

# VELLA 3" RESIDENTIAL DOWNLIGHT

VM060-VF62RA02

By VONN Lighting

VONN

PROJECT:

TYPE:

CATALOG#:

DATE:



## DESCRIPTION

The VELLA-Residential series is ideal for precise spot lighting or accent lighting, offering an almost invisible light aperture. Its highly modular design includes numerous mounting rings in both round and square options, available in adjustable and fixed configurations with various wattages to suit different needs. Additionally, a honeycomb filter can be added to maximize visual comfort.

## FEATURES

- Elegant & compact in its style, versatile in its using.
- Precise light control, 15°, 24°, 38°, 55° beam lens options.
- Numerous mounting rings with round & square and adjustable & fixed options.
- Super modular design, replaceable mounting ring, beam lens and anti-glare accessories without any need for tools.
- Standard Dry Rated, optional Damp or Wet Rated
- Trim finish options: Matte Black, Matte White
- UGR<19

## SPECIFICATION

|                         | VM060                                                                                                                                                                                           |        |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| WATTAGE                 | 10W                                                                                                                                                                                             | 15W    |
| LUMEN OUTPUT            | 918lm                                                                                                                                                                                           | 1218lm |
| BEAM OPTICS             | Narrow Spot 15°, Spot 24°, Flood 38°, Wide Flood 55°                                                                                                                                            |        |
| COLOR TEMP.             | Static White: <input type="checkbox"/> 2700K, <input type="checkbox"/> 3000K, <input type="checkbox"/> 3500K, <input type="checkbox"/> 4000K, <input type="checkbox"/> Dim To Warm: 2000K-3000K |        |
| COLOR QUALITY           | 80+/90+, 3-step SDCM                                                                                                                                                                            |        |
| INPUT WATTAGE           | 10W                                                                                                                                                                                             | 15W    |
| INPUT VOLTAGE           | 120/277V input, 50/60Hz                                                                                                                                                                         |        |
| POWER FACTOR            | Greater than 0.9                                                                                                                                                                                |        |
| DIMMING TYPE            | Triac dimming & 0-10V dimming range: 1%-100%                                                                                                                                                    |        |
| CEILING THICKNESS       |  3/64" - 25/32" (1mm-20mm)<br>Spring clip                                                                    |        |
| INSTALLATION            | New Construction, Remodel, IC Rated Housing                                                                                                                                                     |        |
| ETL LISTINGS            | ETL Listed to US and Canadian standards for damp locations. (IC) ETL listed for direct contact w/insulation.                                                                                    |        |
| WARRANTY                | 5 year limited warranty                                                                                                                                                                         |        |
| AMBIENT OPERATING TEMP. | -20°C to 40°C                                                                                                                                                                                   |        |
| LUMEN MAINTENANCE       | 80% of initial lumens at 5000 hours (L80)                                                                                                                                                       |        |

1. Approximate lumen output based on 3000K performance, see photometric test results for additional information.

2. 20W Can be IC-Rated housing.

Theoretical Lumens: XXX LM (subject to change)

Theoretical Wattage: XXX W (subject to change)

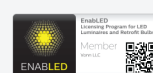
\*\*\*Please note lumens and wattage are subject to change and will be determined post production of the first articles.

\*Any custom modifications are subject to minimum order quantity. (M.O.Q.)

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3323 NE 163rd St, PH-706  
North Miami Beach, FL 33160  
WWW.VONN.COM 888.604.8666

