

## Volta

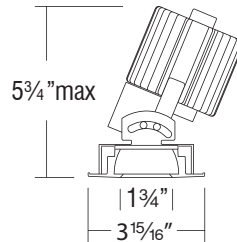
### Static White - 2" Pinhole

R2RPT | R2SPT

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. The Pinhole Volta fixtures are capable of adjusting 0-30° vertically and 365° horizontally with locking positions.

#### 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 $\varnothing$ $3\frac{9}{16}$ " Trimless $\varnothing$ $4\frac{1}{4}$ " Ceiling cut out (Square): Trim $3\frac{9}{16}$ " x $3\frac{9}{16}$ " Trimless $4\frac{1}{4}$ " x $4\frac{1}{4}$ " Accommodates $\frac{1}{2}$ " - $1\frac{1}{2}$ " ceiling thickness
<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 5,714 cd (Square Narrow Flood 20°, 4000K, CRI 85)
<b>Maximum Delivered Output:</b>	Up to 770 lm (Square Narrow Flood 20°, 4000K, CRI 85)
<b>Standards:</b>	ETL & cETL Wet location listed
<b>Warranty:</b>	5 year WAC Lighting guaranteed warranty

#### BEAM ANGLES



S - 12°



N - 20°

#### FINISHES



Black  
BK



Copper Bronze  
CB



Haze  
HZ



White  
WT

Model	Beam		Lumens Ref Output*	CBCP	Color Temp	CRI
R2RPT R2SPT	S 12°	Round	235	3380	827 - 2700K	85
		Square	285	4780	830 - 3000K	85
	N 20°	Round	555	4805	835 - 3500K	85
		Square	720	5340	840 - 4000K	85
					927 - 2700K	90
					930 - 3000K	90

Lumens and CBCP are reference values for 3000K Color Temperature and 85 CRI with 22 housing. Refer to Multiplier Table in Performance Data to determine other outputs.

## Volta

Static White - 2" Pinhole

R2RPT | R2SPT

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

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

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

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

### ORDERING INFORMATION

CONFIGURATION TABLE					
Model & Power	Beam	Color Temperature & CRI		Reflector Finish	Trim Finish
<b>R2RPT</b> <b>R2SPT</b>	<b>S:</b> Spot - 12°	<b>827</b> - 2700K - 85	<b>BK</b> - BLACK <b>CB</b> - COPPER <b>HZ</b> - HAZE <b>WT</b> - WHITE	-	
	<b>N:</b> Narrow Flood - 20°	<b>830</b> - 3000K - 85			
		<b>835</b> - 3500K - 85			
		<b>840</b> - 4000K - 85			
		<b>927</b> - 2700K - 90			
		<b>930</b> - 3000K - 90			

**R2RPT**-\_\_\_\_-\_\_ Example: R2RPT-N840-WT

HOUSINGS (Required)								
Model	Trim	Power	S	N,F,W	Rating	Driver	Emergency Backup	
New Construction Airtight	<b>R2RN</b> (Round)	<b>T</b> <i>Trim</i>	<b>15</b>	<i>10W</i>	<i>15W</i>	<i>IC</i>	<b>DEFAULT</b> <i>ELV, 0-10V</i>	<b>EM</b> <i>Optional</i>
	<b>R2SN</b> (Square)	<b>L</b> <i>Trimless</i>	<b>22</b>	<i>15W</i>	<i>22W</i>	<i>IC</i>		
New Construction Airtight Chicago Plenum	<b>R2RC</b> (Round)	<b>T</b> <i>Trim</i>	<b>15</b>	<i>10W</i>	<i>15W</i>	<i>IC</i>	<b>DEFAULT</b> <i>ELV, 0-10V</i>	<b>EM</b> <i>Optional</i>
	<b>R2SC</b> (Square)	<b>L</b> <i>Trimless</i>	<b>22</b>	<i>15W</i>	<i>22W</i>	<i>IC</i>		
Remodel Round or Square	<b>R2BR</b>	<b>T</b> <i>Trim</i>	<b>15</b>	<i>10W</i>	<i>15W</i>	<i>Non-IC</i>	<b>DEFAULT</b> <i>ELV, 0-10V</i>	<b>N/A</b>
			<b>22</b>	<i>15W</i>	<i>22W</i>	<i>Non-IC</i>		
Remodel	<b>R2RR</b> (Round) <b>R2SR</b> (Square)	<b>L</b> <i>Trimless</i>	<b>15</b>	<i>15W</i>	<i>15W</i>	<i>Non-IC</i>	<b>DEFAULT</b> <i>ELV, 0-10V</i>	<b>N/A</b>
			<b>22</b>	<i>22W</i>	<i>22W</i>	<i>Non-IC</i>		

