

Volta

Static White - 4.5" Wall Wash

R4RWT | R4RWL | R4SWT | R4SWL

Fixture Type: _____

Project: _____

Catalog#: _____

Location: _____



LINE DRAWING



PRODUCT DESCRIPTION

Volta LED downlight series represents an innovation in design and technology for architectural lighting. This high lumen and adaptable family of fixtures with a comprehensive set of round and square fittings, affords a sustainable solution for commercial, corporate, and upscale residential applications. Wall Wash Volta fixtures are equipped with an innovative bidirectional spread lens.

SPECIFICATIONS

Construction:	Durable die-cast self flanged aluminum construction
Mounting:	Heavy gauge retention clips support trim firmly Ceiling cut out (Round): Trim Ø 5 1/8" ○ Trimless Ø 5 1/8" ○ Ceiling cut out (Square): Trim 5 1/8" x 5 1/8" □ Trimless 5 1/8" x 5 1/8" □ Accommodates ceiling thickness of 1/2" - 1"
Light Source:	High output 3-step Mac Adam Ellipse COB Rated life of 50,000 hours at L70
Input:	Universal 120-277V AC, 50/60 Hz
Dimming:	0-10V: 100-0% Electronic Low Voltage (ELV): 100-5%
Maximum Delivered Output:	Up to 2,573 lm (Square Asymmetric, 4000K, CRI 85)
Standards:	ETL & cETL Wet location listed
Warranty:	5 year WAC Lighting guaranteed warranty

BEAM ANGLES



FINISHES



Ref Output*							
Model	Beam		Lumens	Lumens/Watt	Color Temp	CRI	
R4RWT R4RWL	Round	A Asym Round Square	1995 2405	58 71	827 - 2700K	85	
					830 - 3000K	85	
					835 - 3500K	85	
R4SWT R4SWL	Square				840 - 4000K	85	
					927 - 2700K	90	
					930 - 3000K	90	

Lumens and CBCP are reference values for 3000K Color Temperature and 85 CRI with 36 housing. Refer to Multiplier Table in Performance Data to determine other outputs.



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ORDERING INFORMATION

CONFIGURATION TABLE				
Model & Power	Beam	Color Temperature & CRI	Reflector Finish	Trim Finish
R4RWT R4SWT R4RWL R4SWL	A - Asym	827 - 2700K - 85	BK - BLACK	WT - WHITE
		830 - 3000K - 85	CB - COPPER	
		835 - 3500K - 85	HZ - HAZE	
		840 - 4000K - 85	WT - WHITE	
		927 - 2700K - 90		
		930 - 3000K - 90		

R4RWT-____-__ Example: R4RWT-N840-WT

HOUSINGS (Required)								
Model	Trim	Power	S	N,F,W	Rating	Driver		Emergency Backup
New Construction IC Airtight R4RN (Round) R4SN (Square)	T Trim L Trimless	15	10W	15W	IC	DEFAULT	ELV, 0-10V	EM
		25	15W	23W	IC			
		36	22W	34W	Non-IC			
New Construction IC Airtight Chicago Plenum R4RC (Round) R4SC(Square)	T Trim L Trimless	15	10W	15W	IC	DEFAULT	ELV, 0-10V	EM
		25	15W	23W	IC			
		36	22W	34W	Non-IC			
Remodel Non-IC Round or Square R4BR	T Trim	15	10W	15W	Non-IC	DEFAULT	ELV, 0-10V	N/A
		25	15W	23W	Non-IC			
		36	22W	34W	Non-IC			
Remodel Non-IC R4RR (Round) R4SR (Square)	L Trimless	15	10W	15W	Non-IC	DEFAULT	ELV, 0-10V	N/A
		25	15W	23W	Non-IC			
		36	22W	34W	Non-IC			

FIELD REPLACEABLE DRIVER
D-R4N-15 Driver for 15W New Construction Housing
D-R4N-25 Driver for 23W New Construction Housing
D-R4N-36 Driver for 34W New Construction Housing

ORDERING NOTES
1. The "White" trim finish is only available with the reflector finishes "Black" and "Haze".
2. Trimless fixtures cannot be ordered with a trim finish.
3. The "Asym" beam angle is available in 15W, 23W, and 34W.

