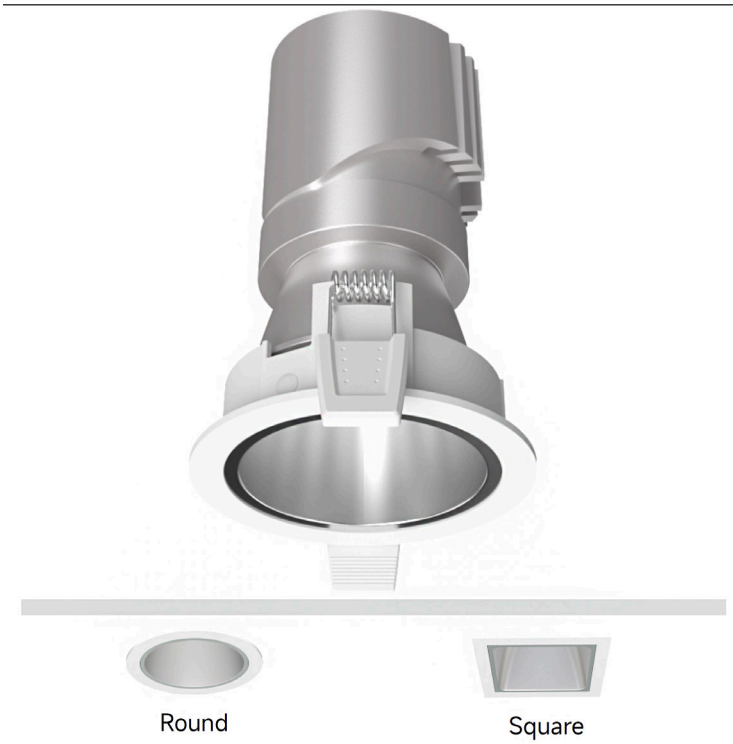
VELLA 5” DEEP ANTI-GLARE DOWNLIGHT

VM090-VF94SF01

By VONN Lighting

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: **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	New Construciton, 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.

*Any custom modifications are subject to minimum order quantity. (M.O.Q.)

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PROJECT:	TYPE:	CATALOG#:	DATE:

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	**NA** Not Available	**A** American standard	**SV** 120V	**L19** 1900lm	**V** 0-10V	**C** New Construction
				SF Square fixed				**MV** 120-277V	**L22** 2200lm	**T** Triac	**R** Remodel
									L26 2600lm	**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 (Sqaure 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

Theoretical Lumens: XXX LM (subject to change)

Theoretical Wattage: XXX W (subject to change)

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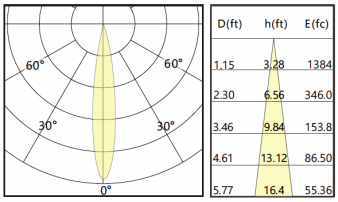
PHOTOMETRIC DATA (NON-DIMMING)

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

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

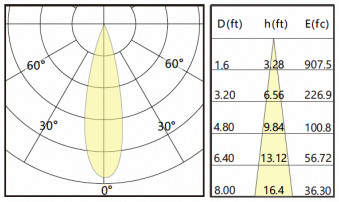
VM090-VF94SF01 25W

VM090-VF94SF01-15D



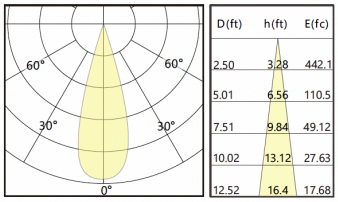
D(ft)	h(ft)	E(fc)
1.15	3.28	1384
2.30	6.56	346.0
3.46	9.84	153.8
4.61	13.12	86.50
5.77	16.4	55.36

VM090-VF94SF01-24D



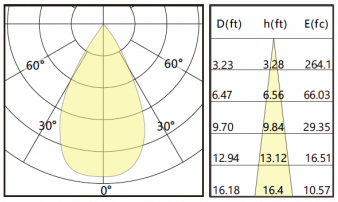
D(ft)	h(ft)	E(fc)
1.6	3.28	907.5
3.20	6.56	226.9
4.80	9.84	100.8
6.40	13.12	56.72
8.00	16.4	36.30

VM090-VF94SF01-38D



D(ft)	h(ft)	E(fc)
2.50	3.28	442.1
5.01	6.56	110.5
7.51	9.84	49.12
10.02	13.12	27.63
12.52	16.4	17.68

