

R4RD1T, R4SD1T

4.5" Volta - Shallow Regressed Downlight 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

- 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 self flanged 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 1/2" - 1 1/2" ceiling thickness

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	Lumen/Watt				
 R4RD1T <i>Round</i>	S 15°	1390	12200	60	827 2700K 85 927 2700K 90 830 3000K 85 930 3000K 90 835 3500K 85 840 4000K 85	BK Black BKWT Black/White HZ Haze HZWT Haze/White WT White		
	N 25°	2678	8866	74				
	F 45°	2422	4261	67				
	W 60°	2321	2505	64				
 R4SD1T <i>Square</i>	S 15°	1436	12664	62				
	N 25°	2797	8556	78				
	F 45°	2762	4779	77				
	W 60°	2563	2445	71				

*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
25	0.685	0.558	0.731	0.596	0.764	0.770
15	0.456	0.371	0.486	0.396	0.508	0.512

R4_D1T-_____ - _____

Example: **R4RD1T-S827-HZWT**

Please see next page for housing units(required)

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HOUSINGS (REQUIRED)

	Model	Power*	S	N, F, W	Rating	Emergency Backup
Round New Construction 	R4RNT <i>Airtight</i>	15	10W	15W	IC rated	EM <i>Emergency backup battery (OPTIONAL)</i>
	R4RCT <i>Airtight, Chicago Plenum</i>	25	15W	25W	IC rated	
		36	23W	36W	Non-IC	
Square New Construction 	R4SNT <i>Airtight</i>	15	10W	15W	IC rated	EM <i>Emergency backup battery (OPTIONAL)</i>
	R4SCT <i>Airtight, Chicago Plenum</i>	25	15W	25W	IC rated	
		36	23W	36W	Non-IC	
Remodel 	R4BRT <i>Round or Square</i>	15	10W	15W	Non-IC	N/A
		25	15W	25W	Non-IC	
		36	23W	36W	Non-IC	

*Power consumption depends on beam angle of the trim.

R4 -
 Example: **R4RNT-15** or **R4RNT-15EM** (with Emergency backup battery)

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

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

Optical cartridge
 Allows tool-less exchange of reflectors



Accessory holder

LENS-73-HLD

Required to hold lens and glare control accessories

Glare control accessories

LENS-73-HCL LENS-73-CRL

Honeycomb Louver
 Cross Louver

Lens

LENS-73-AMB LENS-73-RED LENS-73-FR LENS-73-SPR LENS-73-BEL

Amber lens
 Red lens
 Frosted lens
 Spread lens
 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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