

R4RAL, R4SAL

4.5" Volta - Adjustable Invisible Trim

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% (120V only)
0-10V: 100%-0% (120 - 277V)

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°

Finish: Electrostatically powder coated White, Black. Enamel coated Haze.

Standards: ETL & cETL Wet location Listed

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°	1250	11865	54	827 2700K 85 927 2700K 90 830 3000K 85 930 3000K 90 835 3500K 85 840 4000K 85	BK HZ WT	<i>Black</i> <i>Haze</i> <i>White</i>	
	N 25°	2365	7173	67				
	F 40°	2200	3947	62				
 R4SAL <i>Square</i>	S 15°	1210	12465	52				
	N 20°	1650	8310	47				
	F 40°	1500	4020	42				

*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	0.937	0.764	1.000	0.815	1.045	1.054
HOUSING 25	0.685	0.558	0.731	0.596	0.764	0.770
HOUSING 15	0.456	0.371	0.486	0.396	0.508	0.512

R4 AL - _____ - _____

Example: **R4RAL-S827-WT**

Please see next page for housing units(required)

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Central Distribution Center
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HOUSINGS (REQUIRED)

		Model	Power*	S	N, F	Rating	Emergency Backup
	R4RNL	Airtight	15	10W	15W	IC rated	EM Emergency backup battery (OPTIONAL)
	R4RCL	Airtight, Chicago Plenum	25	15W	25W	IC rated	
			36	23W	36W	Non-IC	
	R4SNL	Airtight	15	10W	15W	IC rated	EM Emergency backup battery (OPTIONAL)
	R4SCL	Airtight, Chicago Plenum	25	15W	25W	IC rated	
			36	23W	36W	Non-IC	

Invisible Trim housings come included with die-cast spackle flange.

R4_____

Example: **R4RNL-15** or **R4RNL-15EM** (with Emergency backup battery)

Invisible Trim housings come included with die-cast spackle frame.

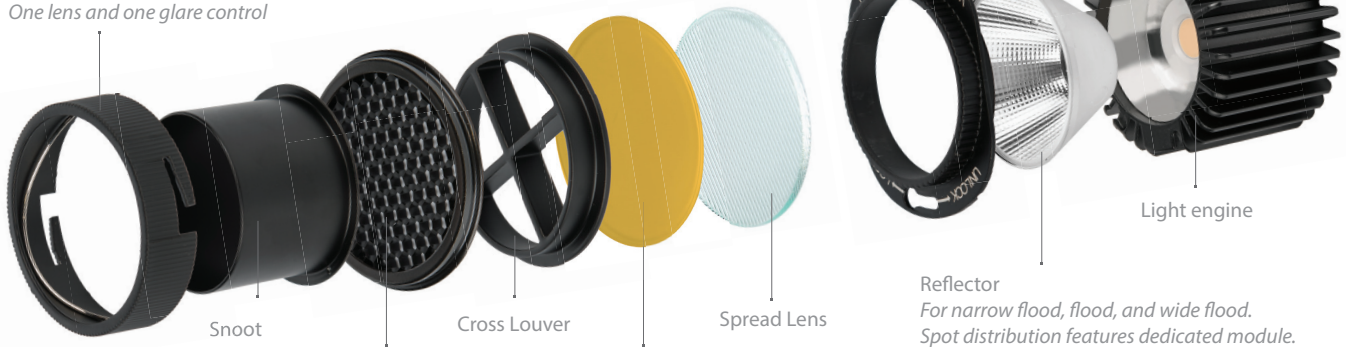
Field Replaceable Driver

D-R4N-15	Driver for 15W New Construction Hsg
D-R4N-25	Driver for 25W New Construction Hsg
D-R4N-36	Driver for 36W 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 beam reflector
REF-R4-F Flood beam reflector
REF-R4-W Wide beam reflector

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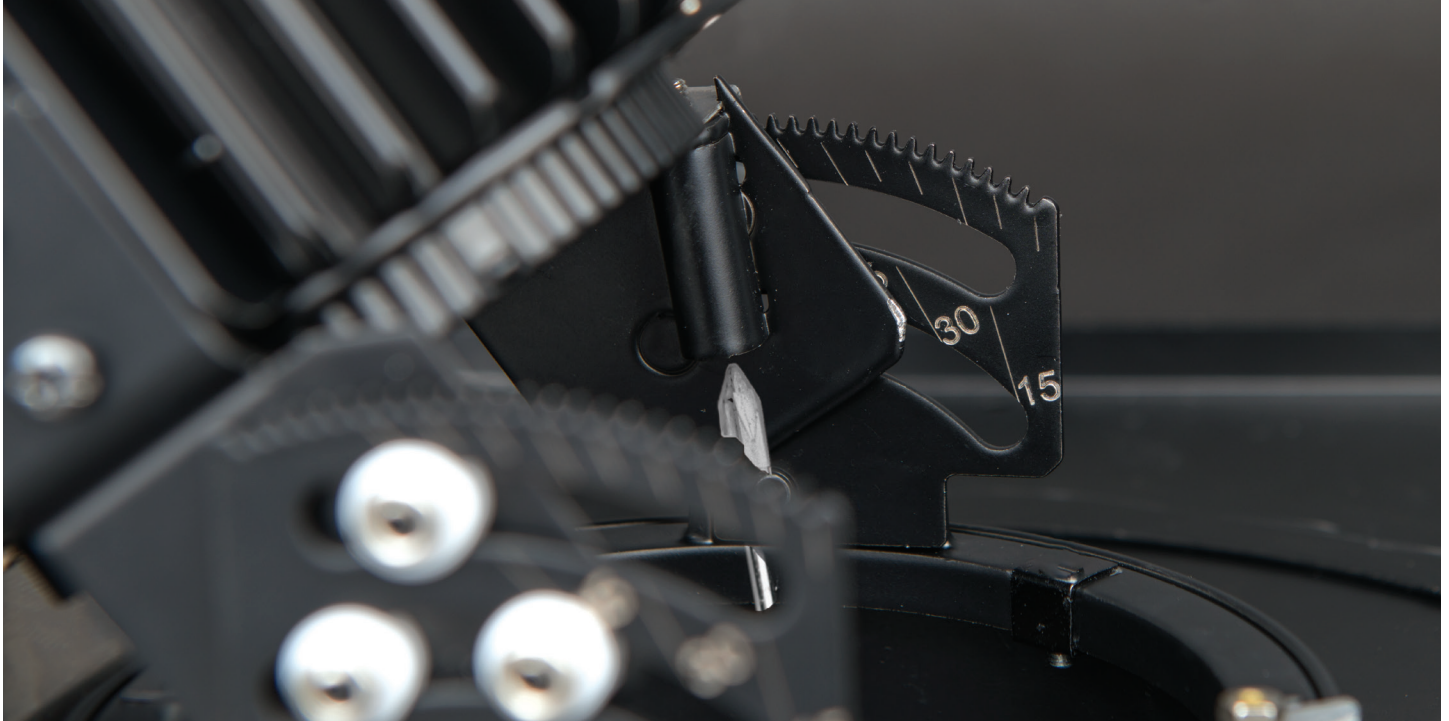
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FIELD CHANGEABLE AIMING



0 - 45° vertical lockable hot aiming



365° horizontal lockable hot aiming

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