

VELLA 5" DEEP ANTI-GLARE DOWNLIGHT

VM090-VF94SF01

By VONN Lighting

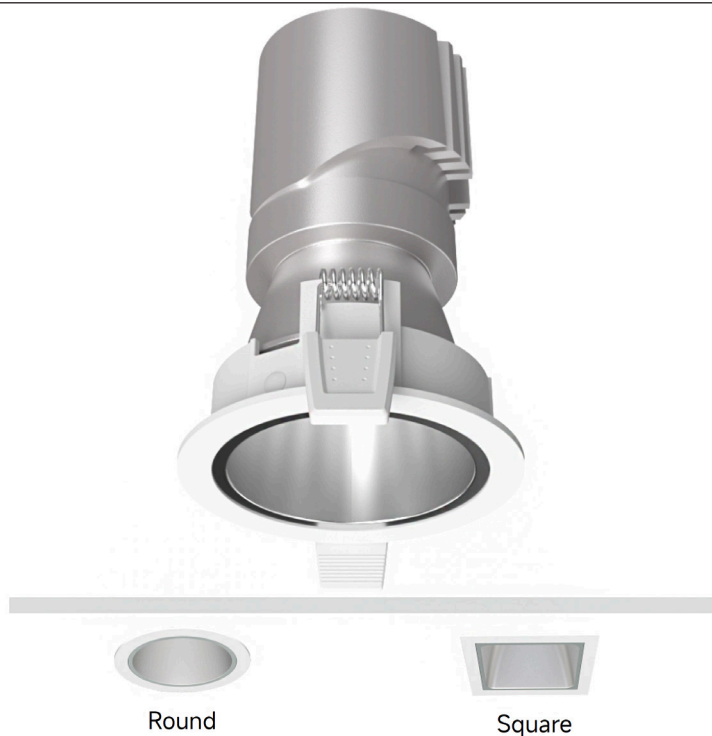
VONN

PROJECT:

TYPE:

CATALOG#:

DATE:



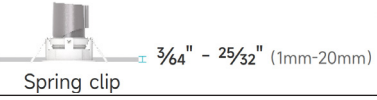
DESCRIPTION

The VELLA 5" Deep Anti-Glare Series, features a deep recessed mounting ring that enables a 48° cut-off for excellent glare control. The luminaires blend seamlessly into the ceiling layout, embodying the philosophy of "light instead of luminaires." With a highly modular design available in both round and square options, a honeycomb filter can also be added to maximize visual comfort.

FEATURES

- Elegant and compact in style, yet versatile in use.
- Precise light control, UGR <9.
- Super modular design, replacable LED module, mounting ring, beam lens and anti-glare accessories without any needs for tools.

SPECIFICATION

	VM090		
WATTAGE	25 W	30 W	35 W
LUMEN OUTPUT	2310 LM	2687 LM	3218 LM
BEAM OPTICS	Narrow Spot: 15°, Spot: 24°, Flood: 38°, Wide Flood: 55°		
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	New Constructicon, 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 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

VM090	VF	9	4	-	-	-	-	-	-	-	-
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	4 Deep anti-glare	RF Round fixed	01 Standard	F Flangeless Trim	A American standard	277 120-277V	L08 800lm	V 0-10V	C New Construction
				SF Square 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

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
VF94RF01 (Round fixed)	0.97
VF94SF01 (Square fixed)	1.00

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-VF94RF01 3500K 80+								
2265.4 lm	x	1.03	x	1.23	x	0.97	=	2783.4 lm

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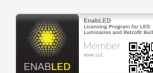
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VONN, LLC.

3323 NE 163rd St. PH-706
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WWW.VONN.COM 888.604.8666

VONN, LLC. reserves the right to make any design changes for continuous improvement which will not affect the overall appearance or performance.