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FEATURES

Optics: • 2" lens regress for superior glare control • Even wall illumination vertically and horizontally thanks to our innovative bidirectional spread lens	Construction: • Durable die-cast self flanged aluminum construction • Heavy gauge retention clips support trim firmly
LED: • High output COB LED with a 3-step Mac Adam ellipse • Rated operational life of 50,000 hours at L70 (LED maintains 70% of its initial delivered lumens when brand new for 50,000 hours of use.)	Trim and Reflector: • Integral patterned tempered trim lens included standard with every fixture • Dual finished fixtures are a single piece with no physical seams.
Electrical: • Volta is compatible with 120-277 VAC, 50/60 Hz • Housings are available in 10W, 15W, and 22W	Installation: • Requires housing for installation • New Construction housings for these fixtures are IC rated based on power level. The 36 power level (44W) is non-IC rated • All Remodel housings are non-IC rated
Dimming: • Electronic Low Voltage (ELV) dimming is capable of a 100 - 5% range. • 0-10V dimming is capable of a 100 - 0% range	Warranty: • WAC Architectural limited warranty up to 5 years • Full warranty found at: waclighting.com/warranty
Notes: • Trim and trimless fixtures of the same shape (Round/Square) have the same performance. Minor variations occur due to fixture shape. • The White and Black finishes are powder coated while the Haze is enamel coated and the Copper Bronze is plated and brushed. • The Volta product family is compatible with a wide range of accessories.	

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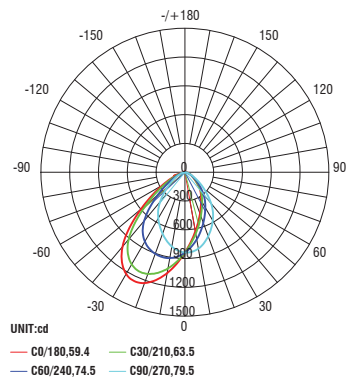
PERFORMANCE DATA

Polar Candela Distribution Charts

Samples shown with a 34W Asymmetric beam (Asym) fixture set to 3000K and 90 CRI.

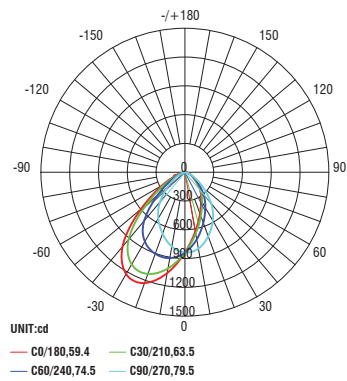
ROUND

Asymmetric Beam



SQUARE

Asymmetric Beam



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PERFORMANCE DATA

Unified Glare Rating (UGR) Table

UGR values shown are calculated at 3000K and 90 CRI.

Round Fixture	Angle	UGR Range	Square Fixture	Angle	UGR Range
Asymmetric	-	≤25	Asymmetric	-	≤25

Lumens and CBCP Multiplier Table

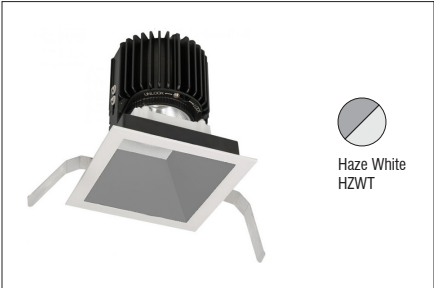
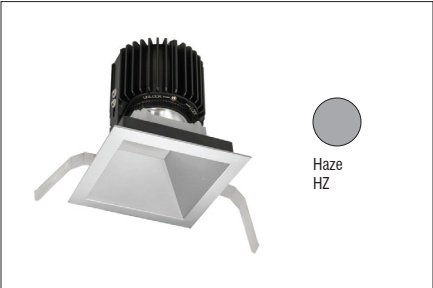
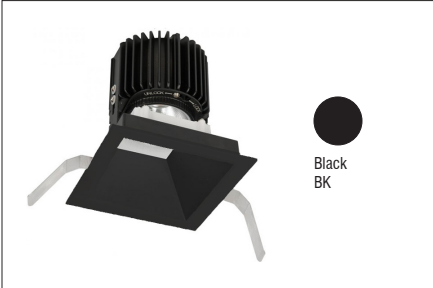
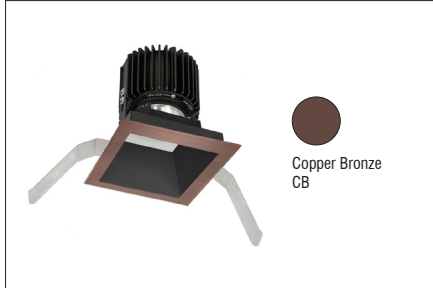
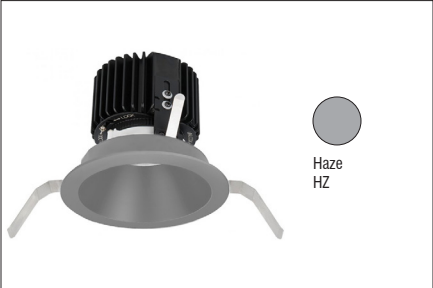
Use the below table to determine lumens and CBCP values for the combinations of power, color temperature, and CRI values.