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| VM060      | VF   | 6                       | 2                | -                       | -                            | -                   | -                      | -              | -             | -                | -                     |
|------------|------|-------------------------|------------------|-------------------------|------------------------------|---------------------|------------------------|----------------|---------------|------------------|-----------------------|
| Led Module | Trim | Dimensions of trim      | Application      | Trim Shape              | Trim Style                   | Flangeless Trim     | Safety Standard        | Voltage        | Lumen Output  | Dimming Methods  | Including Housing     |
| VM060      | VF   | 6<br>Nominal size: 60mm | 2<br>Residential | RA<br>Round Adjustable  | 01<br>Wide Frame Big Pinhole | NA<br>Not Available | A<br>American Standard | SV<br>120V     | L08<br>800lm  | V<br>0-10V       | C<br>New Construction |
|            |      |                         |                  | RF<br>Round adjustable  | 02<br>Deep Frame             |                     |                        | MV<br>120-277V | L12<br>1200lm | T<br>Triac       | R<br>Remodel          |
|            |      |                         |                  | SA<br>Square adjustable | 03<br>Inner                  |                     |                        |                |               | X<br>0-10V/Triac | H<br>Housing          |
|            |      |                         |                  |                         | 04<br>Round Pinhole          |                     |                        |                |               |                  |                       |

**ACCESSORIES** (TO BE ORDERED SEPARATELY)  
FOR INSTALLATION CONSULT THE INSTRUCTION SHEET

## OPTICAL ACCESSORY

 **HONEYCOMB FILTER**  
VM060-H



 **SOFT LENS**  
VM060-L



## LUMEN MULTIPLIERS

| CCT   | MULTIPLIER |
|-------|------------|
| 2700K | 0.95       |
| 3000K | 1.00       |
| 3500K | 1.03       |
| 4000K | 1.06       |

| CRI | MULTIPLIER |
|-----|------------|
| 80+ | 1.23       |
| 90+ | 1.00       |

| STANDARD TRIM                | MULTIPLIER |
|------------------------------|------------|
| VF62RA01 (Round adjustable)  | 1.00       |
| VF62RA02 (Round adjustable)  | 0.99       |
| VF62RA03 (Round adjustable)  | 1.25       |
| VF62RA04 (Round adjustable)  | 0.5        |
| VF62RA05 (Round adjustable)  | 0.5        |
| VF62SA05 (Square adjustable) | 0.6        |
| VF62RF01 (Round adjustable)  | 0.7        |
| VF62RF02 (Round adjustable)  | 1.2        |
| VF62RF03 (Round adjustable)  | 1.22       |

## Applying Lumen Multipliers to Calculate Delivered Lumens

| Base Fixture Delivered Lumens (from PHOTOMETRIC DATA)  | x | CCT Multiplier | x | CRI Multiplier | x | TRIM Multiplier | = | Delivered Lumens for Desired Fixture |
|--------------------------------------------------------|---|----------------|---|----------------|---|-----------------|---|--------------------------------------|
| <b>STANDARD TRIM Example: VM060-VF62RF01 3500K 80+</b> |   |                |   |                |   |                 |   |                                      |
| 805.99 lm                                              | x | 1.03           | x | 1.23           | x | 0.7             | = | 714.77 lm                            |

Theoretical Lumens: XXX LM (subject to change)

Theoretical Wattage: XXX W (subject to change)

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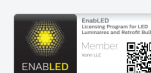
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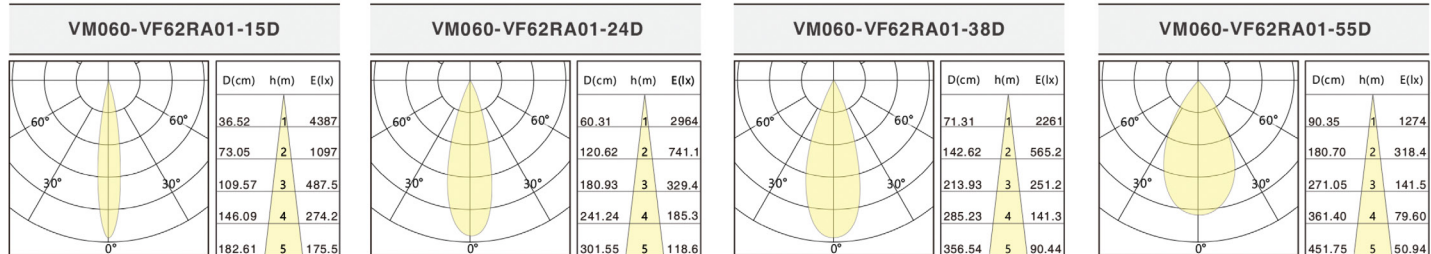
DATE:

