

WGF Wafer with Floating Gimbal



PROJECT:

DATE:

TYPE:

PREPARED BY:



KEY FEATURES

- Aim light where you need it, with 90° tilt and 360° rotation for sloped ceilings and directional jobs
- Set the color on site with 5 selectable CCTs (2700/3000/3500/4000/5000K)
- Canless install: a remote junction box and spring clips mount it directly in ceilings up to 1" thick
- IC rated, airtight and wet location listed for kitchens, baths, closets and covered porches
- Smooth TRIAC/ELV dimming to 10%

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



PERFORMANCE

Catalog Numbers	Size	Trim Style	Wattage Equivalency	Input Wattage	Lumens	Efficacy	Dim Type	Input Voltage	Beam Angle	Tilt	Color Temperature
WGF3	3"	Smooth	60W Incandescent	6.5W	600 lm	92 lm/W	TRIAC/ELV	120V	110°	90° tilt, 360° rotation	Field adjustable via dip switch 2700/3000/3500/4000/5000K
WGF4	4"		75W Incandescent	8W	750 lm	93 lm/W					
WGF6	6"		120W Incandescent	12W	1,150 lm	95 lm/W					

Catalog Numbers	Wattage	Lumens					Efficacy				
		2700K	3000K	3500K	4000K	5000K	2700K	3000K	3500K	4000K	5000K
WGF3	5.5W	557	579	601	609	591	102	107	113	114	108
WGF4	8W	755	789	813	818	807	98	103	108	108	103
WGF6	12W	1172	1204	1241	1258	1247	102	106	111	111	108

TECHNICAL SPECIFICATIONS

CONSTRUCTION

Product Type

Wafer Floating Gimbal

Size

3", 4", 6"

Shape

Round

Trim Style

Smooth

Enclosure Material

Dead-front (*non-metallic*) trim, aluminum back plate

Finish

White

Lens Finish

Flush smooth diffuse lens

INSTALLATION

Remote Driver/Junction Box

Die formed metal driver / junction box with captive hinged junction box cover. Listed for Maximum of (4) 12AWG through branch circuit conductor suitable for 90° C permitted in box. Easy to wire in 2in/2out (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

No housing is required, two tension steel spring clips secure luminaire to ceiling. Accommodates ceiling thickness up to 1". New construction frames are available.

LED CHARACTERISTICS

Beam Angle

110°

Tilt

90° tilt, 360° rotation

Color Temperature

3000K Factory setting, Field Adjustable 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 MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability

LED color temperature is warranted 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.

ELECTRICAL

Input Voltage

120V

Operating Frequency

60 Hz

Operating Temperature

-4°F to 104°F (-20°C to 40°C)

Dimmable

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

THD

≤20%

Power Factor

≥0.9

Flicker

<30%

COMPLIANCE

Listings

UL listed, UL Classified

Environmental

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 Approved

This product is ENERGY STAR® Version 2.2 Certified.

