

# VELLA 4" RESIDENTIAL DOWNLIGHT

VM070-VF72RA01

By VONN Lighting

VONN

PROJECT:

TYPE:

CATALOG#:

DATE:



Round



Square


## DESCRIPTION

The VELLA 4" Residential Series is perfect for spot lighting or accentuation, offering an almost invisible light aperture for seamless illumination. Its highly modular design includes numerous mounting rings, available in both round and square designs, with adjustable and fixed options in various wattages to accommodate different needs. Additionally, a honeycomb filter can be added to enhance visual comfort.

## FEATURES

- Elegant & compact in its style, versatile in its use.
- Precise light control, 15°, 24°, 38°, 55° beam lens options.
- Numerous mounting rings with round, square with adjustable and fixed options.
- Super modular design, replacable LED module, mounting ring, beam lens and anti-glare accessories without any need for tools.

## SPECIFICATION

	VM070	
WATTAGE	20W	25W
LUMEN OUTPUT	1982lm	2226lm
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	20W	25W
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) 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	
SYSTEM RATING	80% of initial lumens at 50000 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.)

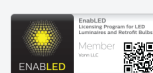
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VONN, LLC.

3323 NE 163rd St, PH-706  
North Miami Beach, FL 33160

WWW.VONN.COM 888.604.8666

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## ORDERING INFORMATION

VM070	VF	7	2	-	-	-	-	-	-	-	-
Led Module	Trim	Dimensions of trim	Application	Trim Shape	Trim Style	Flangeless Trim	Safety Standard	Voltage	Lumen Output	Dimming Methods	Including Housing
VM070	VF	7 Nominal size: 70mm	2 Residential	RA Round adjustable	01 Standard	F Flangeless standard	A American standard	277 100-277V	L08 800lm	V 0-10V	C New Construction
				RF Round fixed				120 100-120V	L12 1200lm	T Triac	R Remodel
										X 0-10V/Triac	H Housing

## ACCESSORIES (TO BE ORDERED SEPARATELY)

FOR INSTALLATION CONSULT THE INSTRUCTION SHEET

### OPTICAL ACCESSORY

☐ HONEYCOMB FILTER

VM070-H



☐ SOFT LENS

VM070-L



## LUMEN MULTIPLIERS

CCT	MULTIPLIER	CRI	MULTIPLIER	STANDARD TRIM	MULTIPLIER
2700K	0.95	80+	1.23	VF72RA01 (Round adjustable)	1.00
3000K	1.00	90+	1.00	VF72RF01 (Round fixed)	1.00
3500K	1.03				
4000K	1.06				

### 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
STANDARD TRIM Example: VM070-VF72RF01 3500K 80+								
1883.4 lm	X	1.03	X	1.23	X	1.00	=	2386.07 lm

Theoretical Lumens: XXX LM (subject to change)

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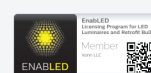
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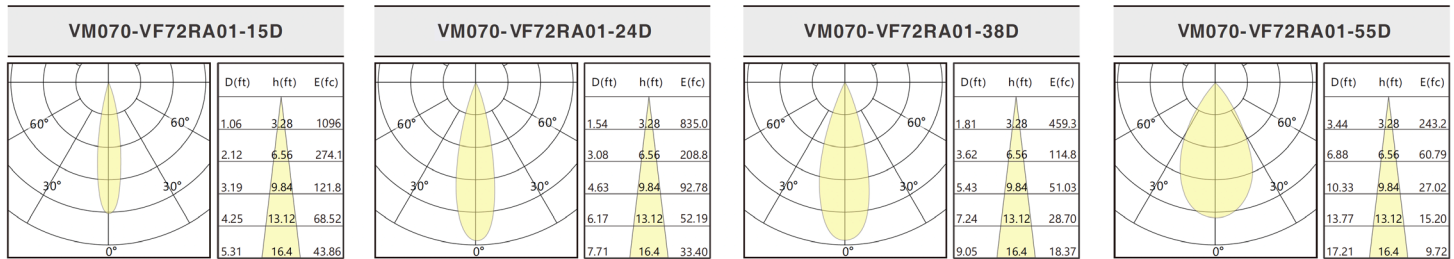
DATE:

## PHOTOMETRIC DATA (NON-DIMMING)

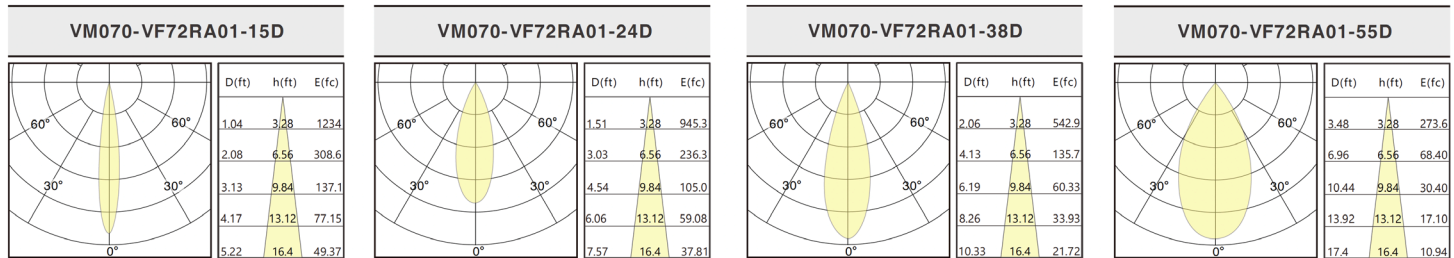
CCT (K)	CRI	LOAD (W)	BEAM OPTIC	LUMENS (lm)	EFFICACY (lm/w)	MAX CANDELA (cd)
3000K	90	20W	15°	1883	94	11788
			24°	1982	98	8971
			38°	1813	91	4989
			55°	1976	98	2609
		25W	15°	2145	89	13255
			24°	2213	92	10155
			38°	2209	92	10155
			55°	2226	92	2944

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

### VM070-VF72RA01 20W



### VM070-VF72RA01 25W



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

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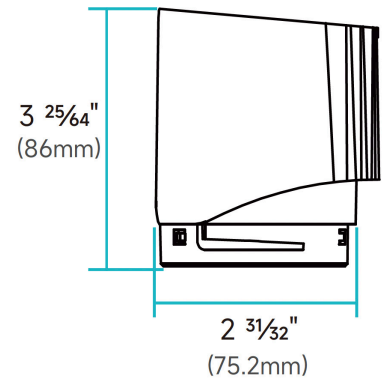
DATE:

## DIMENSION

LED Module



VM070

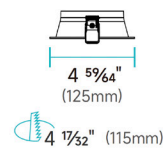


## Trim For Residential Series



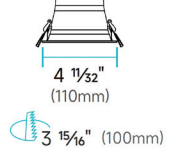
Shallow Frame  
Reflector

VF72RA01



Deep Frame Fixed

VF72RF01



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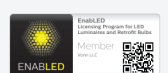
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## INSTALLATION



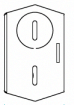
### REMODEL

#### INSTALLATION

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

#### DIMENSIONS FOR REMODEL MOUNTED DRIVER

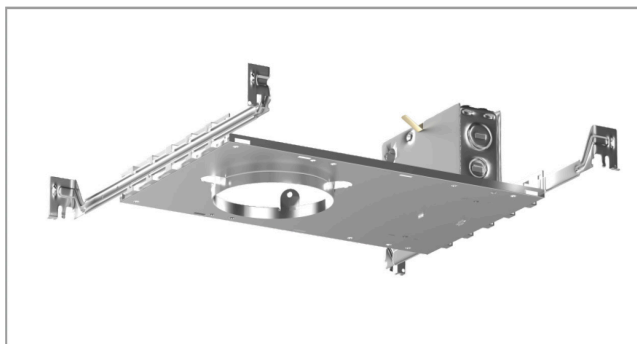
2 23/64"  
(59.8mm)



7 43/64"  
(195mm)

1 15/32"  
(37.3mm)

Note: Total height varies depending on trim, Beveled Trim shown.  
Minimum height: 4 27/64" (112.5mm)  
Maximum height: 5 23/64" (136mm)



### 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.

#### DIMENSIONS

15/32"  
(12mm)

3 1/2"  
(89mm)

14 49/64"  
(375mm)

7 23/32"  
(196mm)

4 9/64"  
(Φ105mm)

14 55/64"  
(307mm)

14 31/32"  
(380mm)

4 9/64"  
(Φ105mm)

14 55/64"  
(307mm)

14 31/32"  
(380mm)

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(Φ105mm)

14 55/64"  
(307mm)

14 31/32"  
(380mm)

4 9/64"  
(Φ105mm)

Note: Total height varies depending on trim, Beveled Trim shown.  
Minimum height: 4 27/64" (112.5mm)  
Maximum height: 5 23/64" (136mm)



### 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.

#### DIMENSIONS

6 5/64"  
(175mm)

25/64"  
(12mm)

9 49/64"  
(248mm)

3 1/2"  
(89mm)

14 49/64"  
(375mm)

7 23/32"  
(196mm)

4 9/64"  
(Φ105mm)

14 55/64"  
(307mm)

14 31/32"  
(380mm)

4 9/64"  
(Φ105mm)

14 55/64"  
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