## PHOTOMETRIC DATA (NON-DIMMING)

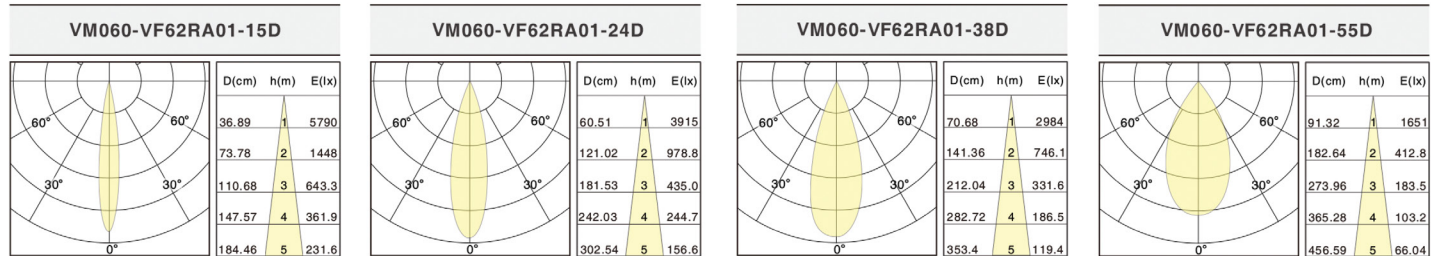
| CCT (K) | CRI | LOAD (W) | BEAM OPTIC | LUMENS (lm) | EFFICACY (lm/w) | MAX CANDELA (cd) |
|---------|-----|----------|------------|-------------|-----------------|------------------|
| 3000K   | 90  | 10W      | 15°        | 805         | 80              | 4384             |
|         |     |          | 24°        | 918         | 91              | 2963             |
|         |     |          | 38°        | 906         | 90              | 2262             |
|         |     |          | 55°        | 847         | 84              | 1272             |
|         |     | 15W      | 15°        | 1085        | 79              | 5859             |
|         |     |          | 24°        | 1218        | 88              | 3933             |
|         |     |          | 38°        | 1199        | 87              | 2993             |
|         |     |          | 55°        | 1119        | 81              | 1658             |

Above test data is based on **Round Adjustable** trim with 3000K 90CRI LED.

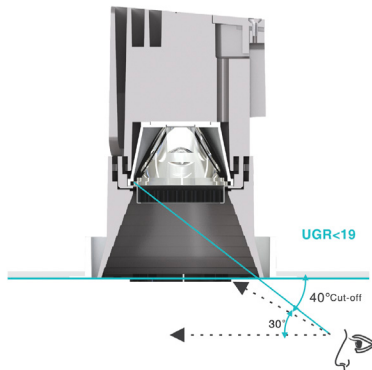
### VM060-VF62RA01 10W



### VM060-VF62RA01 15W



Above test data is based on **Round Adjustable** trim with 3000K 90CRI LED.



### Anti-Glare

In the glare free angle, there is no direct view of the LED and the visible part of the reflector produces practically no glare at all. This zone offers very high visual comfort.

### Anti-Glare Accessory



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Theoretical Wattage: XXX W (subject to change)

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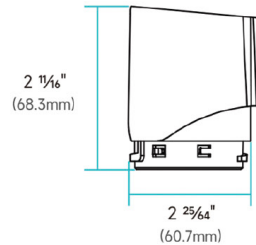
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## DIMENSION

