VELLA 5” COMMERCIAL DOWNLIGHT

VM090-VF93SA02

By VONN Lighting

PROJECT:	TYPE:	CATALOG#:	DATE:

DESCRIPTION

The VELLA 5” 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 5” ensures optimal illumination. For enhanced visual comfort, an optional honeycomb filter can be added, minimizing glare and creating a more pleasant lighting experience.

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

	VM090		
WATTAGE	25 W	30 W	35 W
LUMEN OUTPUT	2378 LM	2746 LM	3318 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	25 W	30 W	35 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	Spring clip 3/64" - 25/32" (1mm-20mm)		
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	80% of initial lumens at 50000 hours (L80)		

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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ORDERING INFORMATION

VM070	VF	9	3	-	-	-	-	-	-	-	-
Led Module	**Trim**	**Dimensions of trim**	**Application**	**Trim Shape**	**Trim Style**	**Flangeless Trim**	**Safety Standard**	**Voltage**	**Lumen Output**	**Dimming Methods**	**Including Housing**
VM090	**VF**	**9** Nominal size: 90mm	**3** Commercial	**RA** Round adjustable	**01** Standard	**F** Flangeless Trim	**A** American standard	**277** 100-277V	**L08** 800lm	**V** 0-10V	**C** New Construction
				SA Square adjustable				**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**

VM090-H

☐ **SOFT LENS**

VM090-L

LUMEN MULTIPLIERS

CCT	MULTIPLIER
2700K	0.95
3000K	1.00
3500K	1.03
4000K	1.05

CRI	MULTIPLIER
80+	1.23
90+	1.00

STANDARD TRIM	MULTIPLIER
VF93RA01 (Round adjustable)	1.00
VF93SA01 (Square adjustable)	1.01
VF93SA02 (Square adjustable)	1.86

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: VM090-VF93SA01 3500K 80+								
2378.1 lm	X	1.03	X	1.23	X	1.00	=	3012.8 lm

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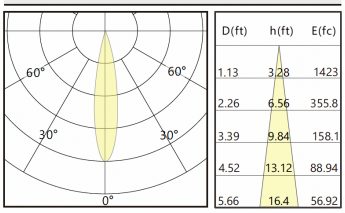
PHOTOMETRIC DATA (NON-DIMMING)

CCT (K)	CRI	LOAD (W)	BEAM OPTIC	LUMENS (lm)	EFFICACY (lm/w)	MAX CANDELA (cd)
3000K	90	25W	15º	2378	104	15342
			24º	2351	103	9670
			38º	2365	103	4852
			55º	2305	101	2886
		30W	15º	2746	100	17434
			24º	2740	99	11341
			38º	2746	100	5664
			55º	2688	98	3399
		35W	15º	3318	97	21346
			24º	3291	97	13558
			38º	3300	97	6763
			55º	3226	95	4046

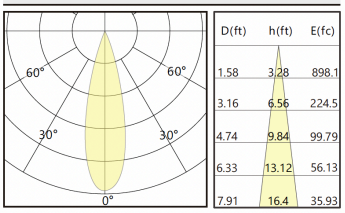
Above test data is based on **Round Adjustable** trim with 3000K 90CRI LED.

VM090-VF93RA01 25W

VM090-VF93RA01-15D



VM090-VF93RA01-24D



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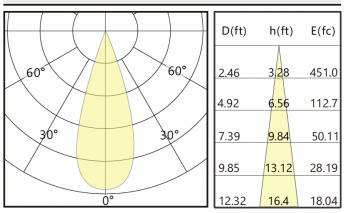

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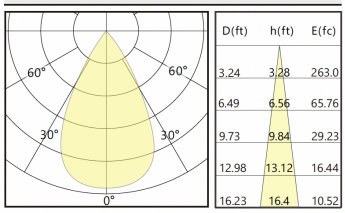
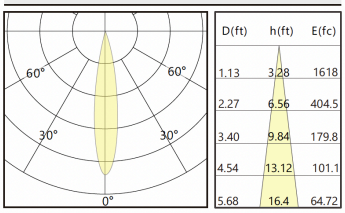


VM090-VF93RA01 30W

VM090-VF93RA01-15D



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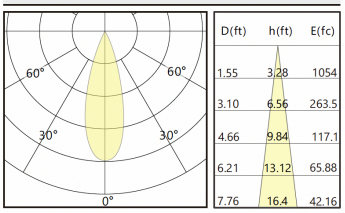

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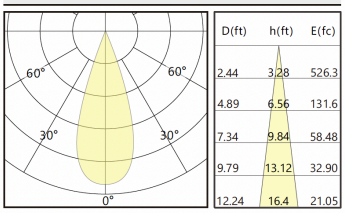

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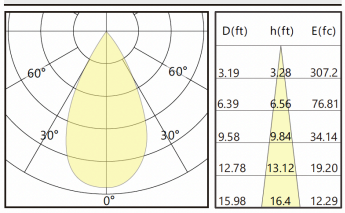

VM090-VF93RA01 35W

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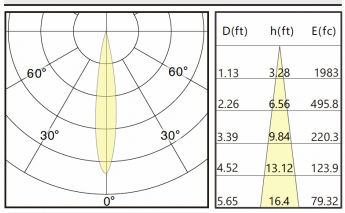

