VELLA 2" COMMERCIAL DOWNLIGHT
VM050-VF53SA02
By VONN Lighting

VONN

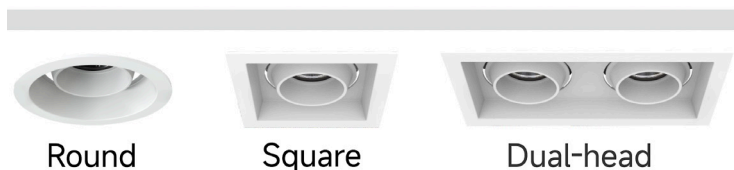| PROJECT:	TYPE:	CATALOG#:	DATE:

DESCRIPTION

The VELLA 2" Commercial Series offers a versatile lighting solution for any indoor retail or commercial environment. Available in both round and square designs, its super modular construction allows for seamless integration into any space. With a range of wattage options to suit different needs, the VELLA 2" ensures optimal illumination. For enhanced visual comfort, an optional honeycomb filter can be added, minimizing glare and creating a more pleasant lighting experience.

Round   Square   Dual-head

FEATURES

- Elegant and compact in style, yet highly versatile in use.
- Precise light control with beam lens options of 15°, 24°, 38°, and 55°.
- Round or square mounting rings, both featuring a 30° tiltable axis, with the option for a dual-head configuration.
- The super modular design allows for effortless replacement of the LED module, mounting ring, beam lens, and anti-glare accessories, all without the need for tools.

SPECIFICATION

	VM050	
WATTAGE	5 W	8 W
LUMEN OUTPUT	326 LM	519 LM
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	5 W	8 W
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	$\frac{3}{64}$" – $\frac{25}{32}$" (1mm-20mm) Spring clip	
INSTALLATION	Remodel	
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 TEMPERATURE	-20°c to 40°C	
SYSTEM RATING	5000h @80% (L80)	

Theoretical Lumens: XXX LM (subject to change)

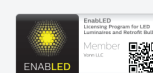Theoretical Wattage: XXX W (subject to change)

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ORDERING INFORMATION

VM050	VF	5	3	–	–	–	–	–	–	–	–
Led Module	Trim	Dimensions of trim	Application	Trim Shape	Trim Style	Flangeless Trim	Safety Standard	Voltage	Lumen Output	Dimming Methods	Including Housing
VM050	VF	5 Nominal size: 50mm	3 Commercial	RA Round adjustable	01 Standard	F Flangeless Trim	A American standard	MV 120-277V	L03 300lm	V 0-10V	R Remodel
				SA Square adjustable					L05 500lm	T Triac	
										X 0-10V/Triac	
										D Dali	

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

OPTICAL ACCESSORY

☐ **HONEYCOMB FILTER**

VM050-H

☐ **SOFT LENS**

VM050-L

LUMEN MULTIPLIERS

CCT	MULTIPLIER
2700K	0.94
3000K	1.00
3500K	1.00
4000K	1.05

CRI	MULTIPLIER
80+	1.19
90+	1.00

STANDARD TRIM	MULTIPLIER
VF53RA01 (Round adjustable)	1.00
VF53SA01 (Square adjustable)	0.99
VF53SA02 (Square adjustable)	1.87

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: VM050-VF53SA01 4000K 80+								
369 lm	X	1.05	X	1.19	X	0.99	=	456 lm

Theoretical Lumens: XXX LM (subject to change)

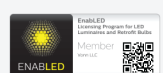Theoretical Wattage: XXX W (subject to change)

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PROJECT:	TYPE:	CATALOG#:	DATE:

PHOTOMETRIC DATA (NON-DIMMING)

CCT (K)	CRI	LOAD (W)	BEAM OPTIC	LUMENS (lm)	EFFICACY (lm/w)	MAX CANDELA (cd)
3000K	90	5W	15°	359	70	3283
			24°	369	71	1977
			38°	374	72	919
			55°	365	70	591
		8W	15°	562	69	2061
			24°	607	74	1705
			38°	605	74	1035
			55°	612	75	742

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

VM050-VF53RA01   5W

VM050-VF53RA01-15D

D(ft)	h(ft)	E(fc)
0.90	3.28	301.6
1.81	6.56	75.4
2.72	9.84	33.5
3.63	13.12	18.8
4.54	16.4	12.0

VM050-VF53RA01-24D

D(ft)	h(ft)	E(fc)
1.36	3.28	182.0
2.73	6.56	45.5
4.09	9.84	20.2
5.46	13.12	11.3
6.82	16.4	7.2