ACCESSORIES			
LENS-16-HLD	<i>Accessory Holder</i>	LENS-16RED	<i>Red Lens</i>
LENS-16HCM	<i>Honeycomb Louver</i>	LENS-16FR	<i>Frosted Lens</i>
LENS-16CRL	<i>Cross Louver</i>	LENS-16SPR	<i>Spread Lens</i>
LENS-16AMB	<i>Amber Lens</i>	LENS-16BEL	<i>Beam Elongating Lens</i>
LENS-16BLU	<i>Blue Lens</i>		
LENS-16GRN	<i>Green Lens</i>		

CEILING ADAPTERS	
R2R-ADP1	<i>Round - ½" to 1" ceiling thickness</i>
R2R-ADP2	<i>Round - 1" to 1½" ceiling thickness</i>
R2S-ADP1	<i>Square - ½" to 1" ceiling thickness</i>
R2S-ADP2	<i>Square - 1" to 1½" ceiling thickness</i>

INTERCHANGEABLE REFLECTORS	
REF-R2-N	<i>Narrow Flood Beam</i>
REF-R2-F	<i>Flood Beam</i>
REF-R2-W	<i>Wide Beam</i>

### ORDERING NOTES

- The "White" trim finish is only available with the reflector finishes "Black" and "Haze".
- The "Spot - 12°" beam angle is available in 10W and 15W.
- The "Narrow Flood - 25°" beam angle is available in 15W and 22W.

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

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

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

APR 2026 | P. 2 of 4

WAC GROUP

# Volta

Static White - 2" Pinhole

R2RPT | R2SPT

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

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

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

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

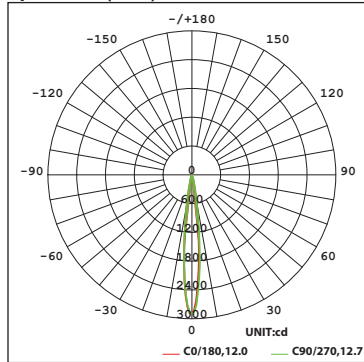
## PERFORMANCE DATA

### Polar Candela Distribution Charts

Samples shown with 3000K and 90 CRI.