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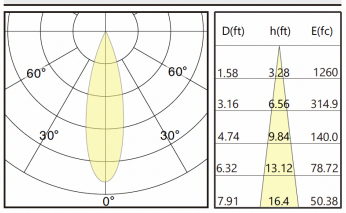

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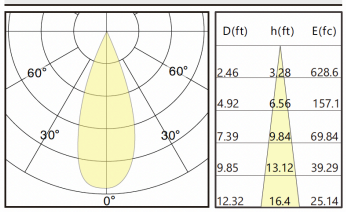

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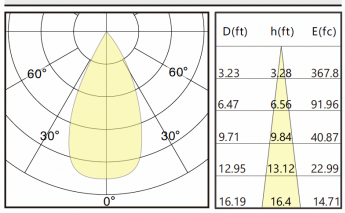

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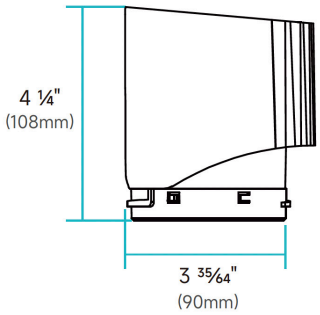
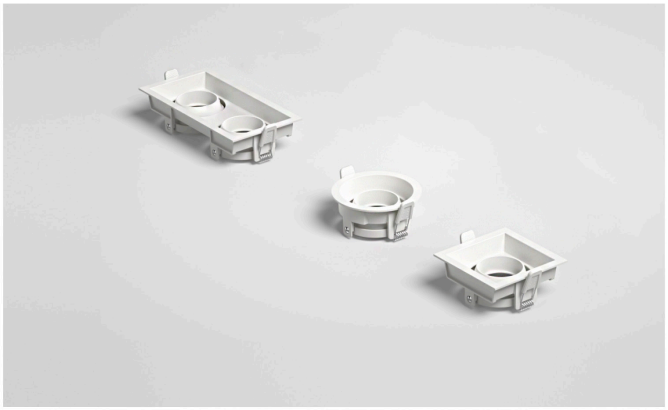
DIMENSION

LED Module



Trim For Commercial Series



Round

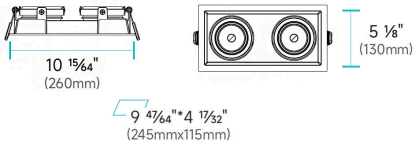
VF93RA01

Square

VF93SA01

Dual-head

VF93SA02



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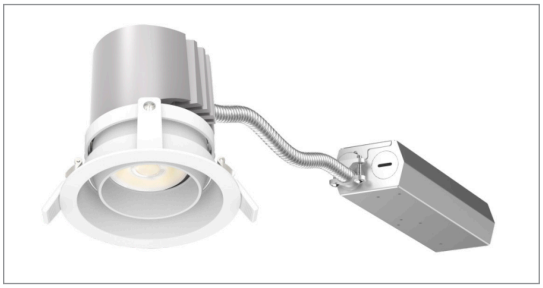
INSTALLATION

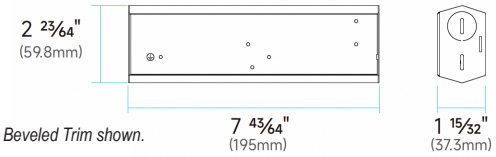


REMODEL

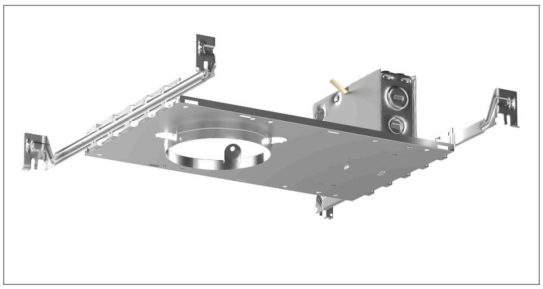
INSTALLATION

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

DIMENSIONS FOR REMODEL MOUNTED DRIVER



Note: Total height varies depending on trim, Beveled Trim shown.
Minimum height: 5 33/64" (140mm)
Maximum height: 5 33/64" (140mm)

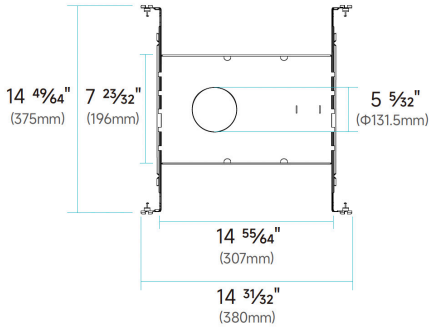


NEW CONSTRUCTION

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



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IC RATED HOUSING

INSTALLATION

1. ETL Listed for direct contact with insulation.
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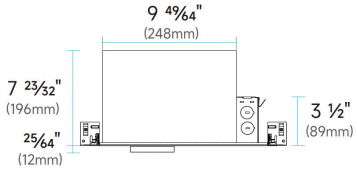

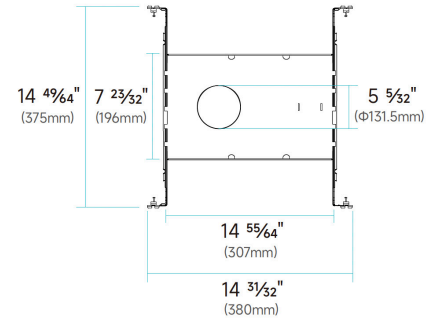

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