

# 4" VersaLux LED Low Profile Slot

LED

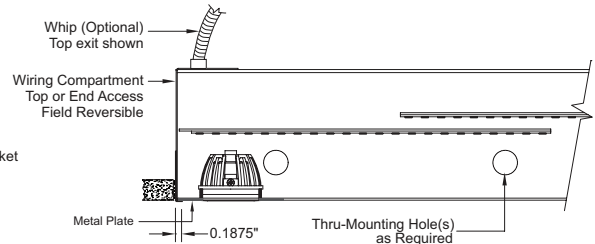
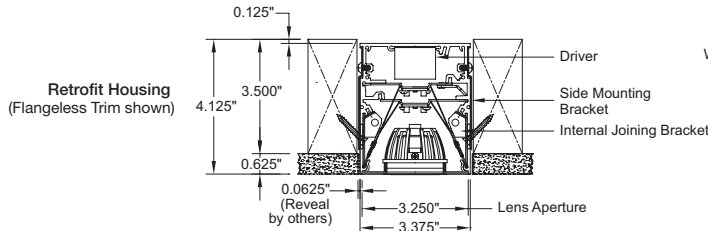
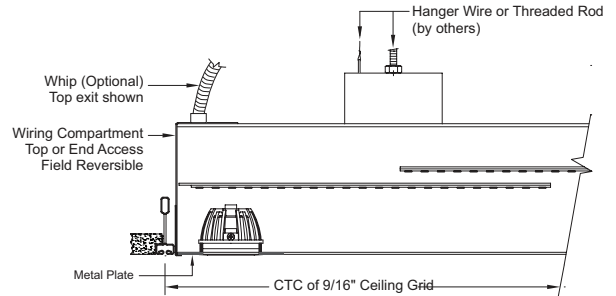
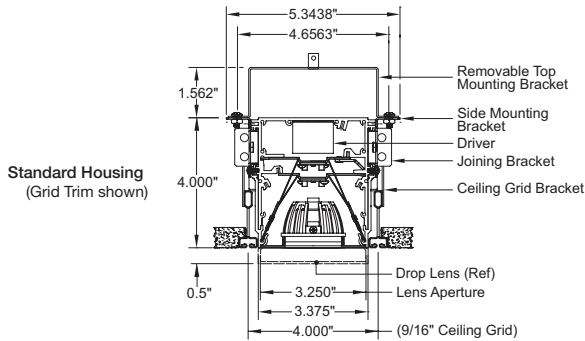


LED Linear Low Profile Flush Lens Slot with Pinhole Aperture LED Downlight Modules

VLL4-LO

Job Name \_\_\_\_\_

Fixture Type \_\_\_\_\_



### Ceiling Trim Details

Retrofit Trim		Plaster Trim		Flange Trim		Grid Trim			
1" Flange Retrofit: <b>FR</b>	Flangeless Retrofit: <b>XR</b>	Plaster Flange Above Ceiling: <b>PA</b>	Plaster Flange Below Ceiling: <b>PB</b>	1" Flange: <b>F1</b>	Donn Fineline Armstrong Bolt: <b>X9</b>	TechZone 9/16 Suprafine: <b>X9</b>	TechZone 15/16 Prelude: <b>X1</b>	TechZone 9/16 Interlude: <b>X9</b>	Decoustic or Architectural: <b>X9</b>

VLL4-LO-	LED DOWNLIGHT					LINEAR LED					Length (")	Ceiling Trim	Whip	
	D	CRI	Color	Output	Dimming	Lens	CRI	Color	Output	Dimming				Lens
1	880+	27	2700K	S Std.	S Std. 0-10V 1%	S 25° Spot	880+	27	2700K	S Std.	S Std. 0-10V 1%	DF Diffuser	<b>PA</b> Plaster Flange Above <b>PB</b> Plaster Flange Below <b>F1</b> Flange 1" <b>X9</b> 9/16 Grid Trim <b>X1</b> 15/16 Grid Trim <b>FR</b> 1" Flange Retrofit <b>XR</b> Flangeless Retrofit	<b>N</b> No Whip <b>W</b> Std. Whip <b>C</b> Chicago Whip
2	990+	30	3000K	H High	H ECO 1% <sup>(2)</sup>	F 40° Flood	990+	30	3000K	H High	H ECO 1% <sup>(2)</sup>	D1 Drop 1/2"		
3		35	3500K	M Max.	D DALI 1%	D Diffuser		35	3500K	M Max.	D DALI 1%	BW Batwing		
4		40	4000K	Custom: Specify Lumens <sup>(1)</sup>	P POE <sup>(1)</sup> W Wireless <sup>(1)</sup>	O Solite H Hexcel		40	4000K	Custom: Specify Lm/Ft <sup>(1)</sup>	P POE <sup>(1)</sup> W Wireless <sup>(1)</sup>	LW Louver White LS Louver Specular		

