry-out knockouts. 4 1/4 x 5 x 2" on 3" models; 4 15/16 x 2 1/2 x 1 3/16" on 4" and 6" 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.

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.

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

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
GF3 0.068A · GF4 0.093A · GF6 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)*

LIGHT OUTPUT

CRI
90, R9 >50

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

Beam Angle
38°

Tilt
Adjustable gimbal tilts up to 90° and rotates up to 360°

Lifespan
50,000 hours L70

Color Consistency
4-step MacAdam Ellipse *(SDCM 4)*

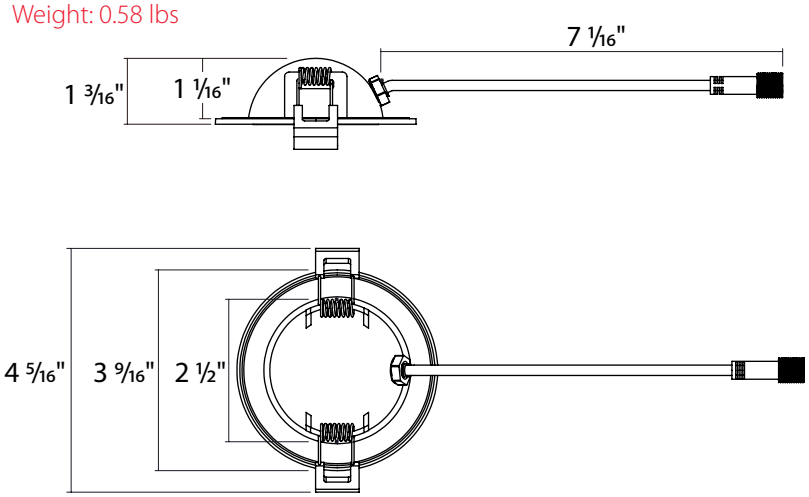
OTHER

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

DIMENSIONS

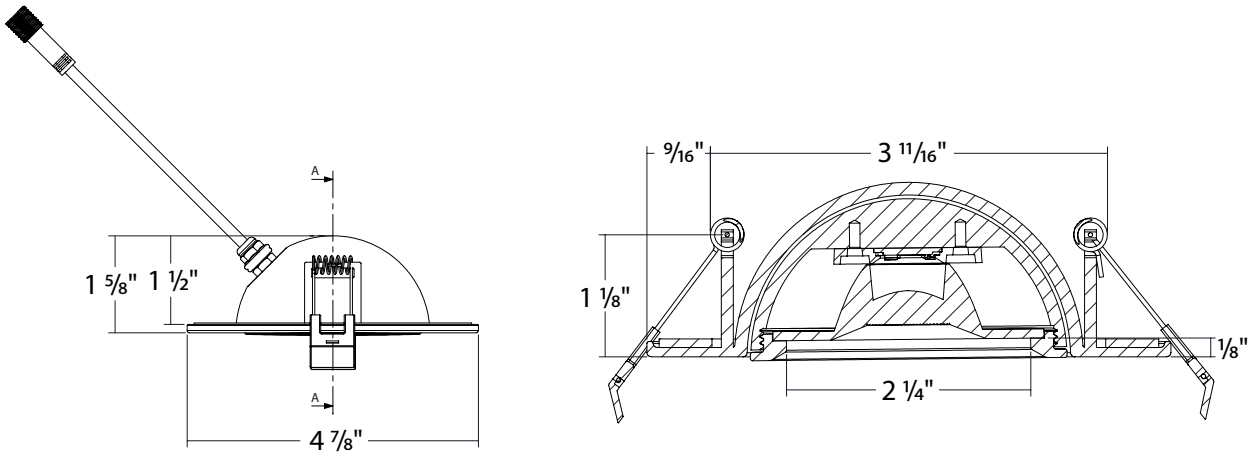
GF3

Weight: 0.58 lbs



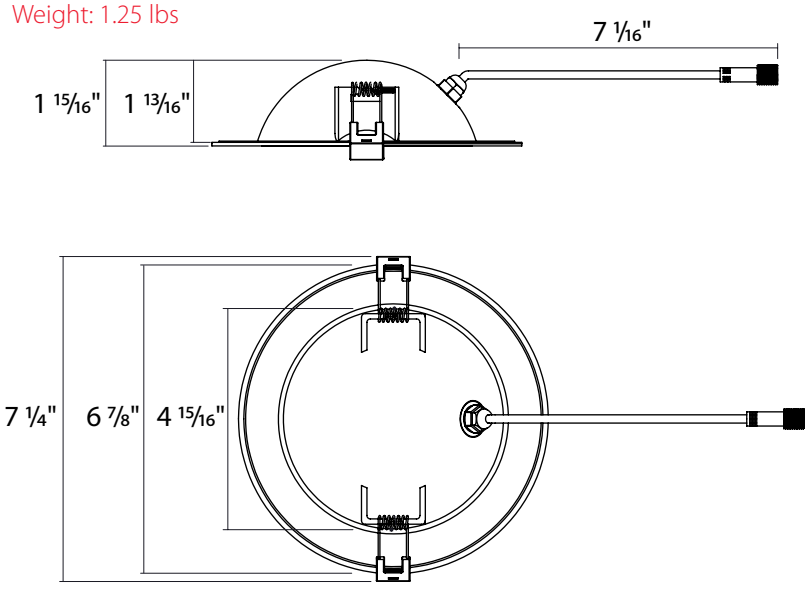
GF4

Weight: 0.94 lbs



GF6

Weight: 1.25 lbs



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ACCESSORIES

Extension Cables

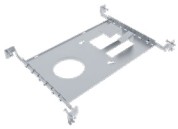


Catalog Number	UPC	Description
EXTCBL-6-3P	192552063524	6 ft quick-connect extension cable, 3-pole
EXTCBL-10-3P	192552063531	10 ft quick-connect extension cable, 3-pole
EXTCBL-20-3P	192552063548	20 ft quick-connect extension cable, 3-pole

Mounting Plates



DLPLATE-3/NB



DLPLATE-4/NB



DLPLATE/WFR3456

Catalog Number	UPC	Description
DLPLATE-3/NB	192552063500	3" mounting plate with nailer bar, 76 mm hole — fits GF3, GF3-K
DLPLATE-4/NB	192552063517	4" mounting plate with nailer bar, 105 mm hole — fits GF4, GF4-K
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".

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

Universal-voltage drivers 120-277V field conversion



R2-DRI-12-UNV



R3-DRI-12-UNV



R4-DRI-12S-UNV



R3-DRI-15-UNV

Catalog Number	UPC	Compatible SKUs in this family
R2-DRI-12-UNV	192552063562	12W universal-voltage remote driver — GF4, GF4-K
R3-DRI-12-UNV	192552063593	12W universal-voltage remote driver — GF4, GF4-K
R4-DRI-12S-UNV	192552063616	12W universal-voltage remote driver — GF4, GF4-K
R3-DRI-15-UNV	192552063609	15W universal-voltage remote driver — GF6, GF6-K

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ORDERING INFO

Catalog Number	UPC	Case Pack
GF3	192552061148	12
GF3-K	192552061155	12
GF4	192552029209	12
GF4-K	192552061162	12
GF6	192552061179	12
GF6-K	192552061186	12

ORDERING MATRIX

Family	Size/ Wattage		Finish
GF		-	
GF Floating gimbal	**3** 3", 7W **4** 4", 12W **6** 6", 15W		**Blank** White **K** Black

DIMMER COMPATIBILITY LIST

Dimmer Brand	Cat Nr	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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