

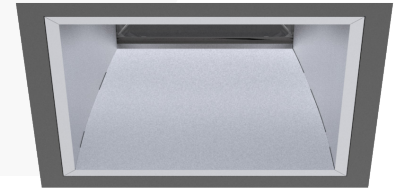
TAKEO 4"

Architectural Downlight



TAKEO ARCHITECTURAL DOWNLIGHTS

are part of a family of high performance luminaires that mixes a small, low profile, aesthetically pleasing form factor with high performance optical control and color quality. The shallow fixture height and narrow-flanged trim blends quietly into most ceiling spaces, while the field interchangeable optics and magnetically attached reflectors allow for easy change or updates. The TAKEO fixture family will work in your most demanding commercial, residential and hospitality area



FEATURES

- Minimal 5/16" trim flange blends into ceilings
- Swing out brackets provide easy, secure installation
- Driver mounted separately from fixture maximize thermal performance and lifetime

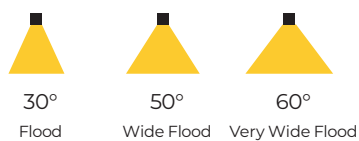
GOOD TO KNOW

- Also available in 6" and 8" round and square form factors
- New Construction IC or Non IC and remodel with the same LED module
- Combination of recessed optics from a shallow housing provides low glare rating, UGR<19

SPECIFICATIONS

OPTICAL

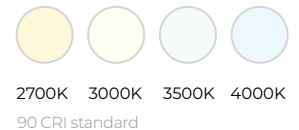
- Beam Angle



- Fixture / Reflector Finish



- Color Temperature



MECHANICAL

- Two-piece construction; LED Module & Housing
- Round or Square fixture bodies
- Available with a self-flanged trim
- Trims install with swing out arms and set screws
- Install in ceilings between 1/4" and 1-3/8" thick
- Available in textured matte white or matte black

HOUSING

- New construction steel frame supplied with universal bar hangers
- Butterfly brackets are available in options
- Bar hangers are adjustable from 13-1/4" to 24-1/2"
- Fixture and driver are serviceable from below the ceiling

ELECTRICAL

- Universal 120V-277V, 50/60Hz, 0-10V or 120V, 60Hz Triac/ELV dimming driver available DALI, 347V
- Drivers connect to LED modules using quick connect cable

THERMAL

- Die cast aluminum heat sink
- Ambient fixture operating range: -20°C to 40°C (-4°F to 104°F)

COMPLIANCE

- ETL listed for Damp locations
- Install on ceilings with a thickness of 1 mm to 30 mm

WARRANTY

- 5 Year limited parts warranty



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PRODUCT CODE

Build Your Specification - A complete luminaire includes Product Codes for a Fixture and Housing, ordered separately

Fixture

TAK						
SERIES	SIZE / SHAPE	NOM. LUMEN OUTPUT	BEAM ANGLE	CRI / CCT	FIXTURE FINISH	REFLECTOR FINISH
TAK TAKEO	4R 4" Round	12L 1200 lumens	<u>4R - 4" Round</u>	827 80 / 2700K	BL Matte Black	BL Matte Black
		4S 4" Square	16L 1600 lumens	FL Flood (30°)	830 80 / 3000K	WH Matte White
	WF Wide Flood (50°)		<u>4S - 4" Square</u>	835 80 / 3500K	CF ¹ Custom Finish	WH White Matte
			VF Very Wide Flood (60°)	840 80 / 4000K		
				927 90 / 2700K		
				930 90 / 3000K		
				935 90 / 3500K		
				940 90 / 4000K		

¹ Specify RAL # ² Only for new construction Non-IC or Remodel Non-IC

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Housing

TAK					
SERIES	SIZE / SHAPE	NOM. LUMEN OUTPUT	TYPE	DIMMING DRIVER / VOLTAGE	OPTIONS
TAK TAKEO	4R 4" Round	12L 1200 lumens	NC New Construction Non-IC	PD120V Phase Dimming Triac & ELV (120V only)	EM Emergency battery backup, above ceiling access or remote installation required
	4S 4" Square	16L 1600 lumens	RM Remodel Non-IC	010UNV 0-10V Dimming Universal 120V-277V,	BB Butterfly Brackets Kit
			IC/AT New Construction Insulated Ceiling/ Airtight	DALIUNV² DALI Dimming Universal 120V-277V	
			REM Remote or to power multiple fixtures per driver consult factory	* 347V (available in 0-10V only)	
				*Consult factory for specific control requirements	