### LED Module



### Trim For Residential Series



|                                                                                     |                                                         |                                                                                       |                                                         |
|-------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------|
|    | <b>VF62RA01</b><br>3 15/32"<br>(88mm)<br>2 5/64" (75mm) |    | <b>VF62RF01</b><br>3 15/32"<br>(88mm)<br>2 5/64" (75mm) |
|   | <b>VF62RA02</b><br>3 15/32"<br>(88mm)<br>2 5/64" (75mm) |   | <b>VF62RF02</b><br>3 15/32"<br>(88mm)<br>2 5/64" (75mm) |
|  | <b>VF62RA03</b><br>3 11/32"<br>(85mm)<br>2 5/64" (75mm) |  | <b>VF62RF03</b><br>3 11/32"<br>(85mm)<br>2 5/64" (75mm) |
|  | <b>VF62RA04</b><br>2 5/64" (75mm)<br>2 43/64" (68mm)    |  | <b>VF62SA04</b><br>2 5/64" (75mm)<br>2 43/64" (68mm)    |
|  | <b>VF62RA05</b><br>2 5/64" (75mm)<br>2 43/64" (68mm)    |  | <b>VF62SA05</b><br>2 5/64" (75mm)<br>2 43/64" (68mm)    |

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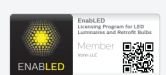
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## INSTALLATION

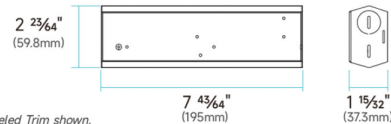


## REMODEL

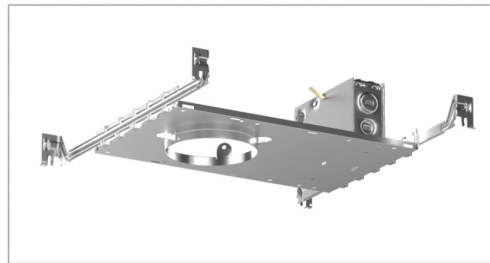
### INSTALLATION

1. Direct connection with installed housing.
2. Operation temperature: -20°C - 40°C.

### DIMENSION FOR REMODEL MOUNTED DRIVER



Note: Total height varies depending on trim, Beveled Trim shown.  
Minimum height: 3 29/32" (99mm)  
Maximum height: 4 5/64" (124.2mm)

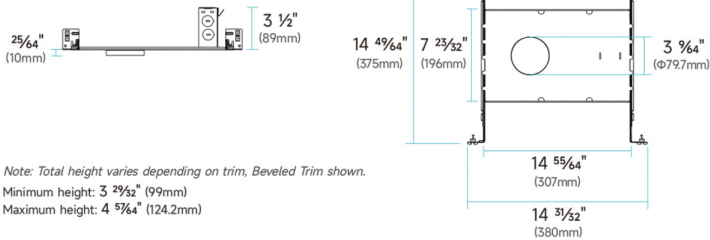


## NEW CONSTRUCTION

### INSTALLATION

1. Non-IC rated housings must be kept at a minimum of 3" away from insulation.
2. Fixture includes adjustable bar hangers (14"-25") for wood joist or t-bar ceiling installations.
3. Bar hangers can be installed in either direction.
4. Operation temperature: -20°C - 40°C.

### DIMENSION



Note: Total height varies depending on trim, Beveled Trim shown.  
Minimum height: 3 29/32" (99mm)  
Maximum height: 4 5/64" (124.2mm)

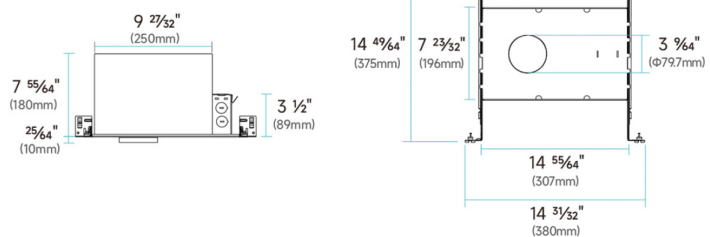


## IC RATED HOUSING

### INSTALLATION

1. ETL Listed for direct contact with insulation.
2. Fixture includes adjustable bar hangers (14"-25") for wood joist or t-bar ceiling installations.
3. Bar hangers can be installed in either direction.
4. Operation temperature: -20°C - 40°C.

### DIMENSION



Theoretical Lumens: XXX LM (subject to change)

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