

Volta

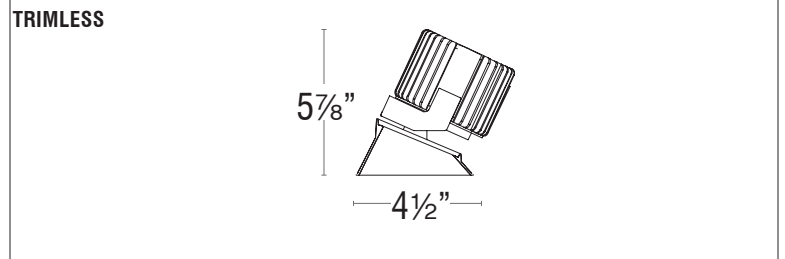
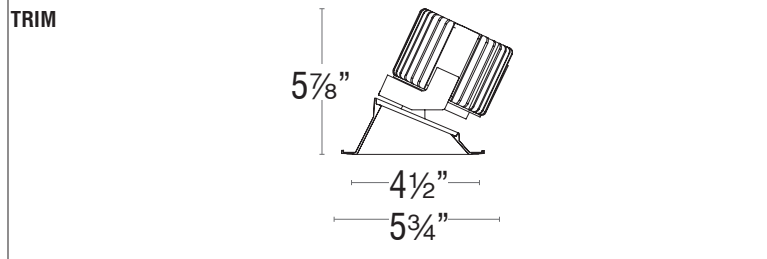
Static White - 4.5" Wall Wash

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.

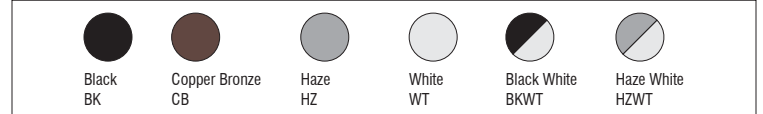
SPECIFICATIONS

Construction:	Durable die-cast self flanged aluminum construction
Mounting:	Heavy gauge retention clips support trim firmly Ceiling cut out (Round): Trim $\varnothing 5\frac{1}{8}"$ Trimless $\varnothing 5\frac{1}{8}"$ Ceiling cut out (Square): Trim $5\frac{1}{8}" \times 5\frac{1}{8}"$ Trimless $5\frac{1}{8}" \times 5\frac{1}{8}"$ 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



Model	Beam	Ref Output*		Color Temp	CRI		
		Lumens	Lumens/Watt				
R4RWT R4RWL	Round	A Asym	Round	1995	58	827 - 2700K	85
			Square	2405	71	830 - 3000K	85
						835 - 3500K	85
R4SWT R4SWL	Square	A Asym	Round	1995	58	840 - 4000K	85
			Square	2405	71	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	A - Asym	827 - 2700K - 85	BK - BLACK	WT - WHITE
R4SWT		830 - 3000K - 85	CB - COPPER	
R4RWL		835 - 3500K - 85	HZ - HAZE	
R4SWL		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	<i>10W</i>	<i>15W</i>	<i>IC</i>	DEFAULT <i>ELV, 0-10V</i>	EM	
			25	<i>15W</i>	<i>23W</i>	<i>IC</i>			
			36	<i>22W</i>	<i>34W</i>	<i>Non-IC</i>			
New Construction IC Airtight Chicago Plenum	R4RC (Round) R4SC (Square)	T Trim L Trimless	15	<i>10W</i>	<i>15W</i>	<i>IC</i>	DEFAULT <i>ELV, 0-10V</i>	EM	
			25	<i>15W</i>	<i>23W</i>	<i>IC</i>			
			36	<i>22W</i>	<i>34W</i>	<i>Non-IC</i>			
Remodel Non-IC Round or Square	R4BR	T Trim	15	<i>10W</i>	<i>15W</i>	<i>Non-IC</i>	DEFAULT <i>ELV, 0-10V</i>	N/A	
			25	<i>15W</i>	<i>23W</i>	<i>Non-IC</i>			
			36	<i>22W</i>	<i>34W</i>	<i>Non-IC</i>			
Remodel Non-IC	R4RR (Round) R4SR (Square)	L Trimless	15	<i>10W</i>	<i>15W</i>	<i>Non-IC</i>	DEFAULT <i>ELV, 0-10V</i>	N/A	
			25	<i>15W</i>	<i>23W</i>	<i>Non-IC</i>			
			36	<i>22W</i>	<i>34W</i>	<i>Non-IC</i>			

