1" VersaLux LED Wall to Ceiling Slot System

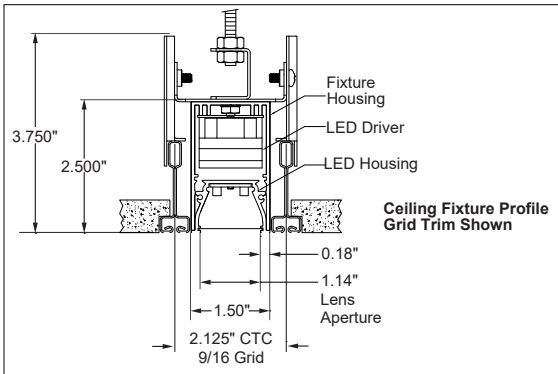
LED



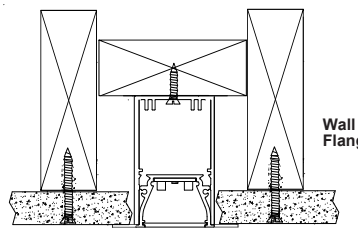
LED Linear Recessed Wall to Ceiling Flush Lens

WC1

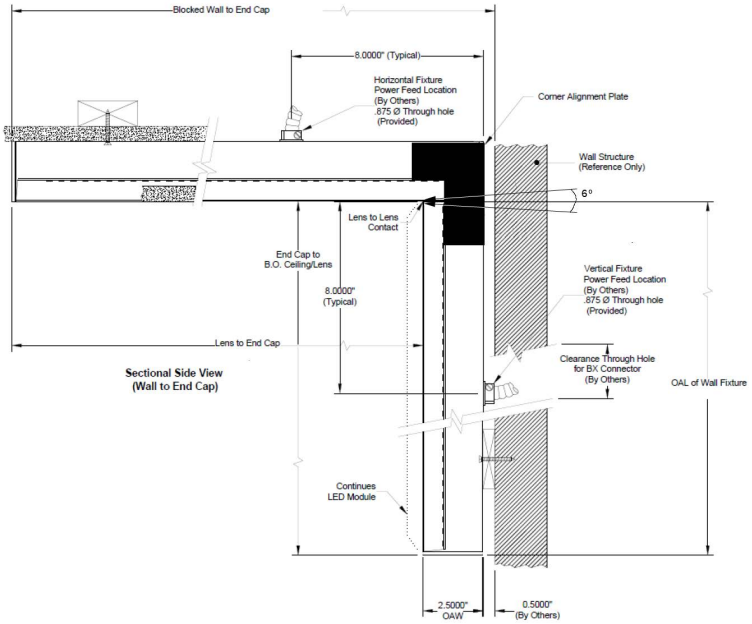
Job Name	
Fixture Type	



Ceiling Fixture Profile Grid Trim Shown

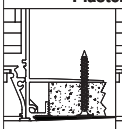
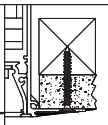
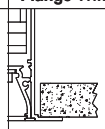
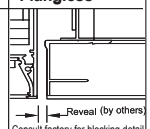


Wall Fixture Profile Flange Trim Shown

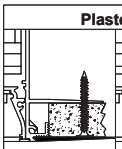
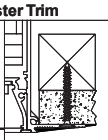
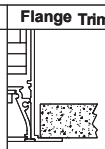
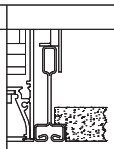
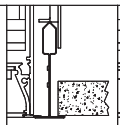
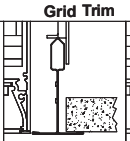
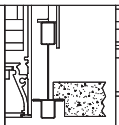
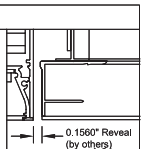


Sectional Side View (Wall to End Cap)

Wall Trim Detail

Plaster Trim		Flange Trim	Flangless Trim
			 Reveal (by others) Consult factory for blocking detail
Plaster Flange Above Ceiling **PA** *	Plaster Flange Below Ceiling **PB**	1/2" Flange Trim: **F2** *	Decoustic or Archetectual **X9**

Ceiling Trim Detail

Plaster Trim		Flange Trim	Grid Trim				
							 0.1560" Reveal (by others)
Plaster Flange Above Ceiling **PA** *	Plaster Flange Below Ceiling **PB**	1/2" Flange Trim: **F2** *	**Donn** Fineline Armstrong Bolt X9	TechZone 9/16 Suprafine **X9**	TechZone 15/16 Prelude **X1**	TechZone 9/16 Interlude **X9**	Decoustic or Archetectual **X9**

