

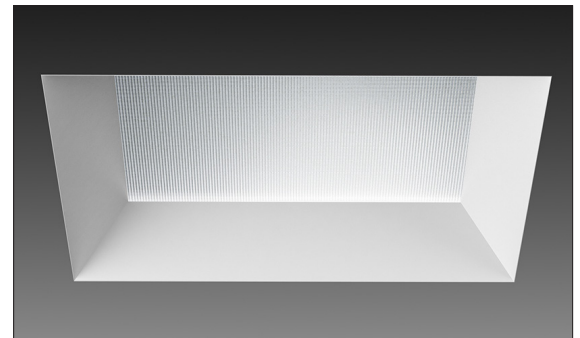
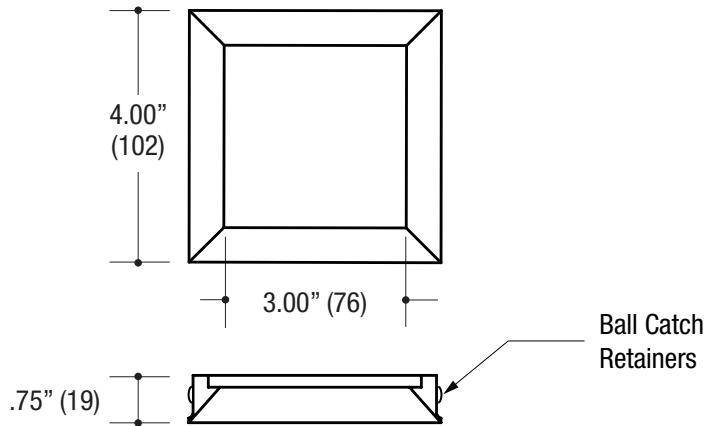
PROJECT

TYPE

CATALOG NUMBER

Measurements in ( ) are metric equivalents.

**9702** **SQUARE BEVELED TRIMLESS ACCENT** - The VF150 Series is a large aperture, high efficiency family of products that meet and exceed the needs of today's lighting designers and specifiers that are seeking performance. Formed of die-cast aluminum.



(Shown with lens)

## Specifications

### TRIM ORDERING INFO

| TRIM SERIES  | TRIM FINISH  | OPTIONS  |
|--|--|--|
| <b>9702</b><br><br>4.00" Square Beveled Accent<br>Die-Cast Aluminum<br>Trimless Insert | <b>MW</b> White<br><b>MB</b> Black<br><b>XX</b> Custom | <b>CL</b> Clear lay-in lens<br><b>DL</b> Diffused lay-in lens<br><b>SHCL</b> Shower rated<br>Clear lay-in lens<br><b>SHDL</b> Shower rated<br>Diffused lay-in lens |

Example: **9702-MB-SHCL**

### SQUARE BEVELED TRIMLESS ACCENT

- Fixed or adjustable light output application
- 4.00" square die-cast aluminum
- 3.00" square large aperture
- .75" bevel regress
- Trimless insert
- Ball catch retainer for easy trim insertion and removal
- Safety cable included
- Powder coat finish

**5 YEAR WARRANTY**  
Limited



### HOUSING ORDERING INFO

| SERIES  | WATTAGE            | CRI / COLOR                                  | BEAM   | HSG TYPE                                | DIMMING  | VOLTAGE           | OPTIONS  |
|---|--------------------|--|--|---|--|-------------------|--|
| <b>HVS-1BA-S</b><br>Small Square Trimless<br>New Construction Housing<br><br>Black finish is standard | <b>14R</b> 14W LED | <b>9018</b><br>90CRI LumaDIM™<br>3000-1800K  | <b>N*</b> Narrow 20°<br><b>M</b> Medium 40°<br><b>W</b> Wide 60° | <b>FD</b> Fixed<br><b>AD</b> Adjustable | <b>W1</b> 0-10V (9018)<br>0-10V, Bluetooth or DMX (CT16)<br><b>W4</b> EcoSystem Compatible<br>(Remote DCA required-See accessory page for options)<br><b>W5</b> EcoSystem Ready<br>Integral 1 Channel DCA (9018)<br><b>W6</b> EcoSystem Ready<br>Integral 2 Channel DCA (CT16)<br><b>W7</b> EcoSystem Ready<br>Integral 4 Channel DCA (CT16) | <b>U</b> 120-277V | <b>IC</b> Insulated Ceiling<br><br><b>EM</b> Remotely Mounted<br>Emergency LED<br>Inverter |
|   | <b>20R</b> 20W LED | <b>CT16</b><br>90CRI LumaTUNE™<br>4000-1650K | *Consult factory for accessories option                          |   |  |                   |  |
| <b>HVS-1BA-S</b>  |                    |  |  |   |  |                   |  |

