

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%
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

Finish: Electrostatically powder coated White, Black, Enamel coated Haze, Plated and brushed copper 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	Lumen/Watt				
 R4RD1T Round	S 15°	1415	11290	66	827 2700K 85 927 2700K 90 830 3000K 85 930 3000K 90 835 3500K 85 840 4000K 85	BK Black BKWT Black/White CB Copper Bronze HZ Haze HZWT Haze/White WT White		
	N 25°	3160	9655	93				
	F 45°	3035	5070	89				
	W 60°	2925	3065	87				
R4SD1T Square	S 15°	1450	9650	67				
	N 25°	3385	8760	100				
	F 45°	3290	4880	97				
	W 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
HOUSING 36	0.95	0.81	1.00	0.86	1.05	1.07
25	0.66	0.56	0.69	0.59	0.73	0.74
15	0.43	0.37	0.45	0.39	0.48	0.49

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	Driver	Emergency Backup
Round New Construction 	R4RNT Airtight,	15	10W	15W	IC rated	DEFAULT	EM
	R4RCT Airtight, Chicago Plenum	25 36	15W 22W	23W 34W	IC rated Non-IC	L1 ELV, 0-10V Lutron Hi-Lume 1%	
Square New Construction 	R4SNT Airtight,	15	10W	15W	IC rated	DEFAULT	EM
	R4SCT Airtight, Chicago Plenum	25 36	15W 22W	23W 34W	IC rated Non-IC	L1 ELV, 0-10V Lutron Hi-Lume 1%	
Remodel 	R4BRT Round or Square	15 25 36	10W 15W 22W	15W 23W 34W	Non-IC Non-IC Non-IC	DEFAULT	N/A

*Power consumption depends on beam angle of the trim.

Field Replaceable Driver

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

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

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	Interchangeable Reflector
LENS-73-HLD Required to hold lens and glare control accessories	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	REF-R4-N Narrow Flood beam reflector REF-R4-F Flood beam reflector REF-R4-W Wide beam reflector
Glare control accessories LENS-73-HCL Honeycomb Louver LENS-73-CRL Cross Louver		

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