WC1-L - - -

OVERALL FIXTURE

CRI	Color Temp	Dimming
8 80+ **9** 90+ **R** RGB & RGBW	**27** 2700K *(90 CRI only)* **30** 3000K **35** 3500K **40** 4000K **TW** Tunable White(1)(2) **DW** Dim-to-Warm(1)(2) **GB** RGB Color **G3** 3000K RGBW **G5** 3500K RGBW	**S** Std. 0-10V 1% **O** Dim-to-Off(1)(2) **L** Lutron (3) **D** DALI 1% **P** PoE (3) **2** 2-Wire *(phase cut)* **W** Wireless(3) **X** DMX *(for RGBs)*

WALL

Wall(s)	Wall Lens	Wall Output	Wall Length	Wall Trim
1 one side **2** both sides	**DF** Diffuser **BW** Batwing **AS** Asym **LS** Louver Specular	**S** Std. **H** High **M** Max. *Custom: Specify Lm/Ft³* **F** Fixed *(for RGBs)*	**24** **36** **48** **60** **72** **84** **96** *Custom: Specify in inches*	**PA** Plaster Flange Behind * **PB** Plaster Flange In Front **F1** Flange 1" * **F2** Flange 1/2" * **X** Flangeless Trim

- - -

CEILING

Ceiling Lens	Ceiling Length	Ceiling Output	Ceiling Trim	Fix Finish
DF Diffuser **BW** Batwing **AS** Asymmetric **LS** Louver Specular	*Specify in inches* **6"** Minimum	**S** Std. **H** High **M** Max. *Custom: Specify Lm/Ft³* **F** Fixed *(for RGBs)*	**PA** Plaster Flange Above * **PB** Plaster Flange Below **F1** Flange 1" * **F2** Flange 1/2" * **X9** 9/16 Grid Trim **X1** 15/16 Grid Trim	**W** White **B** Black *Custom Color: Specify RAL#*

* Fixture must be installed before ceiling.

Product Code Example: **WC1-L830S-1DFS72PA-LS96SX9-W**

(1) 90CRI, 2700K-6500K std., others available. Specify CCT range.
(2) 0-10V Control, std., others available – Specify (Factory to confirm).
(3) Specify – Factory to confirm

starfire

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1" LED Linear Recessed Wall to Ceiling Flush Lens

WC1

A continuous recessed lighting fixture that transitions from wall to ceiling and an opposite wall if desired. The ceiling portion utilizes VersaLux 1" profile with all mounting options while the wall portion utilizes a low profile extrusion that can be mounted within a standard sheetrock wall cavity. Wall and ceiling sections have individually set output levels and can be dimmed separately.

Features

- Starfire's proprietary EvenGlow™ system provides uniform illumination from end-to-end without lamp imaging, bright spots or shadows at any length.
- Inside corner has flexible joint to accommodate walls that are not perfectly square, with no light leaks.
- Ceiling section overlaps wall section eliminating the need for extra ceiling length measurements.
- Housing can be screwed into properly positioned blocking for flanged or trimless wall installation.
- High efficiency, low cost, dynamic Tunable White option.
- RGB & RGBW (3000K & 3500K) full color tuning option.
- Flush High performance slide-in acrylic lenses; flush diffusion, asymmetric or batwing, plus specular louver option.
- Exceptional lumen per watt efficiency.
- High efficiency, low cost dynamic Tunable White option.
- Quick-Connect lighting modules plug together.

Fixture Specifications

- Housing/Trim: Heavy-duty extruded aluminum.
- Finish: White (std), custom available.
- Weight: Aprox. 1.3 lbs. per linear foot.
- UL Listed, (indoor non-condensing) & CCEA Approved

Electrical

- Power consumption: Per specification based on LED configuration
- Input Voltage: 120-277V universal driver
- Ambient temperature: -4 to 100 °F maximum
- Integral electronic drivers
- Integral wiring buss between fixture sections
- Drivers with full dimming range at any output choice
- Dimming: 0-10V standard (included), consult factory for other options
- RGB/W utilize remote drivers

Mounting

- Mounting brackets provided. Contact factory for special conditions.

Options (Cunsult Factory)

- Custom Ceiling to Wall to Ceiling modules available, consult factory
- Occupancy sensor, daylight control module
- Prewired Whip available.
- EM battery pack in 4ft. segments. Delivers 1000+ total lumens for 90 mins. Ddepending upon configuration). Specify location (Not for use with RGBs).
- BAA/BABA compliance for some configurations - factory will advise.