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

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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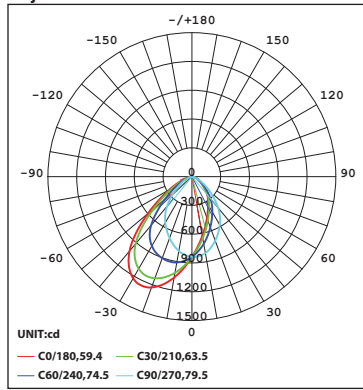
PERFORMANCE DATA

Polar Candela Distribution Charts

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

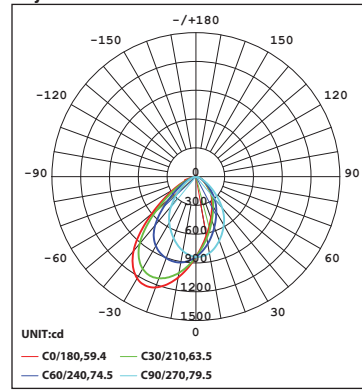
ROUND

Asymmetric Beam



SQUARE

Asymmetric Beam



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PERFORMANCE DATA

Unified Glare Rating (UGR) Table

UGR values shown are calculated for a Round Trim fixture with a 34W Asymmetric Beam (Asym) optic at 3000K and 90 CRI. General performance of other beam angles shown below.

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	Viewed crosswise					Viewed endwise					
x = 2H y = 2H	23.1	24.4	23.4	24.6	24.8	19.6	20.9	19.9	21.1	21.3	
3H	23.5	24.7	23.8	24.9	25.1	19.8	21.0	20.0	21.2	21.4	
4H	23.5	24.7	23.9	24.9	25.2	19.7	20.9	20.1	21.1	21.4	
6H	23.5	24.5	23.8	24.8	25.1	19.7	20.8	20.0	21.0	21.3	
8H	23.4	24.5	23.8	24.7	25.0	19.7	20.7	20.0	21.0	21.3	
12H	23.4	24.4	23.7	24.7	25.0	19.6	20.6	20.0	20.9	21.2	
4H	2H	23.1	24.2	23.4	24.4	24.7	20.0	21.1	20.3	21.4	21.6
3H	23.5	24.5	23.9	24.8	25.1	20.2	21.2	20.6	21.5	21.8	
4H	23.7	24.6	24.0	24.9	25.2	20.2	21.1	20.6	21.5	21.8	
6H	23.6	24.4	24.0	24.7	25.1	20.2	21.0	20.6	21.4	21.7	
8H	23.6	24.3	24.0	24.7	25.1	20.2	20.9	20.6	21.3	21.7	
12H	23.5	24.2	24.0	24.6	25.0	20.2	20.9	20.6	21.2	21.7	
8H	4H	23.6	24.3	24.0	24.7	25.0	20.2	21.0	20.7	21.3	21.7
6H	23.5	24.1	24.0	24.5	25.0	20.3	20.9	20.7	21.3	21.7	
8H	23.5	24.0	24.0	24.4	24.9	20.3	20.8	20.7	21.2	21.7	
12H	23.5	23.9	24.0	24.4	24.9	20.3	20.7	20.7	21.2	21.6	
12H	4H	23.5	24.2	23.9	24.6	25.0	20.2	20.9	20.6	21.3	21.7
6H	23.5	24.0	23.9	24.4	24.9	20.2	20.8	20.7	21.2	21.7	
8H	23.5	23.9	23.9	24.4	24.8	20.2	20.7	20.7	21.2	21.6	

Round Fixture	Angle	UGR Range
Asymmetric	-	≤25

Square Fixture	Angle	UGR Range
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	HOUSING	TRIM					
		827	927	830	930	835	840
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