

## Volta

### Static White - 4.5" Shallow Regressed Downlight

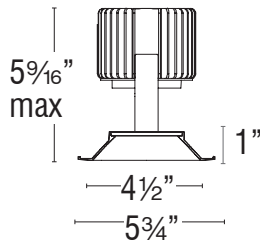
R4RD1T | R4RD1L | R4SD1T | R4SD1L

Fixture Type: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Catalog#: \_\_\_\_\_  
 Location: \_\_\_\_\_

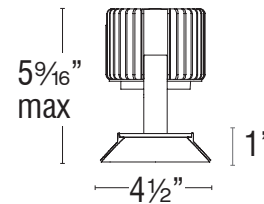


#### LINE DRAWING

##### TRIM



##### TRIMLESS



#### 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. A built-in field selectable light engine height allows for a cut-off angle adjustment of 32-40°.

#### SPECIFICATIONS

<b>Construction:</b>	Durable die-cast self flanged aluminum construction
<b>Mounting:</b>	Heavy gauge retention clips support trim firmly Ceiling cut out (Round): Trim $\varnothing$ 5 $\frac{1}{8}$ " $\bigcirc$ Trimless $\varnothing$ 5 $\frac{1}{8}$ " $\bigcirc$ Ceiling cut out (Square): Trim 5 $\frac{1}{8}$ " x 5 $\frac{1}{8}$ " $\square$ Trimless 5 $\frac{1}{8}$ " x 5 $\frac{1}{8}$ " $\square$ Accommodates ceiling thickness of 1/2" - 1 1/2"
<b>Light Source:</b>	High output 3-step Mac Adam Ellipse COB Rated life of 50,000 hours at L70
<b>Input:</b>	Universal 120-277V AC, 50/60 Hz
<b>Dimming:</b>	0-10V: 100-0% Electronic Low Voltage (ELV): 100-5%
<b>Maximum Delivered Intensity:</b>	Up to 12,080 cd (Round Spot 15°, 4000K, CRI 85)
<b>Maximum Delivered Output:</b>	Up to 3,622 lm (Square Narrow Flood 25°, 4000K, CRI 85)
<b>Standards:</b>	ETL & cETL Wet location listed, Title 24 JA8 Compliant
<b>Warranty:</b>	5 year WAC Lighting guaranteed warranty

#### BEAM ANGLES



#### FINISHES



Model	Beam	Lumens	Ref Output*		Lumens/Watt	Color Temp	CRI	
			CBCP					
R4RD1T R4RD1L	S 15°	Round	1415	11290	66	827 - 2700K	85	
		Square	1450	9650	67			
	N 25°	Round	3160	9655	93			830 - 3000K
		Square	3385	8760	100			835 - 3500K
R4SD1T R4SD1L	F 45°	Round	3035	5070	89	840 - 4000K	85	
		Square	3290	4880	97			
	W 60°	Round	2925	3065	87			927 - 2700K
		Square	3125	3030	92			

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.

## Volta

### Static White - 4.5" Shallow Regressed Downlight

R4RD1T | R4RD1L | R4SD1T | R4SD1L

Fixture Type: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Catalog#: \_\_\_\_\_  
 Location: \_\_\_\_\_

### ORDERING INFORMATION

Model & Power	Beam	Color Temperature & CRI	Reflector Finish	Trim Finish
<b>R4RD1T</b>	<b>S:</b> Spot - 15°	<b>827</b> - 2700K - 85	<b>BK</b> - BLACK	<b>WT</b> - WHITE
<b>R4SD1T</b>	<b>N:</b> Narrow Flood - 25°	<b>830</b> - 3000K - 85	<b>CB</b> - COPPER	
<b>R4RD1L</b>	<b>F:</b> Flood - 45°	<b>835</b> - 3500K - 85	<b>HZ</b> - HAZE	
<b>R4SD1L</b>	<b>W:</b> Wide Flood - 60°	<b>840</b> - 4000K - 85	<b>WT</b> - WHITE	
		<b>927</b> - 2700K - 90		
		<b>930</b> - 3000K - 90		

**R4RD1T-\_\_\_-\_\_** Example: R4RD1T-N840-WT

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

ACCESSORIES			
LENS-73-HLD	Accessory Holder	LENS-73-GRN	Green Lens
LENS-73-HCM	Honeycomb Louver	LENS-73-RED	Red Lens
LENS-73-CRL	Cross Louver	LENS-73-FR	Frosted Lens
LENS-73-SNOOT	Snoot	LENS-73-SPR	Spread Lens
LENS-73-AMB	Amber Lens	LENS-73-BEL	Beam Elongating Lens
LENS-73-BLU	Blue Lens		