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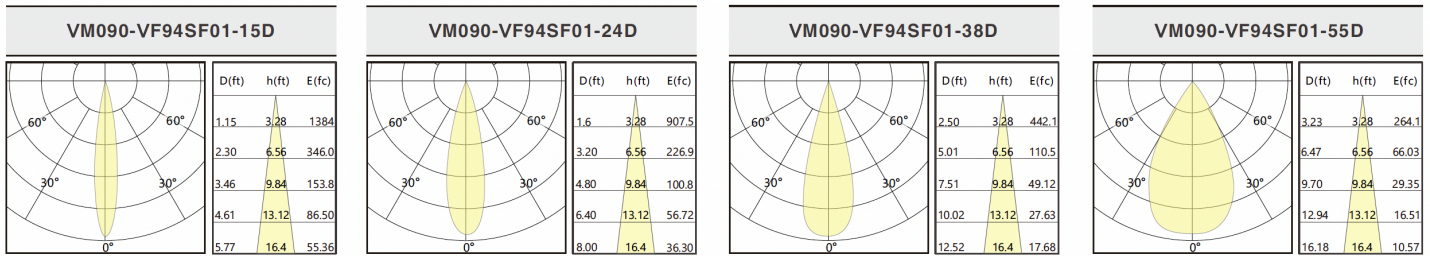
DATE:

PHOTOMETRIC DATA (NON-DIMMING)

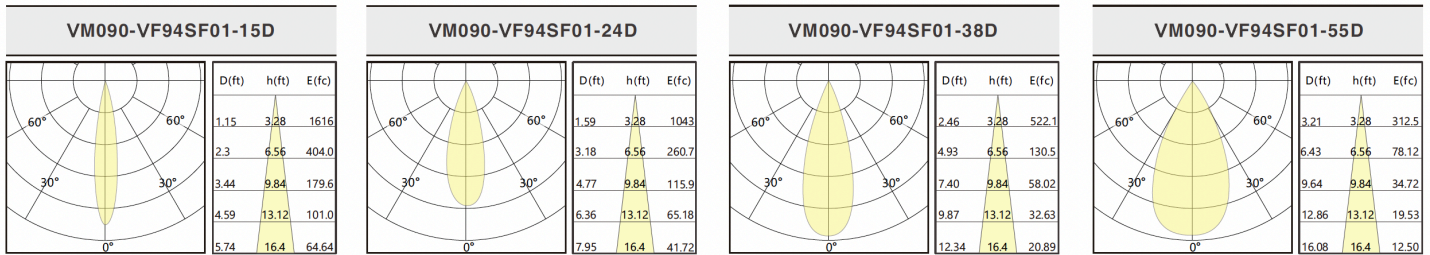
CCT (K)	CRI	LOAD (W)	BEAM OPTIC	LUMENS (lm)	EFFICACY (lm/w)	MAX CANDELA (cd)
3000K	90	25W	15°	2265	99	14893
			24°	2310	100	9778
			38°	2272	99	4768
			55°	2153	94	2923
		30W	15°	2687	97	17380
			24°	2668	97	11211
			38°	2666	97	5627
			55°	2522	92	3464
		35W	15°	3177	93	20842
			24°	3218	94	13601
			38°	3175	94	6660
			55°	3000	88	4079

Above test data is based on **Square Fixed** trim with 3000K 90CRI LED.

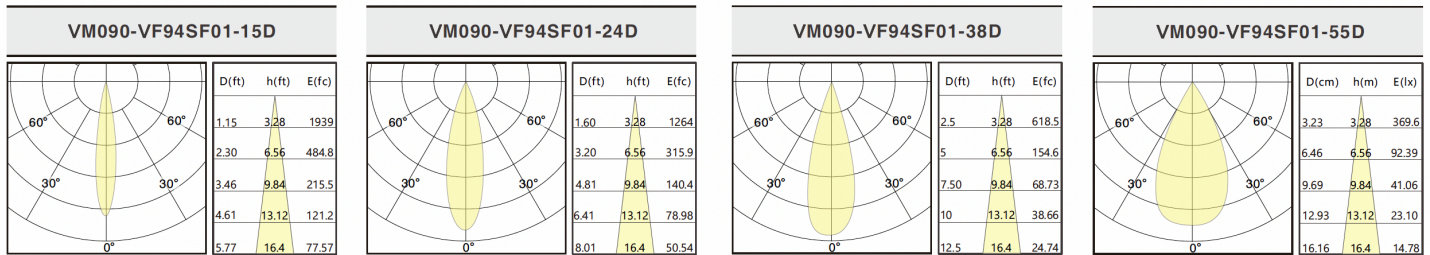
VM090-VF94SF01 25W



VM090-VF94SF01 30W



VM090-VF94SF01 35W



Above test data is based on **Square Fixed** trim with 3000K 90CRI LED.

