

# R4RD1L, R4SD1L

4.5" Volta

Shallow Regressed Downlight Trimless

# WAC LIGHTING

Responsible Lighting®



Fixture Type:

Catalog Number:

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

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

## 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.

## FEATURES

- Increased field angle for reduced scalloping
- Low ceiling and close-to-wall applications
- Field selectable light engine height for cut-off angle adjustment (32° - 40°) and accessory use
- Integral patterned tempered trim lens included standard
- Compatible with wide range of accessories
- 5 year WAC Lighting product warranty

## SPECIFICATIONS

- Construction:** Durable die-cast aluminum construction
- Input:** Universal 120 - 277V AC 50/60 Hz
- Dimming:** Electronic Low Voltage (ELV): 100%-5%  
0-10V: 100%-0%  
Lutron Hi-Lume 1% Ecosystem Fade-to-Black option
- Light Source:** High output 3-step Mac Adam Ellipse COB  
Rated life of 50,000 hours at L70
- Mounting:** Heavy gauge retention clips support trim firmly. Safety cabling standard.  
Ceiling cut out (Round): Ø 5 1/8"  
Ceiling cut out (Square): 5 1/8" x 5 1/8"  
Accommodates 1/2" - 1 1/2" ceiling thickness  
Remodel Trimless: 1/2" - 1" ceiling thickness
- Finish:** Electrostatically powder coated White, Black. Enamel coated Haze. Plated and brushed Bronze
- Standards:** ETL & cETL Wet location Listed, Energy Star® 2.0, Title 24 JA8-2016 Compliant

## TRIMS (ORDER HOUSING SEPARATELY)

Model	Beam Angle	Reference Output*			Color Temp	CRI	Finishes	Reflector/Trim
		Lumens	CBCP	Lumens/Watt				
 <b>R4RD1L</b> <i>Round</i>	<b>S</b> 15°	1415	11290	66	<b>827</b> 2700K 85 <b>927</b> 2700K 90 <b>830</b> 3000K 85 <b>930</b> 3000K 90 <b>835</b> 3500K 85 <b>840</b> 4000K 85	<b>BK</b> Black <b>HZ</b> Haze <b>WT</b> White <b>CB</b> Bronze		
	<b>N</b> 25°	3160	9655	93				
	<b>F</b> 45°	3035	5070	89				
	<b>W</b> 60°	2925	3065	87				
<b>R4SD1L</b> <i>Square</i>	<b>S</b> 15°	1450	9650	67				
	<b>N</b> 25°	3385	8760	100				
	<b>F</b> 45°	3290	4880	97				
	<b>W</b> 60°	3125	3030	92				

\*Reference output shows **830**(85CRI 3000K) trim with **36** housing. Use multiplier table below to determine the output for other combinations.

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

R4\_D1L-\_\_\_\_\_ - \_\_\_\_\_

Example: **R4RD1L-S827-WT**

Please see next page for housing units(required)

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## HOUSINGS (REQUIRED)

	Model	Power*	S	N, F, W	Rating	Driver	Emergency Backup
<b>Round New Construction</b> 	<b>R4RNL</b> Airtight	<b>15</b>	10W	15W	IC rated	<b>DEFAULT</b>	ELV, 0-10V Lutron Hi-Lume 1%
	<b>R4RCL</b> Airtight, Chicago Plenum	<b>25</b> <b>36</b>	15W 22W	23W 34W	IC rated Non-IC	<b>L1</b>	
<b>Square New Construction</b> 	<b>R4SNL</b> Airtight,	<b>15</b>	10W	15W	IC rated	<b>DEFAULT</b>	ELV, 0-10V Lutron Hi-Lume 1%
	<b>R4SCL</b> Airtight, Chicago Plenum	<b>25</b> <b>36</b>	15W 22W	23W 34W	IC rated Non-IC	<b>L1</b>	
<b>Remodel</b> 	<b>R4RRL</b> Round Trimless <b>R4SRL</b> Square Trimless	<b>15</b> <b>25</b> <b>36</b>	10W 15W 22W	15W 23W 34W	Non-IC Non-IC Non-IC	<b>DEFAULT</b>	ELV, 0-10V N/A

\*Power consumption depends on beam angle of the trim.

### Field Replaceable Driver

**R4** -  
Example: **R4RNL-15** or **R4RNL-15EM** (with Emergency backup battery)  
Trimless housings come included with die-cast spackle frame.

<b>D-R4N-15</b>	Driver for 15W New Construction Hsg
<b>D-R4N-25</b>	Driver for 23W New Construction Hsg
<b>D-R4N-36</b>	Driver for 34W New Construction Hsg

## FIELD CHANGEABLE GLARE CONTROL AND OPTIC SYSTEM

Accessory holder  
Holds up to two lenses or  
One lens and one glare control

Optical cartridge  
Allows tool-less exchange of reflectors



Reflector  
For narrow flood, flood, and wide flood.  
Spot distribution features dedicated module.

### Accessory holder

**LENS-73-HLD** Required to hold lens and glare control accessories

### Glare control accessories

**LENS-73-HCL** Honeycomb Louver  
**LENS-73-CRL** Cross Louver

### Lens

**LENS-73-AMB** Amber lens  
**LENS-73-RED** Red lens  
**LENS-73-FR** Frosted lens  
**LENS-73-SPR** Spread lens  
**LENS-73-BEL** Beam Elongating

### Interchangeable Reflector

**REF-R4-N** Narrow Flood beam reflector  
**REF-R4-F** Flood beam reflector  
**REF-R4-W** Wide beam reflector

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