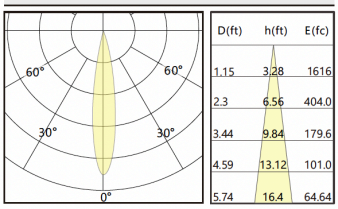
VM090-VF94SF01-55D



D(ft)	h(ft)	E(fc)
3.23	3.28	264.1
6.47	6.56	66.03
9.70	9.84	29.35
12.94	13.12	16.51
16.18	16.4	10.57

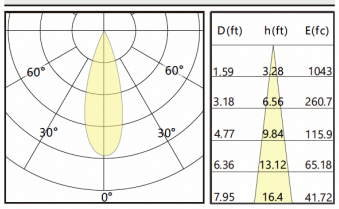
VM090-VF94SF01 30W

VM090-VF94SF01-15D



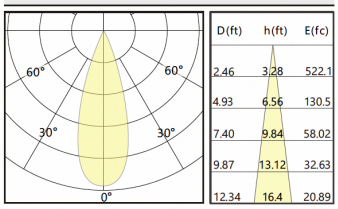
D(ft)	h(ft)	E(fc)
1.15	3.28	1616
2.3	6.56	404.0
3.44	9.84	179.6
4.59	13.12	101.0
5.74	16.4	64.64

VM090-VF94SF01-24D



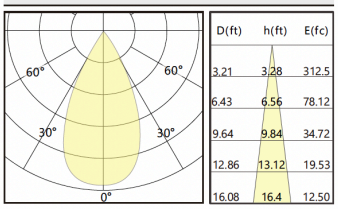
D(ft)	h(ft)	E(fc)
1.59	3.28	1043
3.18	6.56	260.7
4.77	9.84	115.9
6.36	13.12	65.18
7.95	16.4	41.72

VM090-VF94SF01-38D



D(ft)	h(ft)	E(fc)
2.46	3.28	522.1
4.93	6.56	130.5
7.40	9.84	58.02
9.87	13.12	32.63
12.34	16.4	20.89

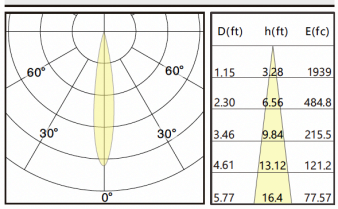
VM090-VF94SF01-55D



D(ft)	h(ft)	E(fc)
3.21	3.28	312.5
6.43	6.56	78.12
9.64	9.84	34.72
12.86	13.12	19.53
16.08	16.4	12.50

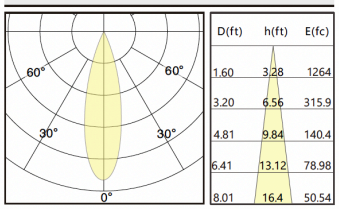
VM090-VF94SF01 35W

VM090-VF94SF01-15D



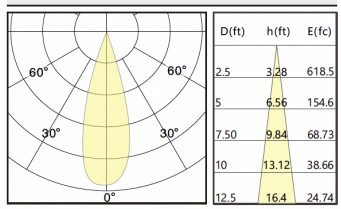
D(ft)	h(ft)	E(fc)
1.15	3.28	1939
2.30	6.56	484.8
3.46	9.84	215.5
4.61	13.12	121.2
5.77	16.4	77.57

VM090-VF94SF01-24D



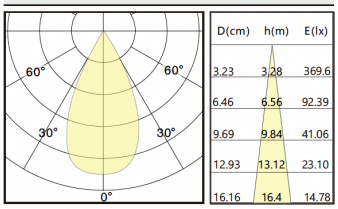
D(ft)	h(ft)	E(fc)
1.60	3.28	1264
3.20	6.56	315.9
4.81	9.84	140.4
6.41	13.12	78.98
8.01	16.4	50.54

VM090-VF94SF01-38D



D(ft)	h(ft)	E(fc)
2.5	3.28	618.5
5	6.56	154.6
7.50	9.84	68.73
10	13.12	38.66
12.5	16.4	24.74

VM090-VF94SF01-55D



D(cm)	h(m)	E(lx)
3.23	3.28	369.6
6.46	6.56	92.39
9.69	9.84	41.06
12.93	13.12	23.10
16.16	16.4	14.78

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

Theoretical Lumens: XXX LM (subject to change)

Theoretical Wattage: XXX W (subject to change)