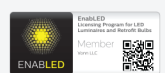
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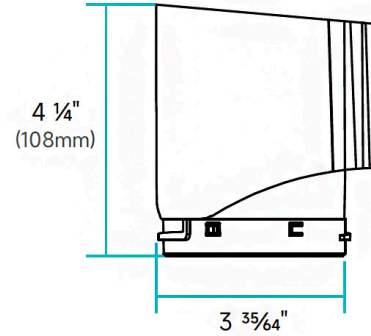
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DIMENSION

LED Module



VM090

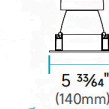


Trim for Anti-Glare Series



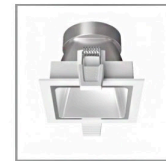
Round

VF94RF01



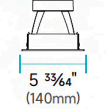
5 3/4" (140mm)

4 5/8" (125mm)



Square

VF94SF01



5 3/4" (140mm)

4 5/8" * 4 5/8" (125x125mm)

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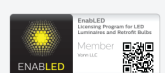
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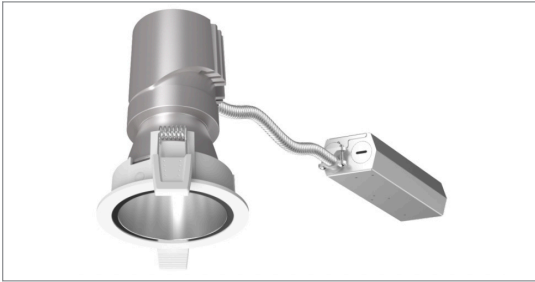
PROJECT:

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INSTALLATION

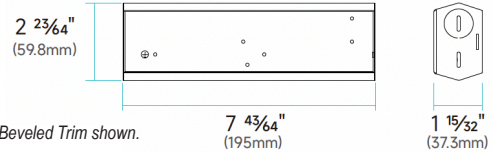


REMODEL

INSTALLATION

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

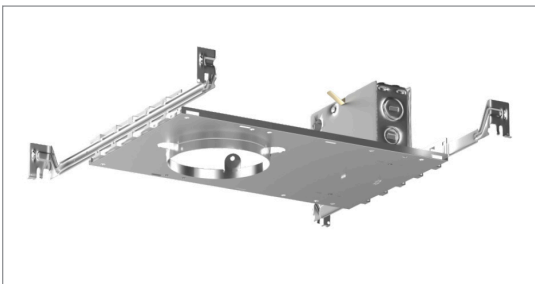
DIMENSIONS FOR REMODEL MOUNTED DRIVER



Note: Total height varies depending on trim, Beveled Trim shown.

Minimum height: 7 57/64" (200.5mm)

Maximum height: 7 57/64" (200.5mm)

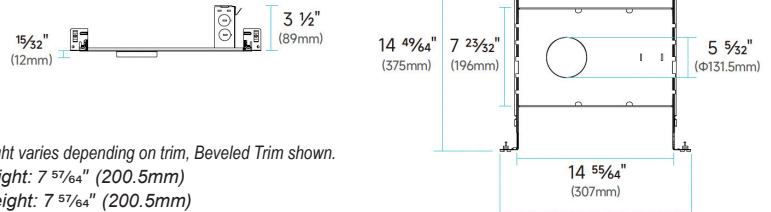


NEW CONSTRUCTION

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



Note: Total height varies depending on trim, Beveled Trim shown.

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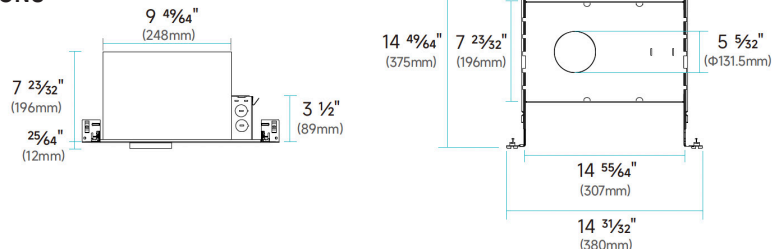


IC RATED HOUSING

INSTALLATION

1. ETL Listed for direct contact with insulation.
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4. Operation temperature: -20°C - 40°C.

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