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

INTERCHANGEABLE REFLECTORS	
REF-R4-N	Narrow Flood Beam
REF-R4-F	Flood Beam
REF-R4-W	Wide Beam

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 "Spot - 15°" beam angle is available in 10W, 15W, and 22W.
4. The "Narrow Flood - 25°", "Flood - 45°", "Wide Flood - 60°" beam angles are available in 15W, 23W, and 34W.

wacarchitectural.com | WAC Architectural, a WAC Group brand.

WAC Group Headquarters  
 44 Harbor Park Drive  
 Port Washington, NY 11050

WAC Architectural  
 Phone (800) 526.2588  
 Fax (800) 526.2585

APR 2026 | P. 2 of 4

WAC GROUP

WAC Group retains the right to modify the design of our products at any time as part of the company's continuous improvement program.

## Volta

### Static White - 4.5" Shallow Regressed Downlight

R4RD1T | R4RD1L | R4SD1T | R4SD1L

Fixture Type: \_\_\_\_\_

Project: \_\_\_\_\_

Catalog#: \_\_\_\_\_

Location: \_\_\_\_\_

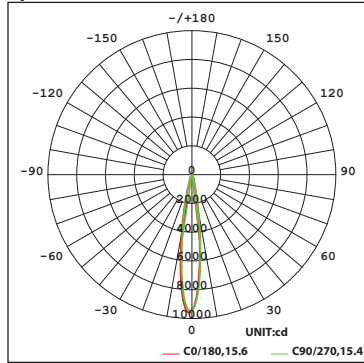
#### PERFORMANCE DATA

#### Polar Candela Distribution Charts

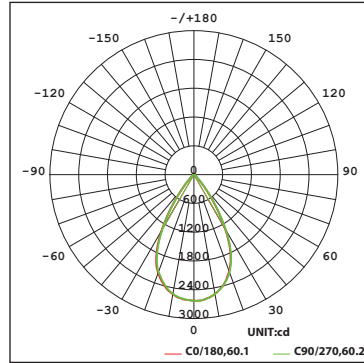
Samples shown with a 22W/34W (depending on beam angle) fixture set to 3000K and 90 CRI.

