

# VELLA 4" HOTEL DOWNLIGHT

VM070-VF71RF01T

By VONN Lighting

VONN

PROJECT:

TYPE:

CATALOG#:

DATE:

## DESCRIPTION

The VELLA 4" 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

	VM070	
WATTAGE	20 W	25 W
LUMEN OUTPUT	1860lm	2182lm
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	20 W	25 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	 3/64" - 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)

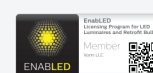
\*\*\*Please note lumens and wattage are subject to change and will be determined post production of the first articles.

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

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VONN, LLC.  
3323 NE 163rd St, PH-706  
North Miami Beach, FL 33160  
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## ORDERING INFORMATION

VM070	VF	7	1	-	-	-	-	-	-	-	-
Led Module	Trim	Dimensions of trim	Application	Trim Shape	Trim Style	Flangeless Trim	Safety Standard	Voltage	Lumen Output	Dimming Methods	Including Housing
VM070	VF	7 Nominal size: 70mm	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**  
VM070-H



☐ **SOFT LENS**  
VM070-L



### SECONDARY REFLECTOR COLOR

☐ **BLACK**  
VF71RA-SB  
VF71RF-SB  
VF71SA-SB



☐ **BRIGHT SILVER**  
VF71RA-SS  
VF71RF-SS  
VF71SA-SS



☐ **MATT SILVER**  
VF71RA-SM  
VF71RF-SM  
VF71SA-SM



☐ **MATT WHITE**  
VF71RA-SW  
VF71RF-SW  
VF71SA-SW



## LUMEN MULTIPLIERS

CCT	MULTIPLIER
2700K	0.95
3000K	1.00
3500K	1.03
4000K	1.06

CRI	MULTIPLIER
80+	1.23
90+	1.00

STANDARD TRIM	MULTIPLIER
VF71RA01 (Round adjustable)	1.00
VF71RF01 (Round fixed)	0.99
VF71SA01 (Square adjustable)	0.96

## 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: EM060-EF61RF01 3500K 80+								
1712.2 lm	x	1.03	x	1.23	x	0.99	=	2147.2 lm

Theoretical Lumens: XXX LM (subject to change)

Theoretical Wattage: XXX W (subject to change)

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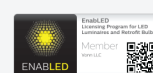
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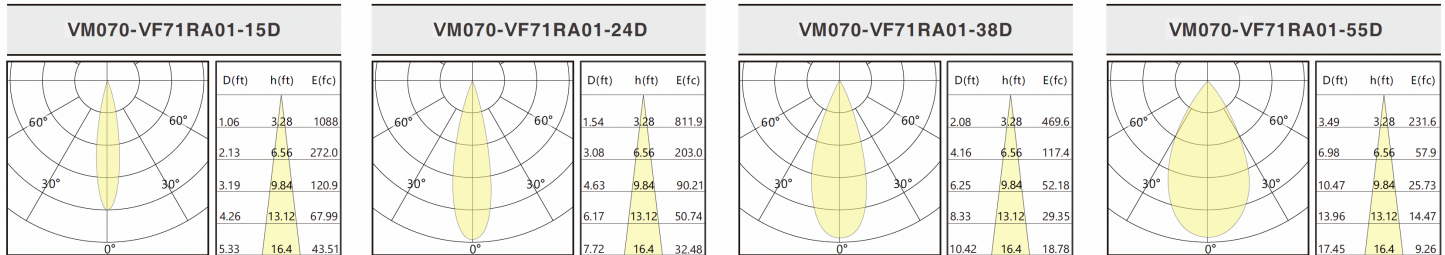
DATE:

## PHOTOMETRIC DATA (NON-DIMMING)

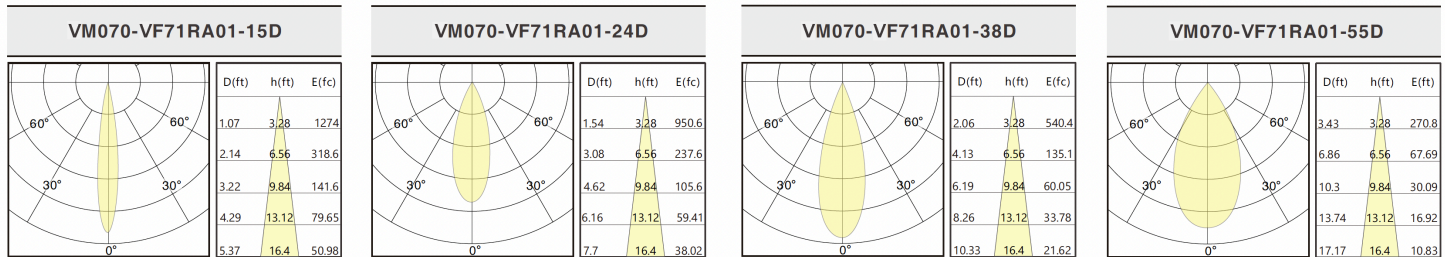
CCT (K)	CRI	LOAD (W)	BEAM OPTIC	LUMENS (lm)	EFFICACY (lm/w)	MAX CANDELA (cd)
3000K	90	20W	15°	1712	85	11692
			24°	1860	93	8753
			38°	1835	92	5046
			55°	1839	92	2485
		25W	15°	2002	83	13687
			24°	2182	90	10205
			38°	2116	88	5796
			55°	2114	88	2903