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VM090-VF94SF01

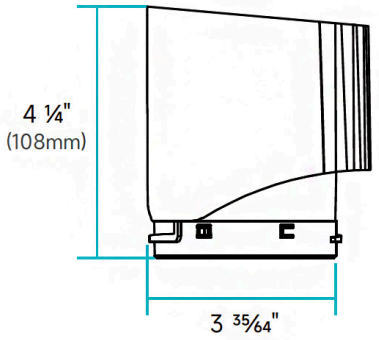
By VONN Lighting

PROJECT:	TYPE:	CATALOG#:	DATE:

DIMENSION

LED Module

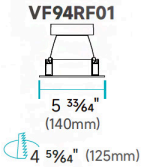




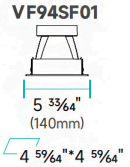
Trim for Anti-Glare Series




Round


VF94RF01
5 33⁄64"
(140mm)
4 5⁄64" (125mm)


Square


VF94SF01
5 33⁄64"
(140mm)
4 5⁄64"*4 5⁄64"
(125x125mm)

Theoretical Lumens: XXX LM (subject to change)

Theoretical Wattage: XXX W (subject to change)

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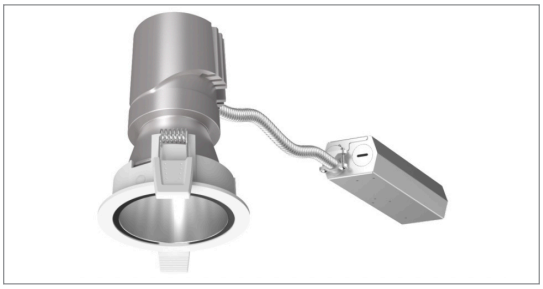
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PROJECT:	TYPE:	CATALOG#:	DATE:

INSTALLATION



REMODEL

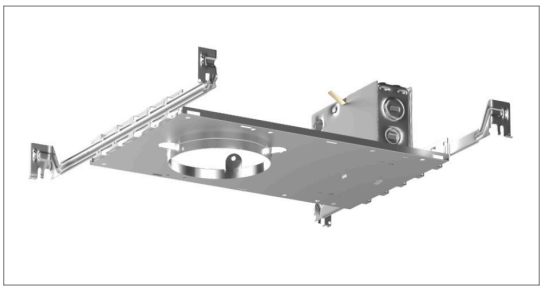
INSTALLATION

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



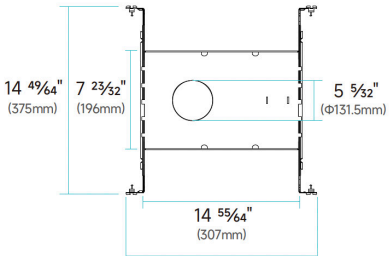
NEW CONSTRUCTION

INSTALLATION

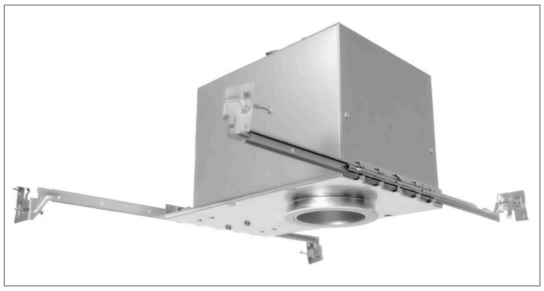
1. Non-IC rated housings must be kept at a minimum of 3” away from insulation.
2. Fixture includes adjustable bar hangers (14”-25”) for wood joist or t-bar ceiling installations.
3. Bar hangers can be installed in either direction.
4. Operation temperature: -20°C - 40°C.

DIMENSIONS





Note: Total height varies depending on trim, Beveled Trim shown.
Minimum height: 7 57/64" (200.5mm)
Maximum height: 7 57/64" (200.5mm)

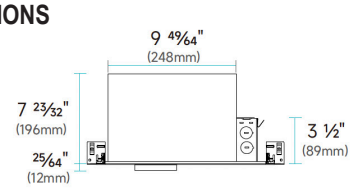


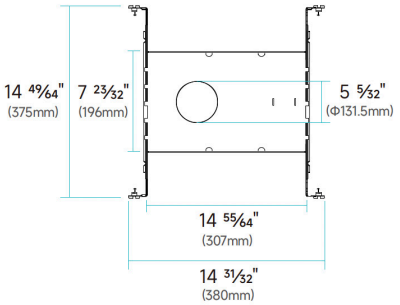
IC RATED HOUSING

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





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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