Product Code Example: VLL4-LO-3D830SS0-L830HSD1-120-X9-WN

\*Fixture must be installed before ceiling

Low profile, flush lens slot with pinhole LED downlight module(s). Linear portion utilizes high performance LED boards, full reflectors and snap-in lenses. Downlight module(s) utilize a high performance COB component and reflector behind a clear or frosted lens. Available with plaster, flange or grid trim options for new construction and flange or flangeless trims for retrofit installations.

### Features

- Starfire's proprietary EvenGlow™ system provides uniform illumination from end-to-end without lamp imaging, bright spots or shadows at any length
- Fixtures fabricated to any length without custom engineering
- Exceptional lumen per watt efficiency
- High efficiency, low cost, Tunable White option
- High performance snap-in lenses; flush diffusion, flush batwing, or drop with illuminated end caps, plus white or specular louver options

### Fixture Specifications

- Housing/Trim: Heavy-duty extruded aluminum
- Finish: White (std), custom available
- Weight: Approx. 3.5lbs. per linear foot, plus 0.25lbs. per VDM downlight module
- UL Listed, (indoor non-condensing) & CCEA Approved
- Linear LED: Page 2, VDM Downlight: Download spec sheet

### Electrical

- Power consumption: Per specification based on LED configuration
- Input Voltage: 120-277V universal driver
- Ambient operating range: -4 °F to +100 °F
- Integral electronic drivers
- Independent linear and downlight circuiting
- Integral wiring bus between fixture sections
- Drivers with full dimming range at any output choice
- Dimming: 0-10V 1% standard, contact factory for options

### Mounting

- Universal mounting brackets provided. Contact factory for alternate mounting
- Easy Access wiring compartment – all connections can be made without disassembling the fixture.
- 7/8" knockouts provided for top or end.

### Ceiling Cutout: Refer to Page 3

### Options (Consult factory)

- 6 ft armored whip, may be factory installed
- Occupancy sensor, daylight control module
- EM pack (Delivers 800+ total lumens for 90 mins). Specify length and location (+/- 2ft) at time of order
- HVAC, fire sprinkler, surveillance or public address systems integration

<sup>(1)</sup> Specify – Factory to confirm

<sup>(2)</sup> Minimum of two VDM modules per fixture



STARFIRE LIGHTING, INC.  
7 Donna Drive, Wood-Ridge, NJ 07075  
starfirelighting.com

P 201.438.9540  
F 201.438.9541

All designs and drawings are the property of STARFIRE LIGHTING, INC. We reserve the right to make changes to specifications and approved designs at any time without notice to facilitate manufacturing methods to the extent that such changes do not compromise design integrity. All performance specifications are subject to +/- 10% deviation.

# Low Profile Flush Lens Slot with Pinhole Aperture LED Downlight Modules

VLL4-LO

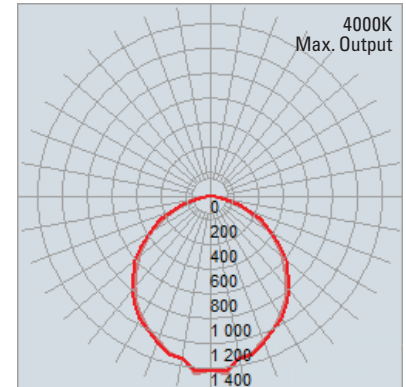
Linear Photometrics

## LED Strip

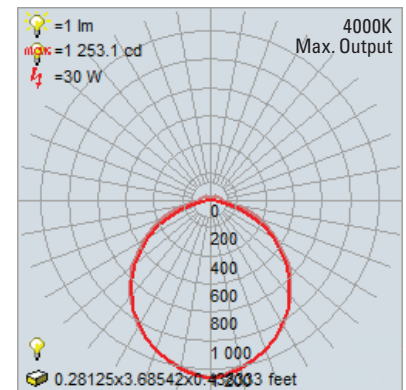
High output edge-to-edge, end-to-end illumination