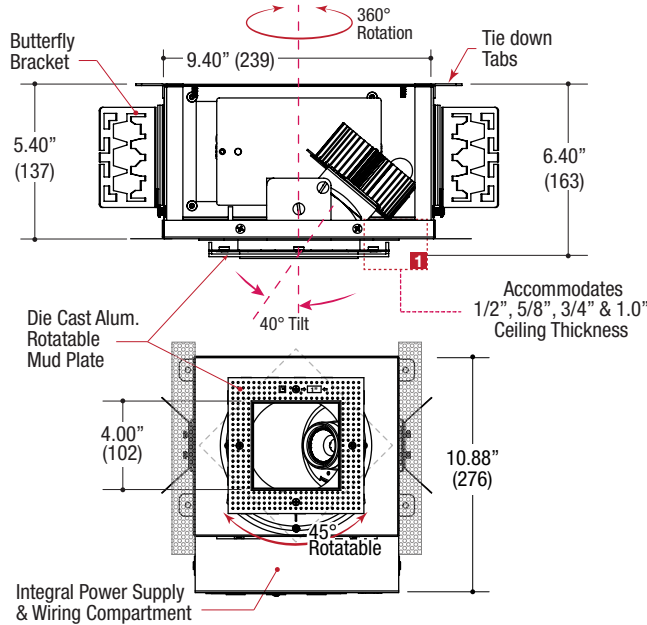
Ordering Example: **HVS-1BA-S-14R-9018-M-AD-W1-U-EM**



VF150 and LumaDIM™ together provide a whole new level of choice for light output with fully adjustable color control

LEDs have proven an effective source for many lighting applications. In the case of architectural lighting, accent and display applications have been the most widely used. Until now these designs have been limited to a single color temperature. Today, with greatly improved color quality and warm CCTs at high CRI levels, LEDs are now being used in hospitality and other areas where the effect of a "warm incandescent" type of lighting is needed. LumaDIM™ from LF Illumination can dim our VF100 LED products from a 3000K CCT at full brightness to 1800K at 1% of full range, and maintain a 90 CRI throughout, creating a warm output never before achievable with LED sources.

## Specifications



VF150 and LumaTUNE™ together provide a whole new level for white light technology, 100% - 1% tunable and dimmable

In the case of architectural lighting, the range of applications have been greater and specifications more demanding of LED technology. Typically these LED designs have been limited to a single color temperature. LumaTUNE™ offers a tunable range of 1650-4000K at high CRI levels. Dimming to 1% with fixed CCT or Dimming to 1% with variable CCT to replicate halogen dimming profiles. Rather it be specification grade directional downlight, retail, accent, cosmetic-counters, hospitality or museums LF Illumination's LumaTUNE™ offers greater versatility for the lighting designer's ever challenging demands.

**(HVS-1BA-S)**  
**SMALL SIZED HOUSING**  
**(AD)** Adjustable Downlight  
**(FD)** Fixed Downlight (Also available)

### SQUARE TRIMLESS HOUSING

- Housing of all steel construction
- Adjustable plaster frame
- Black powder coat finish
- **Ceiling Cut-out - 4.13" x 4.13"**

### LED TECHNOLOGIES

#### LumaDIM™ Warm dimming LED

- 14W / 600lm, 90CRI / 3000-1800K
- 20W / 900lm, 90CRI / 3000-1800K

[\(Click for more about LumaDIM™\)](#)



#### LumaTUNE™ Adjustable color tuning

- 14W / 600lm, 90CRI / 4000-1650K
- 20W / 900lm, 90CRI / 4000-1650K

[\(Click for more about LumaTUNE™\)](#)



