

VELLA 5" HOTEL DOWNLIGHT

VM090-VF91RA01T

By VONN Lighting

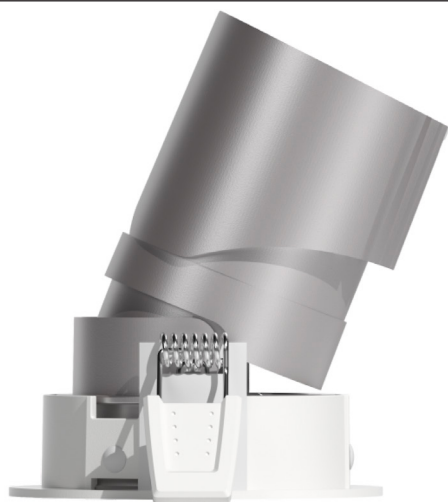
VONN

PROJECT:

TYPE:

CATALOG#:

DATE:



DESCRIPTION

The VELLA 5" Hotel series is not only an aesthetically designed downlight but also delivers high-quality illumination, thanks to a combination of a precision light beam lens and a secondary reflector. These luminaires blend seamlessly into the ceiling layout, embodying the philosophy of "light instead of luminaires." With a super modular design available in both round and square shapes, as well as adjustable and fixed options in various wattages, the VELLA Hotel series is an excellent choice for creating a unified lighting experience in any environment.

FEATURES

- Elegant & compact in its style, versatile in its use.
- Precise light control, 15°, 24°, 38°, 55° beam lens options.
- Interchangeable different color secondary reflectors for anti-glare and decorative function.
- Super modular design, replacing LED module, trims, beam lens, honeycomb filter and secondary reflectors without any needs for tools.
- 355° rotation and 30° tilt.
- Anti-glare accessories provide maximum visual comfort.
- Service the LED optics and Driver from above the ceiling.



Round



Square

SPECIFICATION

	VM090		
WATTAGE	25 W	30 W	35 W
LUMEN OUTPUT	2279lm	2644lm	3146lm
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	 $\frac{3}{64}$ " - $\frac{25}{32}$ " (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 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)

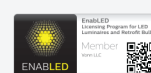
***Please note lumens and wattage are subject to change and will be determined post production of the first articles.

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ORDERING INFORMATION

VM090	VF	9	1	-	-	-	-	-	-	-	-
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	1 Hotel	RA Round adjustable	01 Standard	F Flangeless Trim	A American standard	277 120-277V	L08 800lm	V 0-10V	C New Construction
				RF Round fixed				120 100-120V	L12 1200lm	T Triac	R Remodel
				SA Square adjustable						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



SECONDARY REFLECTOR COLOR

☐ **BLACK**
VF91RA-SB
VF91RF-SB
VF91SA-SB



☐ **BRIGHT SILVER**
VF91RA-SS
VF91RF-SS
VF91SA-SS



☐ **MATTE SILVER**
VF91RA-SM
VF91RF-SM
VF91SA-SM



☐ **MATTE WHITE**
VF91RA-SW
VF91RF-SW
VF91SA-SW



LUMEN MULTIPLIERS

CCT	MULTIPLIER	CRI	MULTIPLIER	STANDARD TRIM	MULTIPLIER
2700K	0.95	80+	1.23	VF91RA01 (Round adjustable)	1.00
3000K	1.03	90+	1.00	VF91RF01 (Round fixed)	1.00
3500K	1.05			VF91SA01 (Square adjustable)	0.99
4000K	1.02				

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-VF91SA01 3500K 80+								
2185.9 lm	x	1.05	x	1.23	x	0.99	=	2794.8 lm

