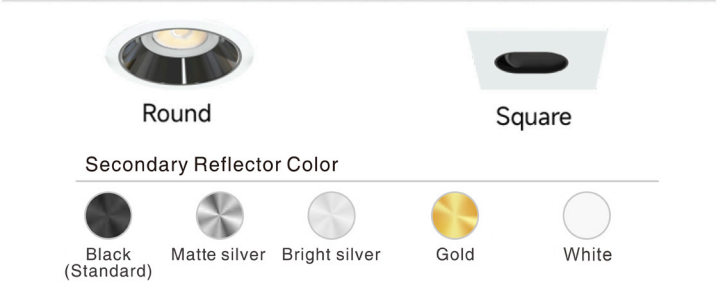
VELLA 3” RESIDENTIAL DOWNLIGHT

VM060-VF62RF01

By VONN Lighting

PROJECT:	TYPE:	CATALOG#:	DATE:





DESCRIPTION

The VELLA 3” 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

	VM060	
WATTAGE	10W	15W
LUMEN OUTPUT	918lm	1218lm
BEAM OPTICS	Narrow Spot 15º, Spot 24º, Flood 38º, Wide Flood 55º	
COLOR TEMP.	Static White: ❑ 2700K, ❑ 3000K, ❑ 3500K, ❑ 4000K, ❑ 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-I0V dimming range: 1%-100%	
CEILING THICKNESS	 3/64" - 25/32" (1mm-20mm) Spring clip	
INSTALLATION	New Construction, Remodel, IC Rated Housing	
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.	-20ºC to 40ºC	
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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North Miami Beach, FL 33160
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PROJECT: | **TYPE:** | **CATALOG#:** | **DATE:**

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** Nominal size: 60mm	**2** Residential	**RA** Round Adjustable	**01** Wide Frame Big Pinhole	**NA** Not Available	**A** American Standard	**SV** 120V	**L08** 800lm	**V** 0-10V	**C** New Construction
				RF Round adjustable	**02** Deep Frame			**MV** 120-277V	**L12** 1200lm	**T** Triac	**R** Remodel
				SA Square adjustable	**03** Inner					**X** 0-10V/Triac	**H** Housing
					04 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
STANDARD TRIM Example: VM060-VF62RF01 3500K 80+								
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)

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

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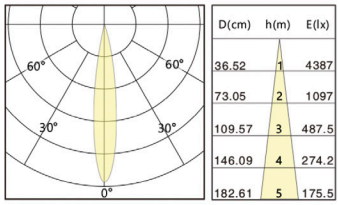
PHOTOMETRIC DATA (NON-DIMMING)

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

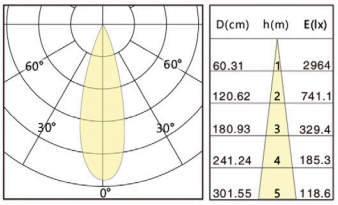
Above test data is based on **Round Adjustable** trim with 3000K 90CRI LED.