- Choice of lumen output levels:
  - S:** Standard
  - H:** High
  - M:** Maximum
  - C:** Custom (between 300 and 1000 Lm/Ft)
- LED Efficiency: Up to 160 Lm/Wt at Maximum output and 180 Lm/Wt at Standard power (at 80+ CRI)
- L70: 50,000+ hours at Maximum output
- 2700K, 3000K, 3500K, 4000K and Tunable White: 2700K-6500K
- CRI: 80+ or 90+
- Color Consistency: Equal or better than 3 SCDM with chip mixing
- 5 year limited warranty\*

## Diffuser



## Drop 1/2"



## Diffuser

80 CRI	4000K		3500K		3000K		2700K		
Output Setting	Lm/Ft	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt
<b>S</b> Standard	<b>500</b>	3.89	128	3.97	125.9	4.14	120.8	4.69	106.7
<b>H</b> High	<b>750</b>	6.09	123.1	6.22	120.5	6.5	115.4	7.5	100
<b>M</b> Maximum	<b>1000</b>	8.5	117.7	8.68	115.2	9.09	110.1	10.71	93.3

Performance for nominal 4 foot length or greater (Std. 6ft)

## 1/2" Drop Lens

80 CRI	4000K		3500K		3000K		2700K		
Output Setting	Lm/Ft	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt
<b>S</b> Standard	<b>500</b>	3.7	133.6	3.8	130.9	4.0	125.6	4.5	111.2
<b>H</b> High	<b>750</b>	5.8	128.2	6.0	125.6	6.2	120.3	7.2	104.5
<b>M</b> Maximum	<b>1000</b>	8.1	122.9	8.3	120.2	8.7	114.9	10.2	97.8

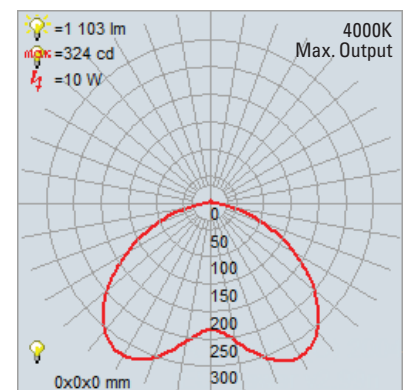
Performance for nominal 4 foot length or greater (Std. 6ft)

## Batwing

80 CRI	4000K		3500K		3000K		2700K		
Output Setting	Lm/Ft	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt
<b>S</b> Standard	<b>500</b>	4.1	122.2	4.2	119.8	4.4	114.9	4.9	101.3
<b>H</b> High	<b>750</b>	6.4	116.8	6.6	114.4	6.8	109.5	7.9	94.7
<b>M</b> Maximum	<b>1000</b>	9.0	111.5	9.2	109.1	9.6	104.2	11.4	88.0

Performance for nominal 4 foot length or greater (Std. 6ft)

## Batwing



\* See Starfire website for Product Limited Warranty



STARFIRE LIGHTING, INC.  
7 Donna Drive, Wood-Ridge, NJ 07075  
starfirelighting.com

P 201.438.9540  
F 201.438.9541

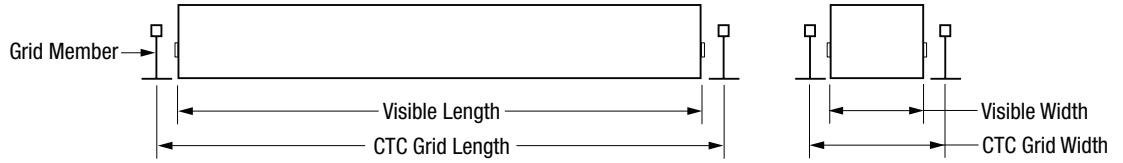
All designs and drawings are the property of STARFIRE LIGHTING, INC. We reserve the right to make changes to specifications and approved designs at any time without notice to facilitate manufacturing methods to the extent that such changes do not compromise design integrity. All performance specifications are subject to +/- 10% deviation.

