

R4RD1L, R4SD1L

4.5" Volta

Shallow Regressed Downlight Trimless

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 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 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 | Lumens/Watt | | | | | |
| | R4RD1L <i>Round</i> | S 15° | 1415 | 11290 | 66 | 827 2700K 85 927 2700K 90 830 3000K 85 930 3000K 90 835 3500K 85 840 4000K 85 | BK | <i>Black</i> | |
| | | N 25° | 3160 | 9655 | 93 | | | | |
| | | F 45° | 3035 | 5070 | 89 | | | | |
| | | W 60° | 2925 | 3065 | 87 | | | | |
| | R4SD1L <i>Square</i> | 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 |
| 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_D1L-_____ - _____

Example: **R4RD1L-S827-WT**

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> | R4RNL | Airtight | 15 | 10W | 15W | IC rated | DEFAULT ELV, 0-10V L1 Lutron Hi-Lume 1% | EM |
| | R4RCL | Airtight, Chicago Plenum | 25 | 15W | 23W | IC rated | | |
| | | | 36 | 22W | 34W | Non-IC | | |
| <p>Square New Construction</p> | R4SNL | Airtight | 15 | 10W | 15W | IC rated | DEFAULT ELV, 0-10V L1 Lutron Hi-Lume 1% | EM |
| | R4SCL | Airtight, Chicago Plenum | 25 | 15W | 23W | IC rated | | |
| | | | 36 | 22W | 34W | Non-IC | | |

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

Trimless housings come included with die-cast spackle frame.

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 Honeycomb Louver
LENS-73-CRL Cross Louver

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

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