ACCESSOIRES OPTIONS

ACC	BB
	BB Butterfly Brackets Kit

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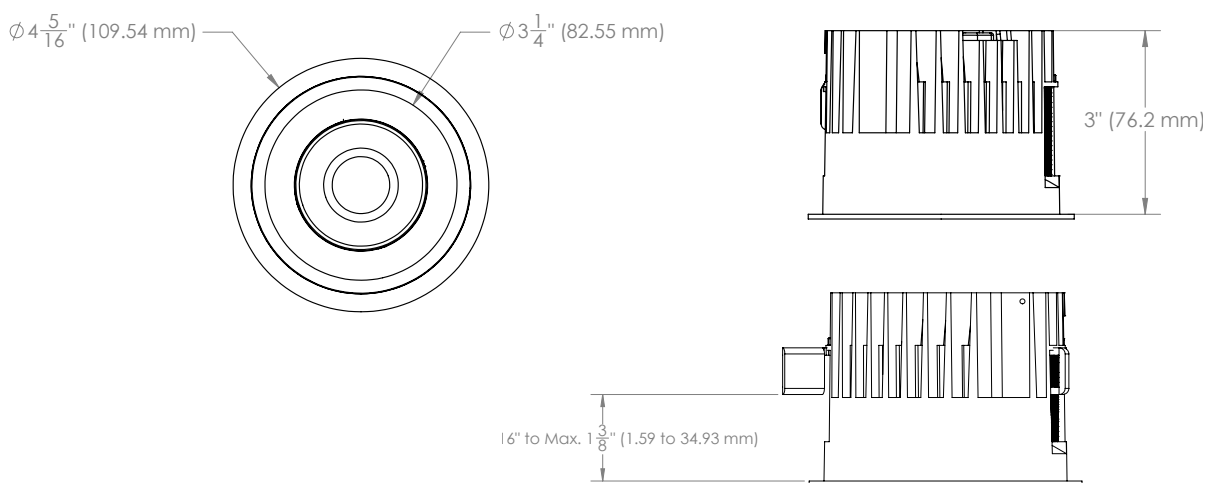
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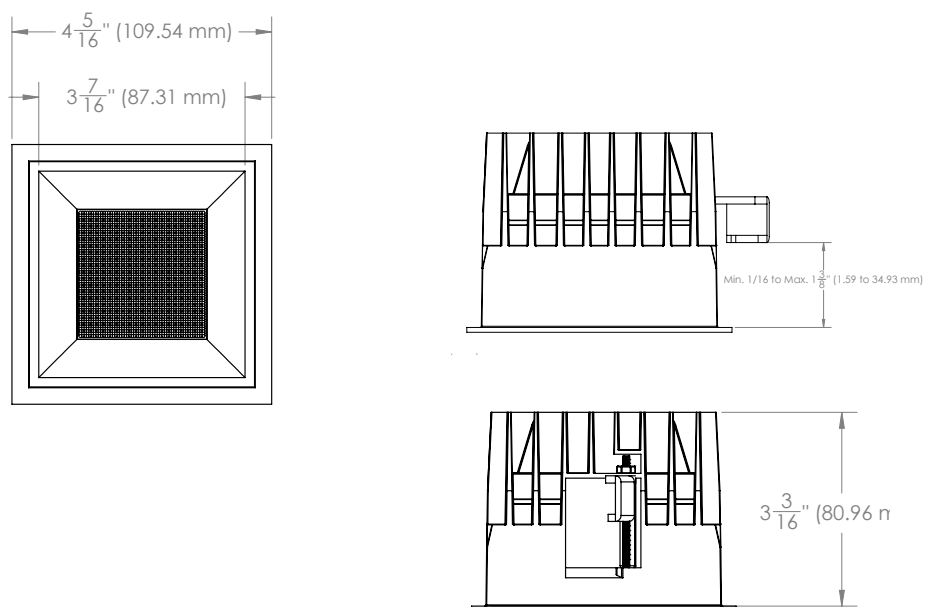
DIMESNIONS

Fixture

Takeo 4" Round



Takeo 4" Square



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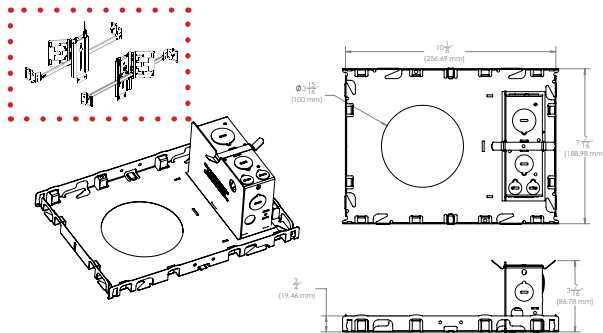