# Low Profile Flush Lens Slot with Pinhole Aperture LED Downlight Modules

VLL4-LO

## Ceiling Dimensions

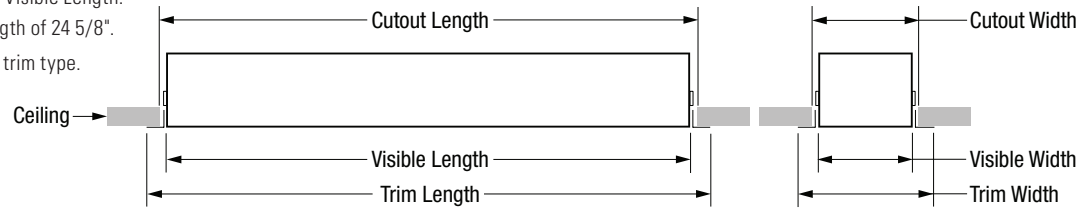
### Grid Ceiling Dimensions



Order CTC Grid Length	9/16", Don Fineline, Decoustic			15/16"		
	Visible Length	Visible Width	CTC Grid Width	Visible Length	Visible Width	CTC Grid Width
24"	23 3/8"	3 3/8"	4"	23"	3 3/8"	4 3/8"
30"	29 3/8"	3 3/8"	4"	29"	3 3/8"	4 3/8"
36"	35 3/8"	3 3/8"	4"	35"	3 3/8"	4 3/8"
48"	47 3/8"	3 3/8"	4"	47"	3 3/8"	4 3/8"
60"	59 3/8"	3 3/8"	4"	59"	3 3/8"	4 3/8"
72"	71 3/8"	3 3/8"	4"	71"	3 3/8"	4 3/8"
84"	83 3/8"	3 3/8"	4"	83"	3 3/8"	4 3/8"
90"	89 3/8"	3 3/8"	4"	89"	3 3/8"	4 3/8"
96"	95 3/8"	3 3/8"	4"	95"	3 3/8"	4 3/8"

### Custom Fixture Length Example:

A 24" Nominal Order Length yields a 23 3/8" Visible Length.  
 For a 24" Visible Length, order a Custom Length of 24 5/8".  
 See charts below for length adjustments per trim type.



### Solid Ceiling Dimensions

Nominal Order Length	Visible Length	Visible Width	Plaster Flange				1" Flange <sup>(1)</sup>				Retrofit 1" Flange <sup>(2)</sup>			
			Trim Length	Trim Width	Cutout Length	Cutout Width	Trim Length	Trim Width	Cutout Length	Cutout Width	Trim Length	Trim Width	Cutout Length	Cutout Width
24"	23 3/8"	3 3/8"	26 3/32"	6 3/32"	24 1/4"	4 1/4"	25 1/8"	5 1/8"	24 1/4"	4 1/4"	25 1/8"	5 1/8"	24 1/4"	4 1/4"
30"	29 3/8"	3 3/8"	32 3/32"	6 3/32"	30 1/4"	4 1/4"	31 1/8"	5 1/8"	30 1/4"	4 1/4"	31 1/8"	5 1/8"	30 1/4"	4 1/4"
36"	35 3/8"	3 3/8"	38 3/32"	6 3/32"	36 1/4"	4 1/4"	37 1/8"	5 1/8"	36 1/4"	4 1/4"	37 1/8"	5 1/8"	36 1/4"	4 1/4"
48"	47 3/8"	3 3/8"	50 3/32"	6 3/32"	48 1/4"	4 1/4"	49 1/8"	5 1/8"	48 1/4"	4 1/4"	49 1/8"	5 1/8"	48 1/4"	4 1/4"
60"	59 3/8"	3 3/8"	62 3/32"	6 3/32"	60 1/4"	4 1/4"	61 1/8"	5 1/8"	60 1/4"	4 1/4"	61 1/8"	5 1/8"	60 1/4"	4 1/4"
72"	71 3/8"	3 3/8"	74 3/32"	6 3/32"	72 1/4"	4 1/4"	73 1/8"	5 1/8"	72 1/4"	4 1/4"	73 1/8"	5 1/8"	72 1/4"	4 1/4"
84"	83 3/8"	3 3/8"	86 3/32"	6 3/32"	84 1/4"	4 1/4"	85 1/8"	5 1/8"	84 1/4"	4 1/4"	85 1/8"	5 1/8"	84 1/4"	4 1/4"
90"	89 3/8"	3 3/8"	92 3/32"	6 3/32"	90 1/4"	4 1/4"	91 1/8"	5 1/8"	90 1/4"	4 1/4"	91 1/8"	5 1/8"	90 1/4"	4 1/4"
96"	95 3/8"	3 3/8"	98 3/32"	6 3/32"	96 1/4"	4 1/4"	97 1/8"	5 1/8"	96 1/4"	4 1/4"	97 1/8"	5 1/8"	96 1/4"	4 1/4"
Custom Order Length	Order Length - 5/8"	3 3/8"	Order Length + 2 3/32"	6 3/32"	Order Length + 1/4"	4 1/4"	Order Length + 1 1/8"	5 1/8"	Order Length + 1/4"	4 1/4"	Order Length + 1 1/8"	5 1/8"	Order Length + 1/4"	4 1/4"