Multiplier		TRIM					
		827	927	830	930	835	840
HOUSING	36	0.95	0.81	1.00	0.86	1.05	1.07
	25	0.66	0.56	0.69	0.59	0.73	0.74
	15	0.43	0.37	0.45	0.39	0.48	0.49

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TRIM AND HOUSING COLOR OPTIONS



ROUND TRIM

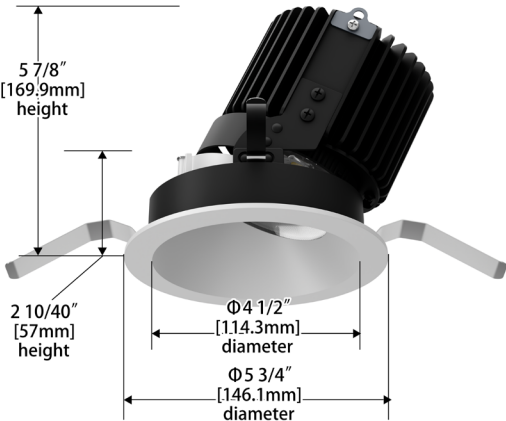
SQUARE TRIM

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DIMENSIONAL DIAGRAMS

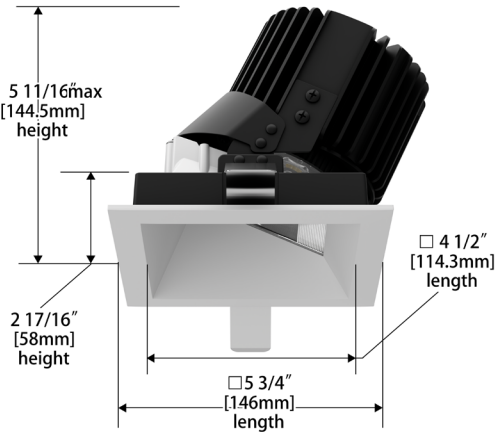
Round Trim (R4RWT)



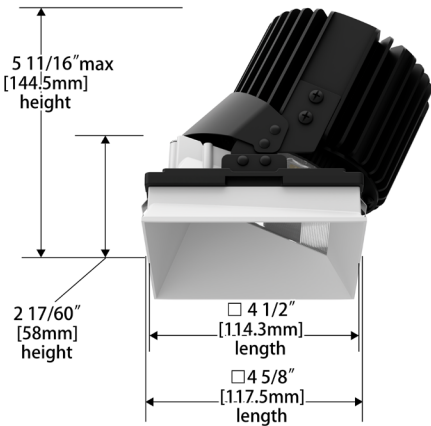
Round Trimless (R4RWL)



Square Trim (R4SWT)



Square Trimless (R4SWL)

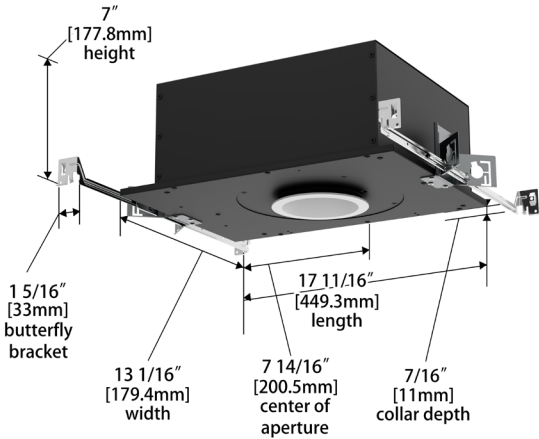


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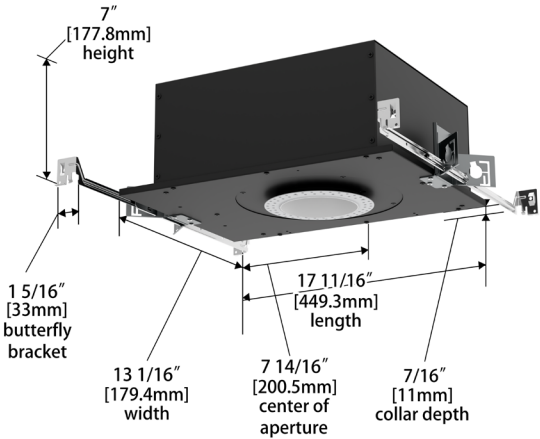
Fixture Type: _____
Project: _____
Catalog#: _____
Location: _____