### ELECTRICAL

- Field-replaceable integral LED driver
- Electrical wiring compartment integrated into housing construction
- Internal thermal protection
- Easy maintenance access through ceiling opening
- Rated for through-branch wiring
- Optional dimming

### MOUNTING

- Butterfly brackets for commercial installation in drywall, wood, stone, acoustic tile, or other ceiling types
- Perforated plate adjusts for 1/2", 5/8", 3/4" & 1.0" ceiling thickness
- Includes Heavy-Duty L-Bars™ hanger bar system for residential installation

### LABELS

- Suitable for damp location, except when ordered with shower trim - Suitable for wet location
- **IC rated / Air-Tight / Title 24 Compliant**


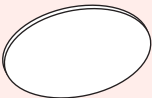
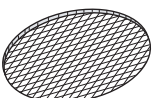

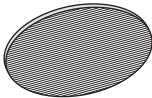
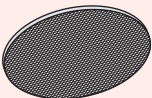

## Dimming

| 0-10V DIMMING COMPATIBILITY TABLE |             |                      |                   |
|-----------------------------------|-------------|----------------------|-------------------|
| BRAND / MODEL                     | PART #      | BRAND / MODEL        | PART #            |
| Lutron DIVA                       | DVSTV       | Vantage INFUSION     | LVOS-0-10-PWM-DIN |
| Lutron NOVA                       | NTFTV       | Vantage INFUSION     | LVOS-1-10-PWM-P   |
| Lutron NOVA                       | NTTV        | Crestron iLUX        | CLS-EXP-DIMFLV    |
| Lutron HWQS                       | LMJ-5T-DV-B | Crestron DIN         | DIN-4DIMFLV4      |
| Lutron POWPAK                     | RMJ-5T-DV-B | Crestron Green Light | GLX-DIMFLV8       |
| Lutron Grafik Eye 3000            | GRX-TVI     | Crestron Green Light | GLXP-DIMFLV8      |
| Lutron Grafik Eye 4000            | GRX-TVI     | Crestron DIN         | DIN-A08           |
| Lutron QS ENERGI SAVR             | QNS-4T16-S  |                      |                   |



**(HVS-1BA-S)**  
**SMALL SIZED HOUSING**



| OPTICAL ACCESSORY   | DESCRIPTION   | LIGHT SOURCE                     |
|---|---|----------------------------------|
|   |   | • LED                            |
|    | Clear Lens  | OPTB-CLR<br>Ø2.00" (51mm) nom.   |
|   | Clear Lens - LED Film   | OPTB-L-CLR<br>Ø2.00" (51mm) nom. |
|    | UV Lens   | OPTB-UVL<br>Ø2.00" (51mm) nom.   |
|    | Hex Cell Louver   | OPTB-HXL<br>Ø2.00" (51mm) nom.   |
|   | Diffusion Lens  | OPTB-DFL<br>Ø2.00" (51mm) nom.   |
|   | Diffusion Lens - LED Film   | OPTB-L-DFL<br>Ø2.00" (51mm) nom. |
|  | Linear Spread Lens  | OPTB-LSL<br>Ø2.00" (51mm) nom.   |
|   | Linear Spread Lens - LED Film   | OPTB-L-LSL<br>Ø2.00" (51mm) nom. |
|  | Prismatic Spread Lens   | OPTB-PSL<br>Ø2.00" (51mm) nom.   |
|  | RACK-MOUNTED / Remote<br>EcoSystem DCA 1-Channel<br>For LumaDIM Dimming (9018)  | LF-LTDCA1                        |
|   | RACK-MOUNTED / Remote<br>EcoSystem DCA 2-Channel<br>For LumaTUNE Dimming & CCT Control (CT16)   | LF-LTDCA2                        |
|   | RACK-MOUNTED / Remote<br>EcoSystem DCA 4-Channel<br>For LumaTUNE Dimming & Full Color Control<br>CCT, Saturation, CT & Intensity (CT16) | LF-LTDCA4                        |

\* Other filters, colored glass, dichroics & micro-lenses available upon request