

R4RAL, R4SAL

4.5" Volta - Adjustable 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

- Center beam alignment retained throughout adjustment range
- 0-45° vertical and 365° horizontal lockable hot aiming
- Indexed vertical scaling for precise and accurate alignment
- Integral patterned tempered trim lens included standard
- Compatible with a 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 ceiling thickness of 1/2" - 1" up to 45°, 1 1/2" up to 35°
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, Title 24 JA8-2016 Compliant

TRIMS (ORDER HOUSING SEPARATELY)

Model	Beam Angle	Reference Output*			Color Temp	CRI	Finishes	Reflector/Trim
		Lumens	CBCP	Lumens/Watt				
 R4RAL <i>Round</i>	S 15°	1215	10910	56	827 2700K 85 927 2700K 90 830 3000K 85 930 3000K 90 835 3500K 85 840 4000K 85	BK Black HZ Haze WT White CB Bronze		
	N 25°	2340	9250	69				
	F 40°	2085	4720	63				
 R4SAL <i>Square</i>	S 15°	1140	9175	53				
	N 20°	1960	8340	57				
	F 40°	1770	4495	52				

*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
HOUSING 36	0.95	0.81	1.00	0.86	1.05	1.07
HOUSING 25	0.66	0.56	0.69	0.59	0.73	0.74
HOUSING 15	0.43	0.37	0.45	0.39	0.48	0.49

R4 AL- _____ - _____

Example: **R4RAL-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
<p>Round New Construction</p>	R4RNL Airtight	15	10W	15W	IC rated	DEFAULT	EM
	R4RCL Airtight, Chicago Plenum	25 36	15W 22W	23W 34W	IC rated Non-IC	L1 ELV, 0-10V Lutron Hi-Lume 1%	
<p>Square New Construction</p>	R4SNL Airtight,	15	10W	15W	IC rated	DEFAULT	EM
	R4SCL Airtight, Chicago Plenum	25 36	15W 22W	23W 34W	IC rated Non-IC	L1 ELV, 0-10V Lutron Hi-Lume 1%	
<p>Remodel</p>	R4RRL Round Trimless	15	10W	15W	Non-IC	DEFAULT	N/A
R4SRL Square Trimless	25 36	15W 22W	23W 34W	Non-IC Non-IC	ELV, 0-10V		

*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.

D-R4N-15	Driver for 15W New Construction Hsg
D-R4N-25	Driver for 23W New Construction Hsg
D-R4N-36	Driver for 34W New Construction Hsg

FIELD CHANGEABLE GLARE CONTROL AND OPTIC SYSTEM

Note: Maximum 35° vertical adjustment with accessory use

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-73-SNOOT Snoot

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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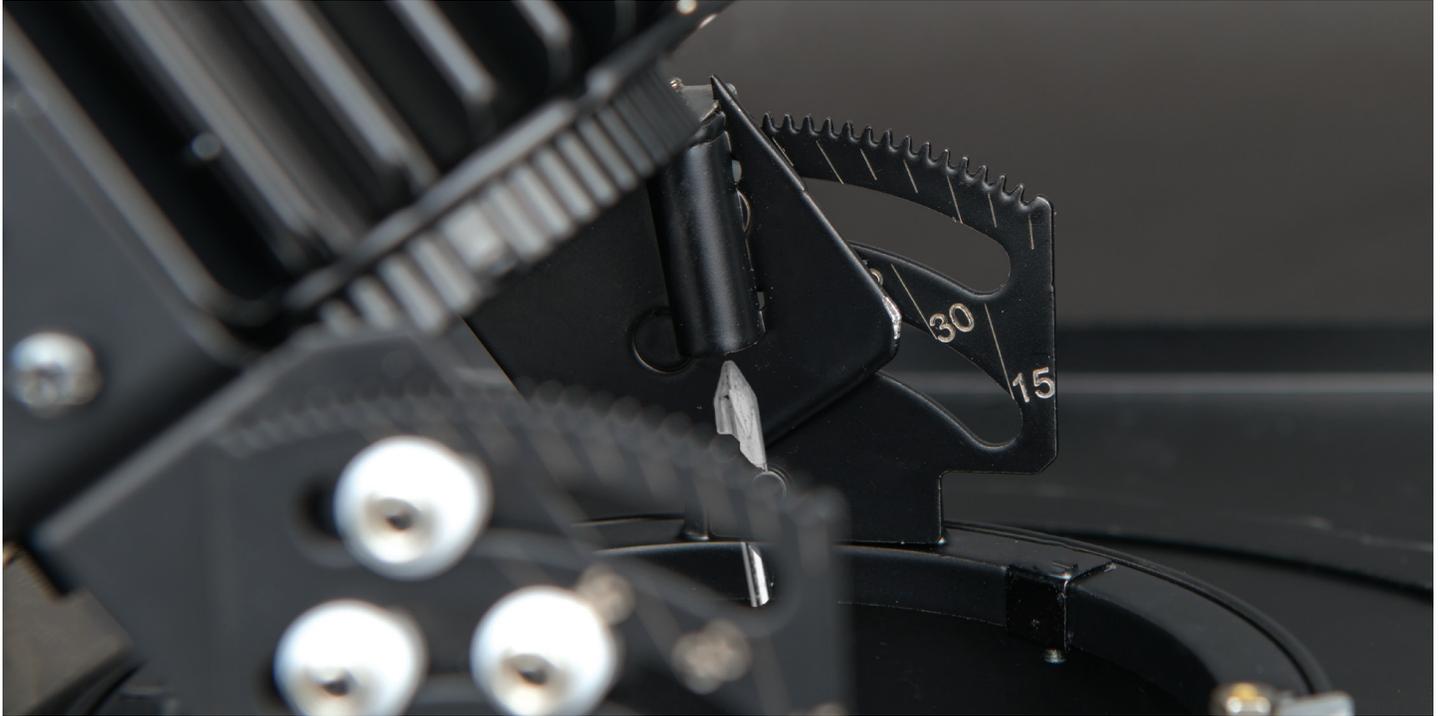
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FIELD CHANGEABLE AIMING



0 - 45° vertical lockable hot aiming



365° horizontal lockable hot aiming

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