LED Specifications / Photometry: Page 3

Ceiling / Wall Cutouts: Page 4

White LED Specifications

High output edge-to-edge, end-to-end illlumination

- Choice of lumen output levels: **S**tandard, **H**igh, **M**ax. and **C**ustom (between 200 and 1100 Lm/Ft) depending upon configuration. **High Output option***: Up to 1800 Lm/Ft, consult factory.
- LED efficiency: Up to 160 Lm/Wt at Maximum output and 180 Lm/Wt at Standard power (at 80+ CRI).
- Proprietary in-house, ultra-tight Vf binned LEDs for uniform intensity.
- Color consistency*: Equal or better than 3 SCDM.
- Tunable Range: 2700K-6500K, other ranges available.
- Dim-to-Warm – Warm range down to 1800K.
- L70: 50,000+ hours at Maximum output.
- 5 year limited warranty**

RGB & RGBW LEDs

Maximum Output (Diffuser)

	Lm/Ft	Wt/Ft	Lm/Wt
RGB (all on)	**123**	9.4	6.0
White	**467**	6.8	8.4
RGBW (all on)	**617**	16.2	38.0

Output adjustable with DMX-512 Control.
Performance for standard RGBW combo tape with level diffusion lens. Consult the factory for other options.

* Does not apply to Tunable White

** See Starfire website for Product Limited Warranty

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WC1

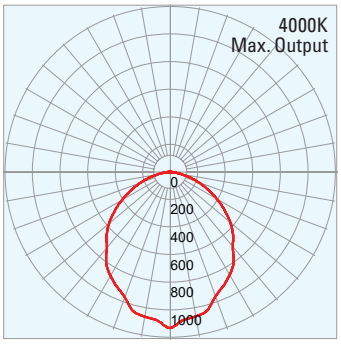
Photometrics

Diffuser

80 CRI		4000		3500		3000		2700 (90CRI)	
Settings	Lm/ft	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt
S	250	1.7	147.4	1.7	143.3	1.8	139.3	1.9	129.9
H	500	3.5	144.0	3.6	139.9	3.7	135.9	4.0	125.9
M	750	5.3	140.6	5.5	136.5	5.7	132.5	6.2	121.8

LV6

Diffuser

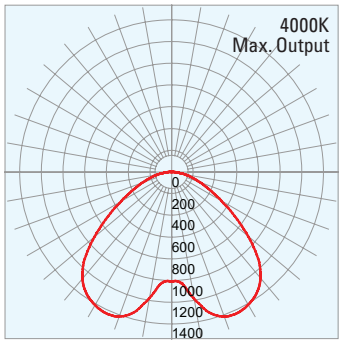


Batwing

80 CRI		4000		3500		3000		2700 (90CRI)	
Settings	Lm/ft	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt
S	250	1.7	143.6	1.8	139.7	1.8	135.7	2.0	126.6
H	500	3.6	140.2	3.7	136.3	3.8	132.3	4.1	122.5
M	750	5.5	136.8	5.6	132.9	5.8	128.9	6.3	118.4

LV6

Batwing

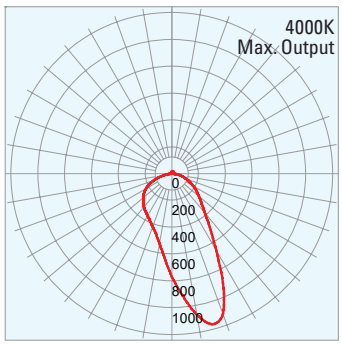


Asymmetric

80 CRI		4000		3500		3000		2700 (90CRI)	
Settings	Lm/ft	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt
S	250	1.7	147.5	1.7	143.5	1.8	139.5	1.9	130.1
H	500	3.5	144.1	3.6	140.1	3.7	136.1	4.0	126.0
M	750	5.3	140.7	5.5	136.7	5.7	132.6	6.2	121.9

LV6

Asymmetric



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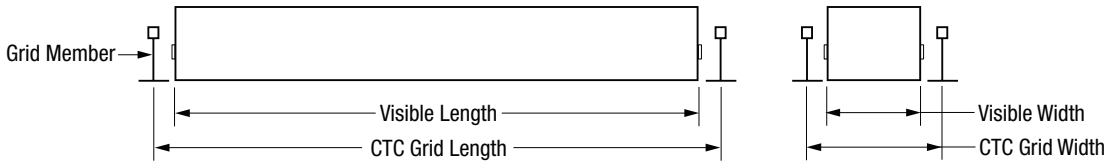
1" LED Linear Recessed Wall to Ceiling Flush Lens

