R2RD2T, R2SD2T
2" Volta - 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

• 1" regressed lens for superior glare control
• 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 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 Trimmed: Ø 3 ⁹⁄₁₆" Invisible Trim: Ø 4 ¼"
Ceiling cut out Square Trimmed: 3 ⁹⁄₁₆" x 3 ⁹⁄₁₆" Invisible Trim: 4 ¼" x 4 ¼"
Accomodates 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

Model		Beam			Lumens Reference Output*	CBCP	Color Temp		CRI	Finishes	Reflector/Trim
	S	12°	Round	390	5515		**827**	2700K	85		
			Square	405	5405					**BK**	Black
R2RD2T Round Trim	**N**	25°	Round	1260	6030		**830**	3000K	85	**BKWT**	Black/White
R2SD2T Square Trim			Square	1375	5505		**835**	3500K	85	**CB**	Copper Bronze
	F	40°	Round	1305	3355		**840**	4000K	85	**HZ**	Haze
			Square	1390	3110					**HZWT**	Haze/White
	W	60°	Round	830	1175		**927**	2700K	90	**WT**	White
			Square	985	1115		**930**	3000K	90		

5½"   1"   2½"   3¹⁵⁄₁₆"

R2__D2T-_____-_____

Example: **R2SD2T-N840-WT**

*Reference output shows **830**(85CRI 3000K) trim with **22** housing. Use multiplier table below to determine the output for other combinations.

Multiplier		TRIM					
		827	**927**	**830**	**930**	**835**	**840**
HOUSING	**22**	0.95	0.81	1.00	0.86	1.05	1.07
	15	0.66	0.56	0.69	0.59	0.72	0.74

Example: **R2SD2T-N840-WT** with **15** housing: 1375 lm (Reference Output) x 0.74 (Multiplier) = 1018 lm

5505 CBCP (Reference Output) x 0.74 (Multiplier) = 4074 CBCP

Please see next page for housing units(required)

WAC Lighting retains the right to modify the design of our products at any time as part of the company's continuous improvement program. OCT 2017

HOUSING (Required)		Model	Trim	Power	Emergency Backup
New Construction Airtight IC	5½" / ⅜" / 2" (EM option) / 9¹⁵⁄₁₆" min / 24½" max / 9¹⁵⁄₁₆" / 5½" / 14¾" / 18"	**R2RN** *Round* **R2RC** *Round Chicago Plenum* **R2SN** *Square* **R2SC** *Square Chicago Plenum*	**T** *Trim* **L** *Invisible Trim*	**15** *15W IC* **22** *22W IC*	**EM** *Optional*
Remodel Non-IC	7⅝" / 2¹⁵⁄₁₆" / 24" max / 7" / 1⁵⁄₁₆"	**R2BR**	**T** *Trim*	**15** *15W Non-IC* **22** *22W Non-IC*	*N/A*
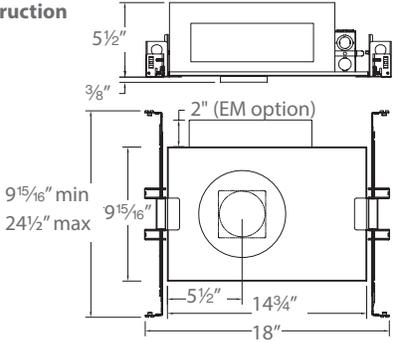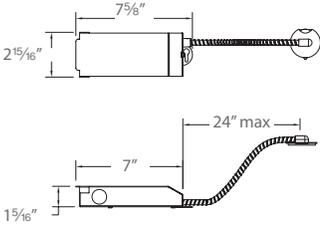
R2_____-_____

Example: **R2RNT-15** or
R2RNT-15EM (with Emergency backup battery)

WOOD AND METAL CEILING ADAPTERS

Round		Square	
R2R-ADP1	½" to 1" ceiling thickness	**R2S-ADP1**	½" to 1" ceiling thickness
R2R-ADP2	1" to 1½" ceiling thickness	**R2S-ADP2**	1" to 1½" ceiling thickness

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

Light engine

Trim

Honeycomb Louver

Color Lens

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

ACCESSORY HOLDER sold separately

LENS-16-HLD	Required for use with any lens or accessory

GLARE CONTROL ACCESSORIES

LENS-16	**HCM**	Honeycomb Louver
	CRL	Cross Louver

INTERCHANGEABLE REFLECTORS

REF-R2-N	Narrow Flood beam
REF-R2-F	Flood beam
REF-R2-W	Wide beam

LENS ACCESSORIES

LENS-16	**AMB**	Amber
	RED	Red
	FR	Frosted
	SPR	Spread
	BEL	Beam Elongating