Nominal Order Length	Visible Length	Visible Width	Grid Trim <sup>(3)</sup>				Retrofit Flangeless			
			Trim Length	Trim Width	Cutout Length	Cutout Width	Trim Length	Trim Width	Cutout Length	Cutout Width
24"	23 3/8"	3 3/8"	23 3/8"	4 3/16"	23 1/2"	3 1/2"	25 1/8"	3 3/8"	24 1/4"	4 1/4"
30"	29 3/8"	3 3/8"	29 3/8"	4 3/16"	29 1/2"	3 1/2"	31 1/8"	3 3/8"	30 1/4"	4 1/4"
36"	35 3/8"	3 3/8"	35 3/8"	4 3/16"	35 1/2"	3 1/2"	37 1/8"	3 3/8"	36 1/4"	4 1/4"
48"	47 3/8"	3 3/8"	47 3/8"	4 3/16"	47 1/2"	3 1/2"	49 1/8"	3 3/8"	48 1/4"	4 1/4"
60"	59 3/8"	3 3/8"	59 3/8"	4 3/16"	59 1/2"	3 1/2"	61 1/8"	3 3/8"	60 1/4"	4 1/4"
72"	71 3/8"	3 3/8"	71 3/8"	4 3/16"	71 1/2"	3 1/2"	73 1/8"	3 3/8"	72 1/4"	4 1/4"
84"	83 3/8"	3 3/8"	83 3/8"	4 3/16"	83 1/2"	3 1/2"	85 1/8"	3 3/8"	84 1/4"	4 1/4"
90"	89 3/8"	3 3/8"	89 3/8"	4 3/16"	89 1/2"	3 1/2"	91 1/8"	3 3/8"	90 1/4"	4 1/4"
96"	95 3/8"	3 3/8"	95 3/8"	4 3/16"	95 1/2"	3 1/2"	97 1/8"	3 3/8"	96 1/4"	4 1/4"
Custom Order Length	Order Length - 5/8"	3 3/8"	Order Length - 5/8"	4 3/16"	Order Length - 1/2"	3 1/2"	Order Length - 5/8"	3 3/8"	Order Length + 2 3/32"	4 1/4"

For lengths over 96", consult factory regarding cutout dimensions.

<sup>(1)</sup> Fixture must be installed before ceiling.

<sup>(2)</sup> Fixture may be installed after ceiling.

<sup>(3)</sup> Grid Trim typically installed before ceiling or from above solid ceiling.



STARFIRE LIGHTING, INC.  
 7 Donna Drive, Wood-Ridge, NJ 07075  
 starfirelighting.com

P 201.438.9540  
 F 201.438.9541

All designs and drawings are the property of STARFIRE LIGHTING, INC. We reserve the right to make changes to specifications and approved designs at any time without notice to facilitate manufacturing methods to the extent that such changes do not compromise design integrity. All performance specifications are subject to +/- 10% deviation.