DIMENSIONS

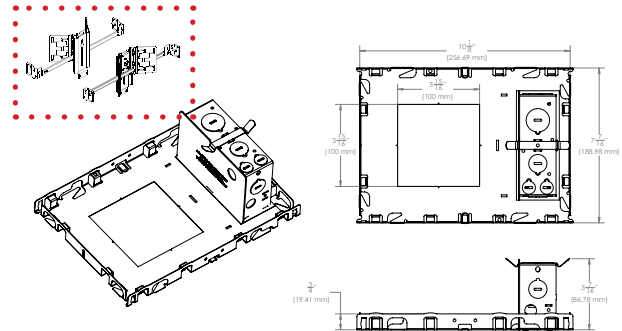
Housing

* Butterfly brackets ordered separately

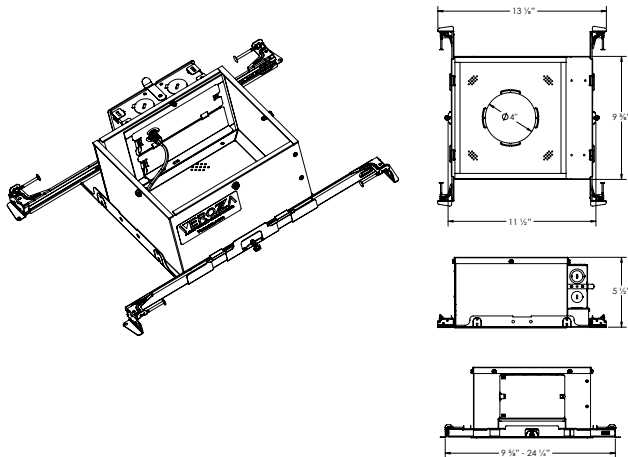
Non-IC New Construction | Round



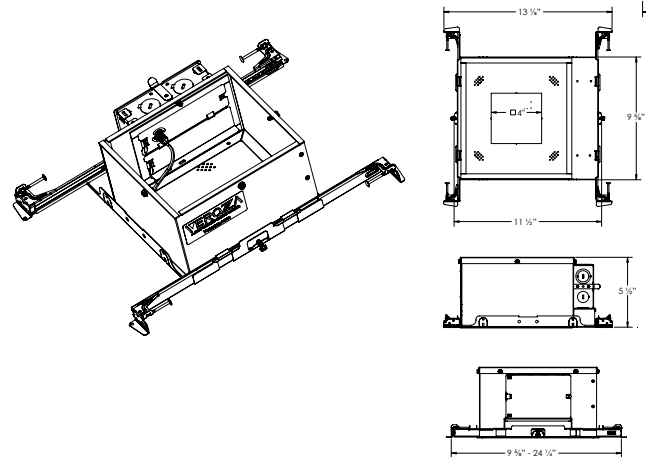
Non-IC New Construction | Square



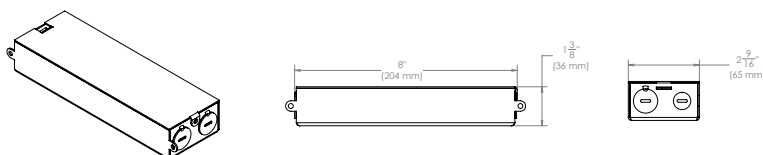
IC/AT Insulated Ceiling Airtight New Construction | Round



IC/AT Insulated Ceiling Airtight New Construction | Square



Remodel Driver Housing



Fixture	Ceiling Cutout
Takeo 4R, 4" Round	Ø 4" (100mm)
Takeo 4S, 4" Square	4" x 4" (100 x 100mm)

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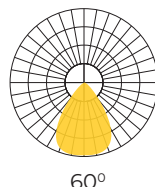
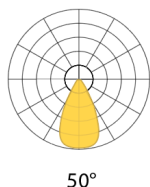
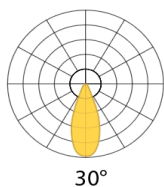
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PHOTOMETRIC PERFORMANCE

Technical Information Table

Fixture	Input Voltage	Input Current	Input Power	THD	Power Factor	Output Voltage
TAK-4X-12L	120 / 277	250mA	9W	<20%	>0.9	34V (32-36V)
TAK-4X-16L	120 / 277	350mA	13W	<20%	>0.9	36V (34-38V)



Delivered Lumens

Fixture	Beam Angle	80CRI, 4000K	
		Lumens	LPW
Takeo 4" Round 12L, Semi-Specular Reflector	FL = Flood (30°)	1239	139
	WF = Wide Flood (50°)	1054	119
Takeo 4" Square 12L, Semi-Specular Reflector	VF = Very Wide Flood (60°)	939	100
Takeo 4" Round 16L, Semi-Specular Reflector	FL = Flood (30°)	1612	132
	WF = Wide Flood (50°)	1369	112
Takeo 4" Square 16L, Semi-Specular Reflector	VF = Very Wide Flood (60°)	1211	93

Multiplier Tables

CRI	Conversion Factor
80	1.00
90	0.85

CCT	Conversion Factor
2700K	0.88
3000K	0.93
3500K	0.96
4000K	1.00

Reflector Finish	Conversion Factor
Semi-Specular (SS)	0.97
Matte White (WH)	1.00
Matte Black (BL)	0.88