VM060-VF62RA01 10W

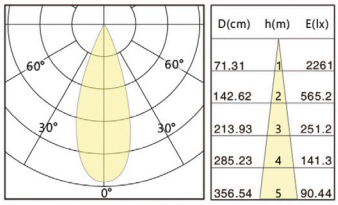
VM060-VF62RA01-15D



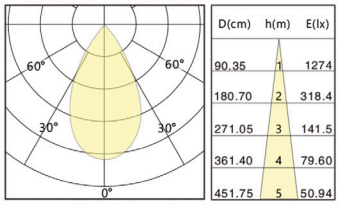
VM060-VF62RA01-24D



VM060-VF62RA01-38D

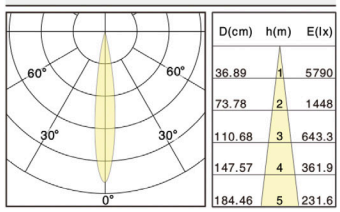


VM060-VF62RA01-55D

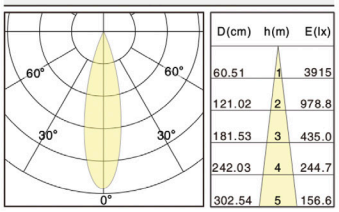


VM060-VF62RA01 15W

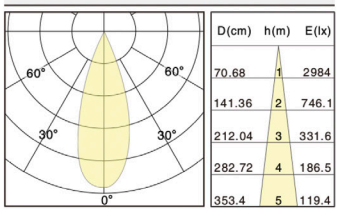
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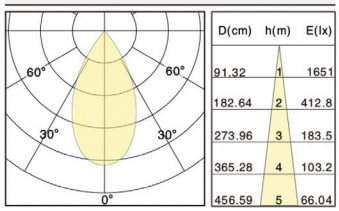
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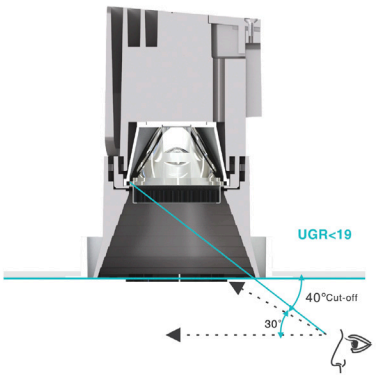
VM060-VF62RA01-38D



VM060-VF62RA01-55D



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 visisble part of the reflector produces practically no glare at all. This zone offers very high visual comfort.

Anti-Glare Accesory



Honey comb



Soft lens

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.

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VM060-VF62RF01

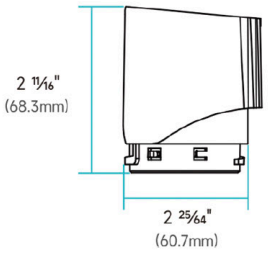
By VONN Lighting

PROJECT:	TYPE:	CATALOG#:	DATE:

DIMENSION

LED Module





Trim For Residential Series




Wide Frame
Big pinhole

VF62RA01




Wide Frame
Small Pinhole

VF62RF01




Deep Frame
Adjustable

VF62RA02




Deep Frame Fixed

VF62RF02




Inner Adjustable

VF62RA03




Shallow Frame
Reflector

VF62RF03




Round Pinhole
Adjustable

VF62RA04




Square Round
Pinhole Adjustable

VF62SA04




Oval Pinhole
Adjustable

VF62RA05




Square Oval
Pinhole Adjustable

VF62SA05



Theoretical Lumens: XXX LM (subject to change)

Theoretical Wattage: XXX W (subject to change)

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INSTALLATION

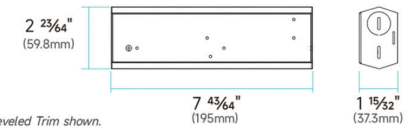


REMODEL

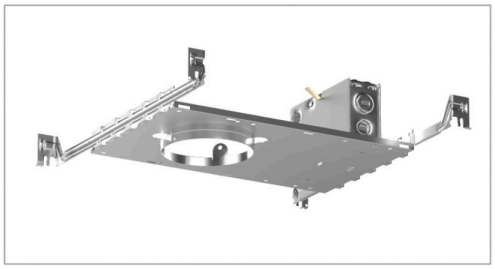
INSTALLATION

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)

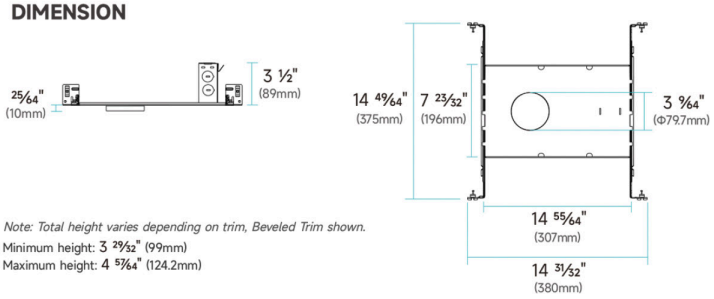


NEW CONSTRUCTION

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)

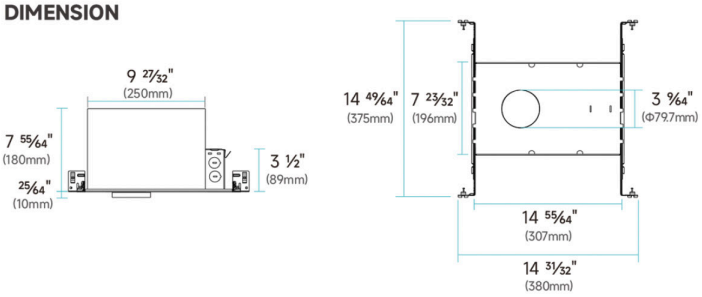


IC RATED HOUSING

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)
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.
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