VM050-VF53RA01-38D

D(ft)	h(ft)	E(fc)
2.11	3.28	83.3
4.22	6.56	20.8
6.33	9.84	9.2
8.44	13.12	5.2
10.55	16.4	3.3

VM050-VF53RA01-55D

D(ft)	h(ft)	E(fc)
2.71	3.28	52.2
5.42	6.56	13.06
8.14	9.84	5.8
10.86	13.12	3.2
13.57	16.4	2.0

VM050-VF53RA01   8W

VM050-VF53RA01-15D

D(ft)	h(ft)	E(fc)
1.58	3.28	190.6
3.16	6.56	47.6
4.74	9.84	21.1
6.32	13.12	11.9
7.91	16.4	7.6

VM050-VF53RA01-24D

D(ft)	h(ft)	E(fc)
2.01	3.28	158.5
4.02	6.56	39.6
6.03	9.84	17.6
8.05	13.12	9.9
10.06	16.4	6.3

VM050-VF53RA01-38D

D(ft)	h(ft)	E(fc)
2.74	3.28	94.7
5.48	6.56	23.6
8.22	9.84	10.5
10.96	13.12	5.9
13.71	16.4	3.7

VM050-VF53RA01-55D

D(ft)	h(ft)	E(fc)
3.46	3.28	68.4
6.92	6.56	17.1
10.39	9.84	7.6
13.86	13.12	4.2
17.32	16.4	2.7

Above test data is based on **Round Adjustable** trim with 3000K 90CRI LED.
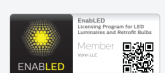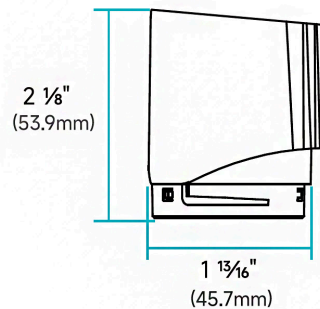
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Theoretical Wattage: XXX W (subject to change)

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DIMENSION

LED Module

VM050

2 ⅛"
(53.9mm)

1 ¹³⁄₁₆"
(45.7mm)

Trim For Commercial Series

VF53RA01

Round

2 ⁶¹⁄₆₄"
(75mm)

2 ⁹⁄₁₆" (65mm)

VF53SA01

Square

2 ⁶¹⁄₆₄"
(75mm)

2 ⁹⁄₁₆"*2 ⁹⁄₁₆"
(65x65mm)

VF53SA02

Dual-head

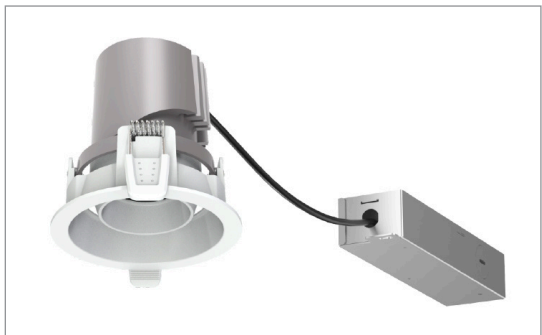5 ³³⁄₆₄"
(140mm)

2 ⁶¹⁄₆₄"
(75mm)

5 ⅛"*3 ⁹⁄₁₆"
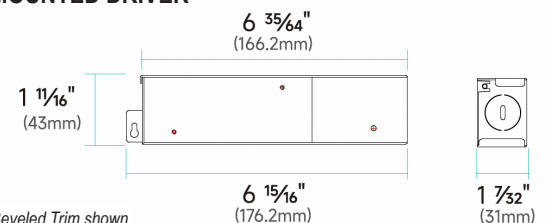(130mmx65mm)
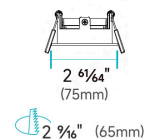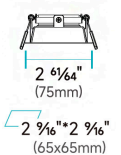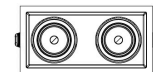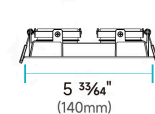
INSTALLATION

REMODEL

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

DIMENSIONS FOR REMODEL MOUNTED DRIVER

6 ³⁵⁄₆₄"
(166.2mm)

1 ¹¹⁄₁₆"
(43mm)

6 ¹⁵⁄₁₆"
(176.2mm)

1 ⁷⁄₃₂"
(31mm)

Note: Total height varies depending on trim, Beveled Trim shown.
Maximum height: 2 ²⁷⁄₃₂" (72.4mm)

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Theoretical Wattage: XXX W (subject to change)

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