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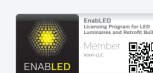
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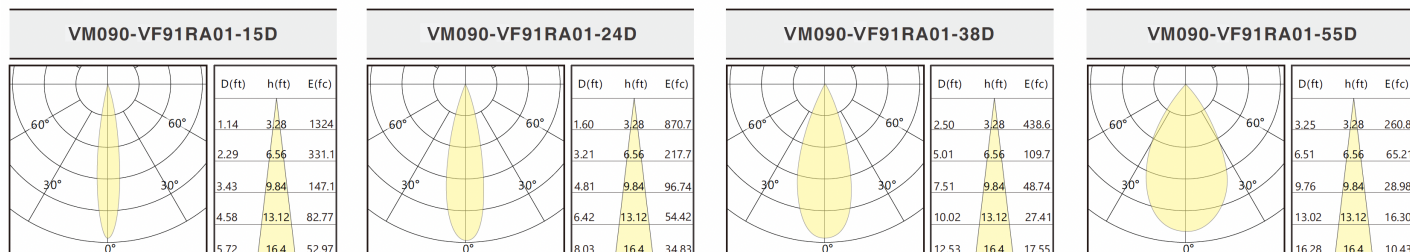
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PHOTOMETRIC DATA (NON-DIMMING)

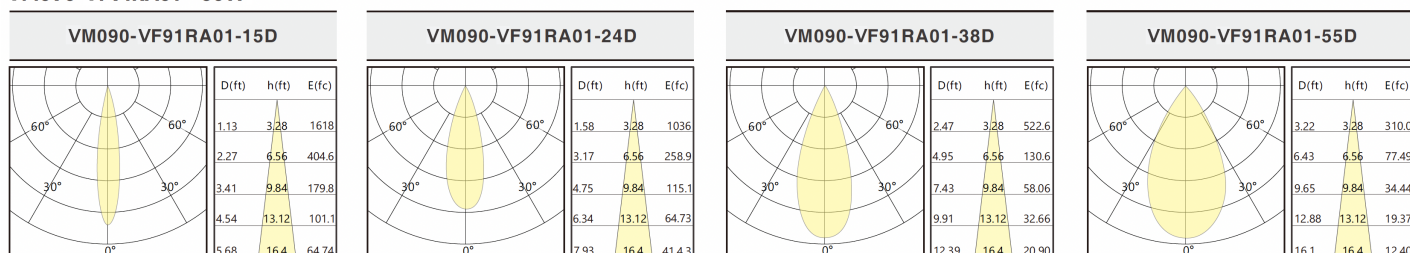
CCT (K)	CRI	LOAD (W)	BEAM OPTIC	LUMENS (lm)	EFFICACY (lm/w)	MAX CANDELA (cd)
3000K	90	25W	15°	2185	95	14314
			24°	2227	97	9380
			38°	2279	99	4725
			55°	2154	93	2847
		30W	15°	2544	92	17417
			24°	2578	94	11162
			38°	2644	96	5633
			55°	2500	91	3418
		35W	15°	3059	90	20809
			24°	3090	91	13494
			38°	3146	93	6729
			55°	2940	87	4009

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

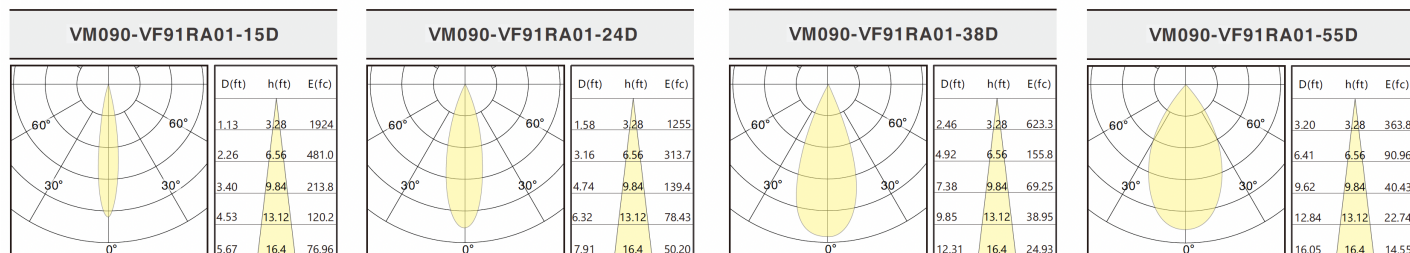
VM090-VF91RA01 25W



VM090-VF91RA01 30W



VM090-VF91RA01 35W



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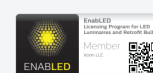
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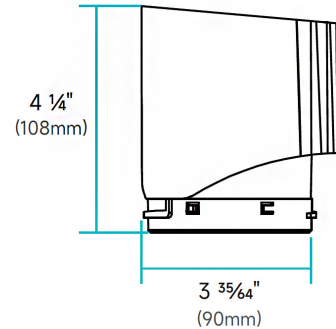
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DIMENSION