#### ROUND

Spot Beam: 15° Beam

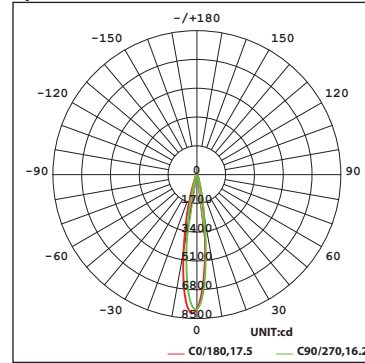


Wide Flood Beam: 60° Beam

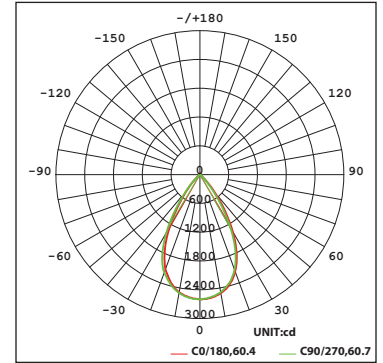


#### SQUARE

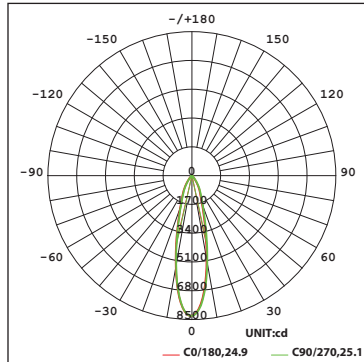
Spot Beam: 15° Beam



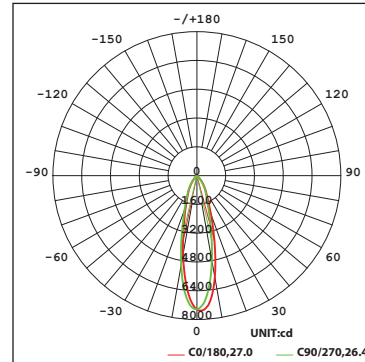
Wide Flood Beam: 60° Beam



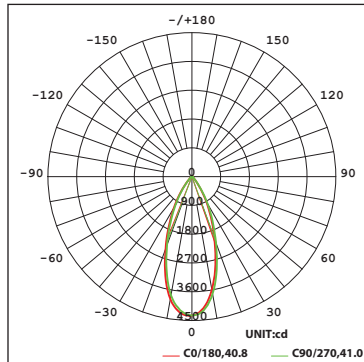
Narrow Flood Beam: 25° Beam



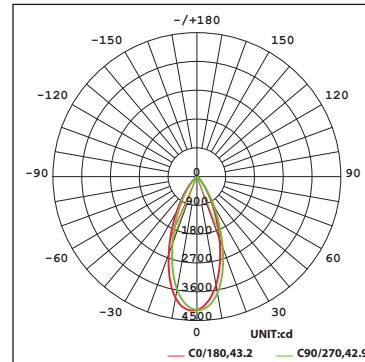
Narrow Flood Beam: 25° Beam



Flood Beam: 45° Beam



Flood Beam: 45° Beam



## Volta

### Static White - 4.5" Shallow Regressed Downlight

R4RD1T | R4RD1L | R4SD1T | R4SD1L

Fixture Type: \_\_\_\_\_

Project: \_\_\_\_\_

Catalog#: \_\_\_\_\_

Location: \_\_\_\_\_

### PERFORMANCE DATA

#### Unified Glare Rating (UGR) Table

UGR values shown are calculated for a Round Trim fixture with a 22W Spot Beam (15°) 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					
<b>x = 2H y = 2H</b>	8.8	9.5	9.0	9.7	9.9	9.0	9.7	9.3	9.9	10.1	
3H	8.8	9.5	9.1	9.7	9.9	9.1	9.7	9.4	9.9	10.2	
4H	8.8	9.4	9.1	9.7	9.9	9.1	9.7	9.3	9.9	10.2	
6H	8.8	9.3	9.1	9.6	9.9	9.0	9.6	9.3	9.8	10.1	
8H	10.3	10.8	10.6	11.1	11.4	9.1	9.6	9.4	9.9	10.2	
12H	11.6	12.1	11.9	12.4	12.7	9.1	9.7	9.4	9.9	10.2	
<b>4H</b>	2H	8.7	9.4	9.0	9.6	9.8	8.9	9.6	9.2	9.8	10.0
3H	8.8	9.3	9.1	9.6	9.9	9.0	9.6	9.4	9.9	10.2	
4H	8.8	9.3	9.1	9.6	9.9	9.0	9.5	9.4	9.8	10.2	
6H	8.7	9.2	9.1	9.5	9.9	9.0	9.4	9.4	9.8	10.1	
8H	11.1	11.6	11.6	11.9	12.3	9.4	9.8	9.8	10.2	10.6	
12H	12.8	13.2	13.2	13.6	14.0	9.8	10.1	10.2	10.5	11.0	
<b>8H</b>	4H	8.7	9.1	9.1	9.5	9.9	8.9	9.3	9.3	9.7	10.1
6H	9.0	9.4	9.5	9.8	10.3	9.1	9.4	9.5	9.8	10.3	
8H	12.3	12.6	12.8	13.0	13.5	10.9	11.2	11.3	11.6	12.1	
12H	14.1	14.4	14.6	14.8	15.4	11.9	12.1	12.4	12.6	13.1	
<b>12H</b>	4H	8.7	9.0	9.1	9.4	9.9	8.9	9.3	9.3	9.7	10.1
6H	9.7	10.0	10.2	10.5	10.9	9.7	10.0	10.2	10.5	11.0	
8H	12.9	13.2	13.4	13.7	14.2	11.8	12.1	12.3	12.6	13.1	

Round Fixture	Angle	UGR Range
Spot	15°	≤15
Narrow Flood	25°	≤11
Flood	45°	≤12
Wide Flood	60°	≤14

Square Fixture	Angle	UGR Range
Spot	15°	≤17
Narrow Flood	25°	≤13
Flood	45°	≤12
Wide Flood	60°	≤15

#### 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

wacarchitectural.com | WAC Architectural, a WAC Group brand.

WAC Group Headquarters  
44 Harbor Park Drive  
Port Washington, NY 11050

WAC Architectural  
Phone (800) 526.2588  
Fax (800) 526.2585

APR 2026 | P. 4 of 4

WAC GROUP