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

OTHER

Warranty

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

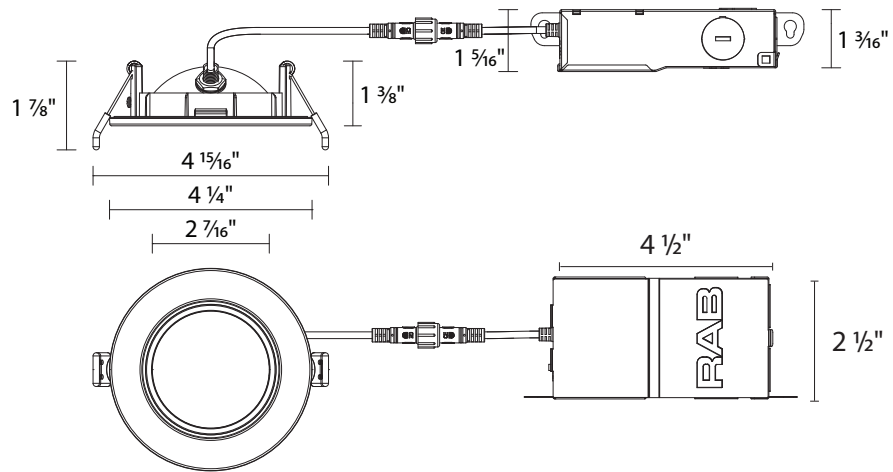
WGF Wafer with Floating Gimbal



DIMENSIONS

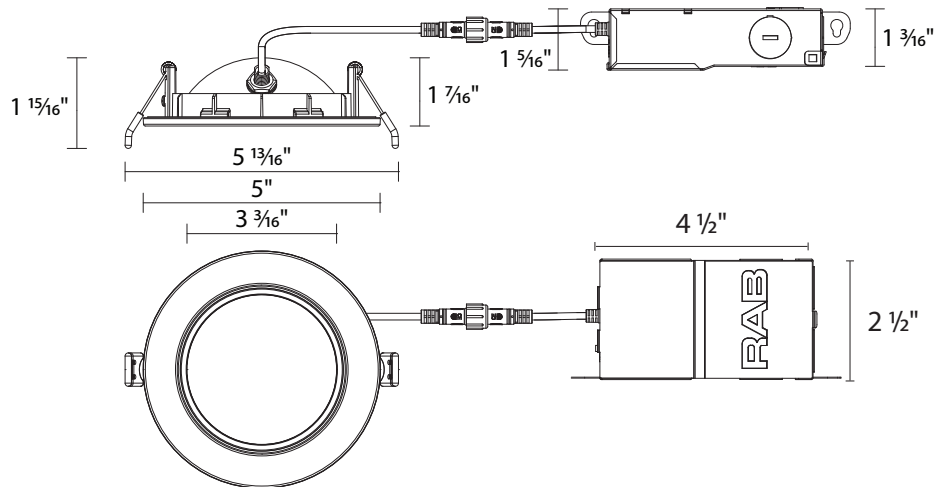
WGF3

Weight: 0.63 lbs



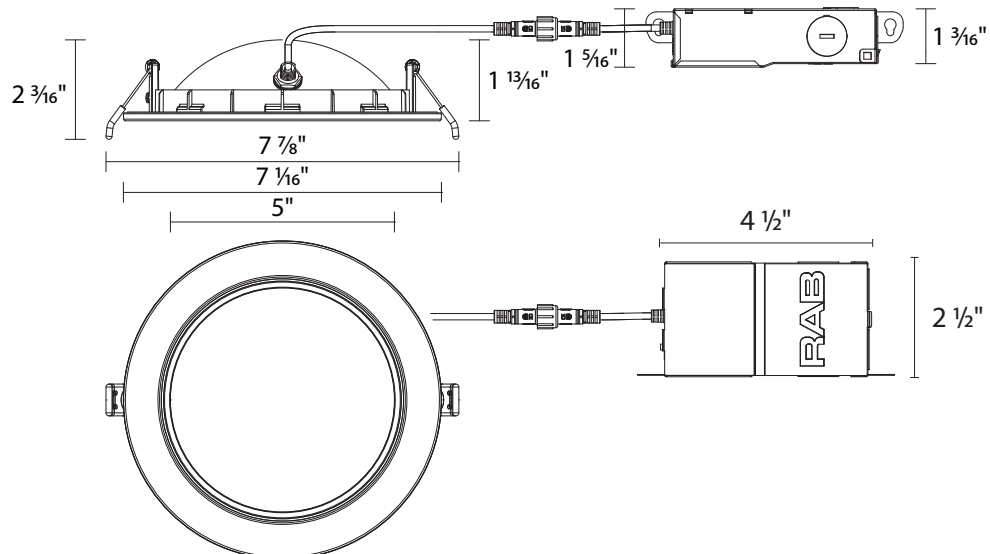
WGF4

Weight: 0.74 lbs



WGF6

Weight: 1.07 lbs

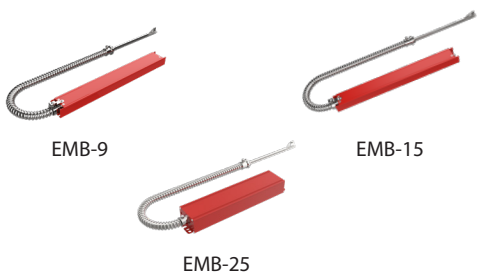


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ACCESSORIES

Emergency Drivers



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

ORDERING INFO

Catalog Number	Description	UPC	Case Pack
WGF3	3"WAFER FLOATING GIMBAL 6.5W 600LM 5CCT 120V TRIAC ROUND WHITE SMOOTH	192552063739	6
WGF4	4"WAFER FLOATING GIMBAL 8W 750LM 5CCT 120V TRIAC ROUND WHITE SMOOTH	192552063746	6
WGF6	6"WAFER FLOATING GIMBAL 12W 1150LM 5CCT 120V TRIAC ROUND WHITE SMOOTH	192552063753	6

ORDERING MATRIX

Family	Size/ Wattage	Shape	CRI/Color Temp	Driver	Finish	Trim
WGF		-				
	3 3", 6.5W	Blank Round	Blank 90 CRI, CCT-Adjustable	Blank 120V	Blank White	Blank Smooth
	4 4", 8W					
	6 6", 12W					

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