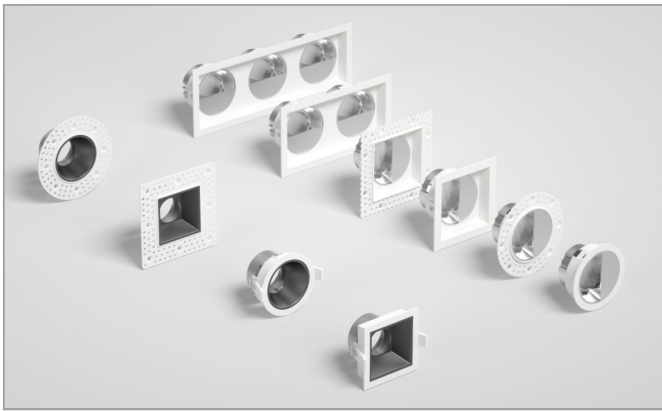
LED Module



VM090

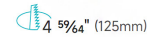
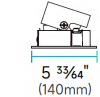


Trim For Hotel Series



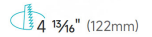
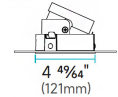
Round Adjustable

VF91RA01



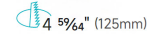
Round Adjustable
Flangeless

VF91RA01T



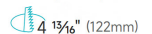
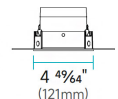
Round Fixed

VF91RF01



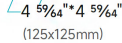
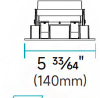
Round Fixed
Flangeless

VF91RF01T



Square Adjustable

VF91SA01



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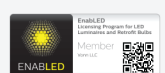
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INSTALLATION



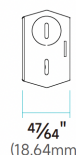
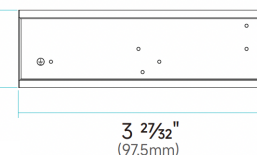
REMODEL

INSTALLATION

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

DIMENSIONS FOR REMODEL MOUNTED DRIVER

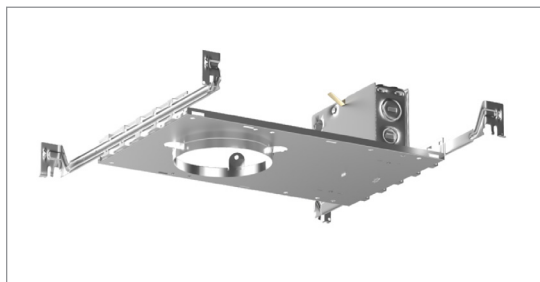
1 3/16"
(29.94mm)



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

Minimum height: 6 19/32" (167.6mm)

Maximum height: 6 57/64" (175.1mm)

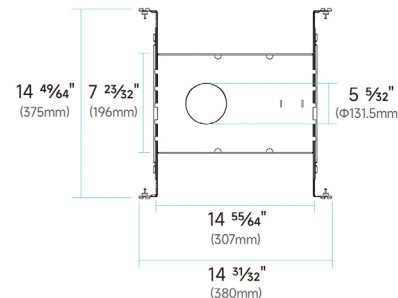


NEW CONSTRUCTION

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: 6 19/32" (167.6mm)

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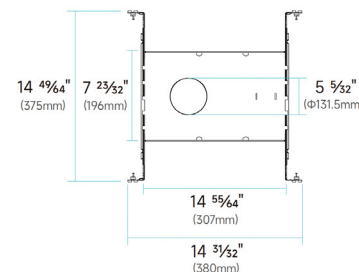
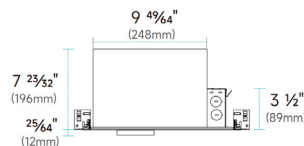


IC RATED HOUSING

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.

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