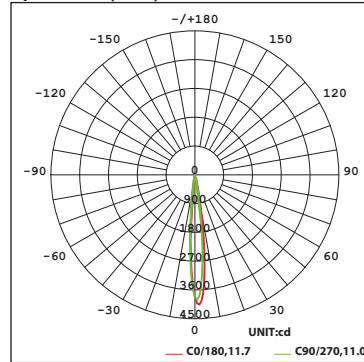
#### ROUND

Spot Beam (15W): 12° Beam

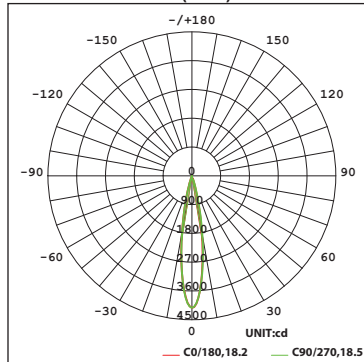


#### SQUARE

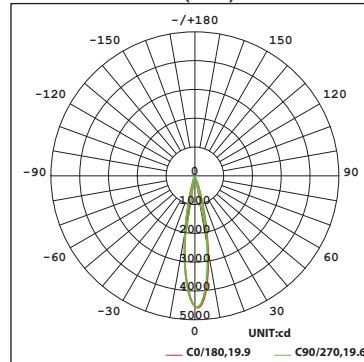
Spot Beam (15W): 12° Beam



Narrow Flood Beam (22W): 20° Beam



Narrow Flood Beam (22W): 20° Beam



# Volta

## Static White - 2" Pinhole

R2RPT | R2SPT

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

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

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

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

### PERFORMANCE DATA

#### Unified Glare Rating (UGR) Table

UGR values shown are calculated for a Round Trim fixture with a 15W Spot Beam (12°) 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	-4.9	-4.4	-4.7	-4.3	-4.1	-6.3	-5.9	-6.2	-5.7	-5.6	
3H	-5.0	-4.5	-4.8	-4.3	-4.2	-6.4	-6.0	-6.2	-5.8	-5.6	
4H	-5.0	-4.6	-4.8	-4.4	-4.2	-6.5	-6.0	-6.2	-5.8	-5.6	
6H	-4.5	-4.1	-4.2	-3.8	-3.6	-6.4	-6.0	-6.1	-5.8	-5.5	
8H	-4.3	-3.9	-4.0	-3.6	-3.4	-6.2	-5.8	-5.9	-5.5	-5.3	
12H	-4.1	-3.7	-3.8	-3.4	-3.2	-6.1	-5.7	-5.8	-5.5	-5.2	
4H	2H	-5.1	-4.6	-4.8	-4.4	-4.2	-6.5	-6.1	-6.3	-5.9	-5.6
3H	-5.2	-4.8	-4.9	-4.5	-4.3	-6.6	-6.2	-6.3	-6.0	-5.7	
4H	-5.2	-4.9	-4.9	-4.6	-4.3	-6.6	-6.3	-6.3	-6.0	-5.7	
6H	-4.5	-4.2	-4.2	-3.9	-3.5	-6.5	-6.1	-6.1	-5.8	-5.5	
8H	-4.2	-3.9	-3.8	-3.5	-3.2	-6.0	-5.7	-5.6	-5.3	-5.0	
12H	-3.8	-3.5	-3.4	-3.2	-2.8	-5.8	-5.5	-5.4	-5.2	-4.8	
8H	4H	-5.3	-5.0	-5.0	-4.7	-4.3	-6.7	-6.4	-6.3	-6.0	-5.7
6H	-4.5	-4.2	-4.1	-3.8	-3.4	-6.3	-6.0	-5.9	-5.6	-5.2	
8H	-3.8	-3.6	-3.4	-3.2	-2.7	-5.4	-5.1	-4.9	-4.7	-4.3	
12H	-3.4	-3.2	-2.9	-2.7	-2.3	-5.1	-4.9	-4.7	-4.5	-4.0	
12H	4H	-5.3	-5.1	-4.9	-4.7	-4.3	-6.7	-6.4	-6.3	-6.0	-5.6
6H	-4.4	-4.1	-3.9	-3.7	-3.3	-6.1	-5.8	-5.6	-5.4	-5.0	
8H	-3.5	-3.3	-3.0	-2.9	-2.4	-4.9	-4.7	-4.4	-4.3	-3.8	

Round Fixture	Angle	UGR Range
Spot	12°	≤0
Narrow Flood	20°	≤0

Square Fixture	Angle	UGR Range
Spot	12°	≤0
Narrow Flood	20°	≤0

#### 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
22		0.95	0.81	1.00	0.86	1.05	1.07
15		0.66	0.56	0.69	0.59	0.72	0.74