DIMENSIONAL DIAGRAMS

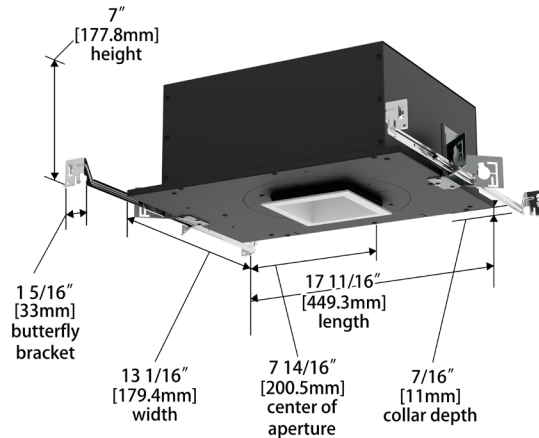
New Construction - Round Trim



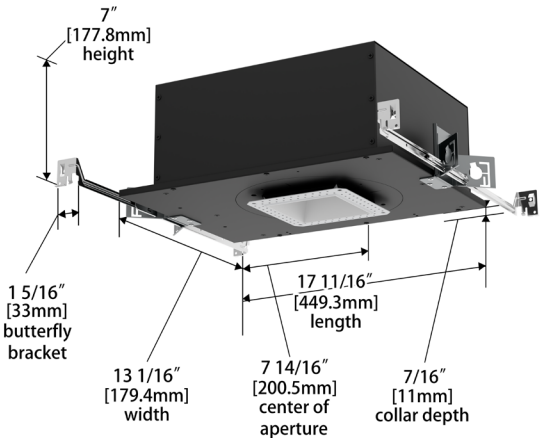
New Construction - Round Trimless



New Construction - Square Trim



New Construction - Square Trimless



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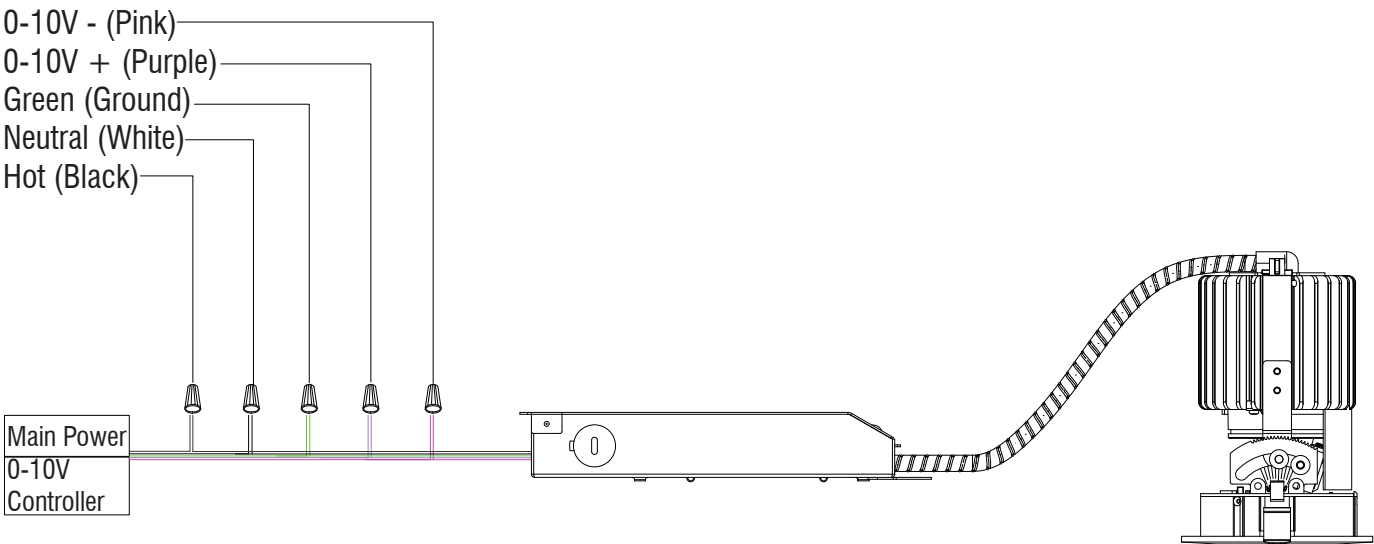
Project: _____

Catalog#: _____

Location: _____

WIRING DIAGRAMS

Remodel Installation



New Construction Installation