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

### VM070-VF71RA01 20W



### VM070-VF71RA01 25W



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

Theoretical Lumens: XXX LM (subject to change)

Theoretical Wattage: XXX W (subject to change)

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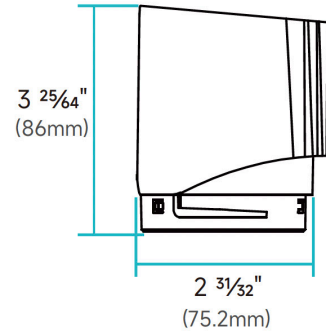
DATE:

## DIMENSION

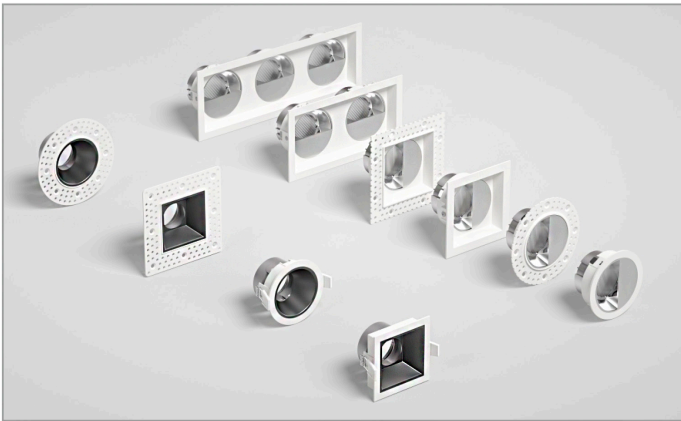
LED Module



VM070

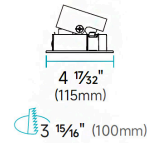


## Trim For Hotel Series



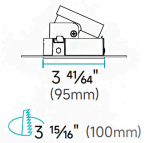
Round Adjustable

VF71RA01



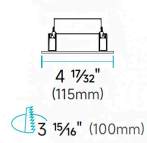
Round Adjustable  
Flangeless

VF71RA01T



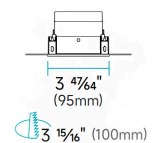
Round Fixed

VF71RF01



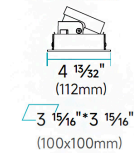
Round Fixed  
Flangeless

VF71RF01T



Square Adjustable

VF71SA01



Theoretical Lumens: XXX LM (subject to change)

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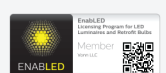
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## INSTALLATION

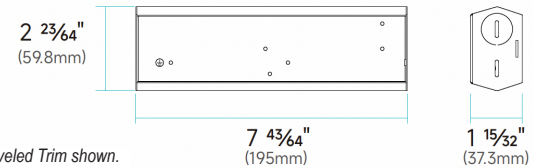


### REMODEL

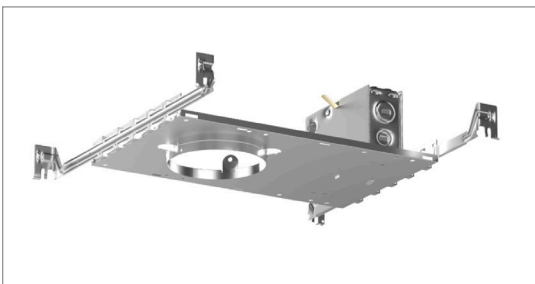
#### INSTALLATION

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

#### DIMENSIONS FOR REMODEL MOUNTED DRIVER



Note: Total height varies depending on trim, Beveled Trim shown.  
Minimum height: 5  $\frac{23}{64}$ " (136mm)  
Maximum height: 5  $\frac{17}{32}$ " (140.5mm)

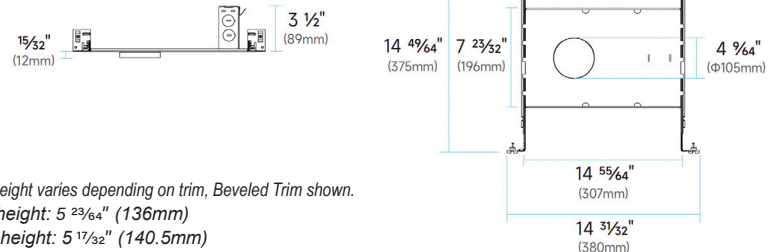


### NEW CONSTRUCTION

#### 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: 5  $\frac{23}{64}$ " (136mm)  
Maximum height: 5  $\frac{17}{32}$ " (140.5mm)

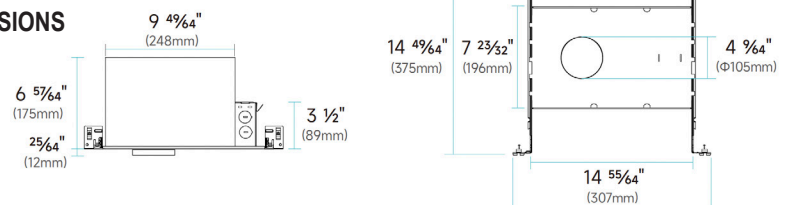


### IC RATED HOUSING

#### 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)

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