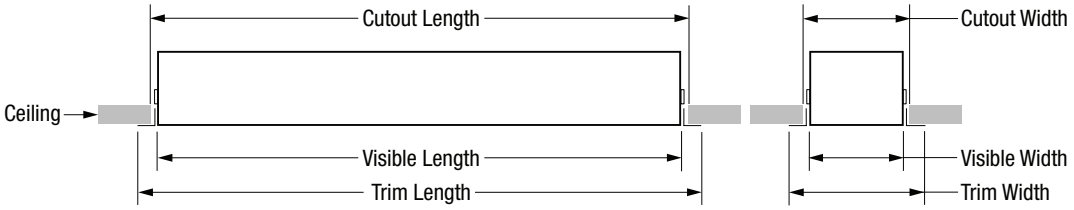
WC1

Ceiling Dimensions



Grid Ceiling
Dimensions

	9/16", Don Fineline, Decoustic			15/16"		
Order CTC Grid Length	**Visible Length**	**Visible Width**	**CTC Grid Width**	**Visible Length**	**Visible Width**	**CTC Grid Width**
24"	23 3/8"	1 1/2"	2 1/8"	23"	1 1/2"	2 1/2"
30"	29 3/8"	1 1/2"	2 1/8"	29"	1 1/2"	2 1/2"
36"	35 3/8"	1 1/2"	2 1/8"	35"	1 1/2"	2 1/2"
48"	47 3/8"	1 1/2"	2 1/8"	47"	1 1/2"	2 1/2"
60"	59 3/8"	1 1/2"	2 1/8"	59"	1 1/2"	2 1/2"
72"	71 3/8"	1 1/2"	2 1/8"	71"	1 1/2"	2 1/2"
84"	83 3/8"	1 1/2"	2 1/8"	83"	1 1/2"	2 1/2"
96"	95 3/8"	1 1/2"	2 1/8"	95"	1 1/2"	2 1/2"



Solid Ceiling
Dimensions

			Plaster Flange			
Nominal Order Length	**Visible Length**	**Visible Width**	**Trim Length**	**Trim Width**	**Cutout Length**	**Cutout Width**
24"	22 1/4"	1 1/2"	23"	4 1/4"	22 1/2"	1 7/8"
30"	27 3/4"	1 1/2"	28 1/2"	4 1/4"	28"	1 7/8"
36"	33 1/4"	1 1/2"	34"	4 1/4"	33 1/2"	1 7/8"
48"	44 5/16"	1 1/2"	45 1/16"	4 1/4"	44 9/16"	1 7/8"
60"	55 5/16"	1 1/2"	56"	4 1/4"	55 9/16"	1 7/8"
72"	71 7/8"	1 1/2"	72 5/8"	4 1/4"	72 1/8"	1 7/8"
84"	82 7/8"	1 1/2"	83 5/8"	4 1/4"	83 1/8"	1 7/8"
96"	93 7/8"	1 1/2"	94 5/8"	4 1/4"	94 1/8"	1 7/8"
Custom Order Length*	Order Length	1 1/2"	Order Length + 3/4"	4 1/4"	Order Length + 1/4"	1 7/8"

			1/2" Flange				Grid Trim (No Flange)			
Nominal Order Length	**Visible Length**	**Visible Width**	**Trim Length**	**Trim Width**	**Cutout Length**	**Cutout Width**	**Trim Length**	**Trim Width**	**Cutout Length**	**Cutout Width**
24"	22 1/4"	1 1/2"	23 1/4"	2 1/2"	22 5/8"	1 3/4"	22 9/16"	1 1/2"	22 11/16"	1 5/8"
30"	27 3/4"	1 1/2"	28 3/4"	2 1/2"	28 1/8"	1 3/4"	28 1/16"	1 1/2"	28 3/16"	1 5/8"
36"	33 1/4"	1 1/2"	34 1/4"	2 1/2"	33 5/8"	1 3/4"	33 9/16"	1 1/2"	33 11/16"	1 5/8"
48"	44 5/16"	1 1/2"	45 5/16"	2 1/2"	44 11/16"	1 3/4"	44 5/8"	1 1/2"	44 3/4"	1 5/8"
60"	55 5/16"	1 1/2"	56 5/16"	2 1/2"	55 11/16"	1 3/4"	55 5/8"	1 1/2"	55 3/4"	1 5/8"
72"	71 7/8"	1 1/2"	72 7/8"	2 1/2"	72 1/4"	1 3/4"	72 3/16"	1 1/2"	72 5/16"	1 5/8"
84"	82 7/8"	1 1/2"	83 7/8"	2 1/2"	83 1/4"	1 3/4"	83 3/16"	1 1/2"	83 5/16"	1 5/8"
96"	93 7/8"	1 1/2"	94 7/8"	2 1/2"	94 1/4"	1 3/4"	94 3/16"	1 1/2"	94 5/16"	1 5/8"
Custom Order Length*	Order Length	1 1/2"	Order Length + 1"	2 1/2"	Order Length + 3/8"	1 3/4"	Order Length + 5/16"	1 1/2"	Order Length + 7/16"	1 5/8"

For lengths over 96", consult factory for cutout dimensions

* Some exact lengths may include unobtrusive lens filler

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