

R4RD2T, R4SD2T

4.5" 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

- 2" lens regress for superior glare control
- Field selectable light engine height for cut-off angle adjustment (30° - 34°) 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 | | | | |
| | R4RD2T Round | S 15° | 1405 | 11420 | 65 | 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° | 3145 | 9615 | 94 | | | |
| | | F 45° | 3025 | 5005 | 90 | | | |
| | | W 60° | 2895 | 3125 | 85 | | | |
| | R4SD2T Square | S 15° | 1440 | 11985 | 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° | 3350 | 9820 | 99 | | | |
| | | F 45° | 3200 | 4935 | 95 | | | |
| | | W 60° | 3060 | 3055 | 90 | | | |

*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_D2T-_____ - _____

Example: **R4RD2T-5827-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 | |
|-------------------------------|---|---|-------------------------------------|-------------------------------------|--------------------------------|---|---|------------------------------|
| <p>Round New Construction</p> | R4RNT Airtight R4RCT Airtight, Chicago Plenum | 15 25 36 | 10W 15W 22W | 15W 23W 34W | IC rated IC rated Non-IC | DEFAULT L1 ELV, 0-10V Lutron Hi-Lume 1% | EM | |
| | <p>Square New Construction</p> | R4SNT Airtight R4SCT Airtight, Chicago Plenum | 15 25 36 | 10W 15W 22W | 15W 23W 34W | IC rated IC rated Non-IC | DEFAULT L1 ELV, 0-10V Lutron Hi-Lume 1% | EM |
| | | <p>Remodel</p> | R4BRT Round or Square | 15 25 36 | 10W 15W 22W | 15W 23W 34W | Non-IC Non-IC Non-IC | DEFAULT ELV, 0-10V |

*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 23W New Construction Hsg |
| D-R4N-36 | Driver for 34W 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



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 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 REF-R4-F REF-R4-W | Narrow Flood beam reflector Flood beam reflector Wide beam reflector |

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