

SVELT FAMILY

Introducing the Svelt Family 24V DC system, where sleek design meets adaptability.

This family offers a consistent profile across its Suspended, Ceiling, Flanged, Trimless Recessed, T-bar, and Wall Mount luminaires, allowing for seamless combinations tailored to your unique needs. Customize your lighting with a variety of optics, and effortlessly connect luminaires using adaptors and clips.

Mounting Versatility: Svelt profiles include L, T, and X corners for infinite design possibilities, making it easy to achieve your desired lighting layout.

KEY FEATURES

Uniform Profile: Svelt luminaires maintain a consistent profile, providing a seamless and unified aesthetic across Suspended, Ceiling, Flanged, Trimless Recessed, T-bar, and Wall Mount options.

Precision Construction: Crafted from a single rigid aluminum extrusion with precision-engineered die-cast end caps, Svelt luminaires offer exceptional durability and a refined look.

Optics Customization: Tailor your lighting experience with a choice of 9 distinctive optics, including Diffuser, Microprism, Micro Linear Downlight (30° and 55°), Asymmetric, Double Asymmetric, Block Frosted Diffuser, Black Diffuser and Blind Cover, meeting a wide range of lighting requirements.

Continuous Row Mounting: Effortlessly install Svelt with streamlined continuous row mounting, ensuring minimal visible seams. Two mounting solutions are included for added convenience.

High-Quality LED Drivers: Experience reliable and efficient performance with constant-voltage LED drivers, compatible with a wide input voltage range (120-277V).

Dimming Options: Achieve precise lighting control with a choice of 0-10V dimming or DALI dimming (DT6, DT8). Luminaire pre-wiring supports independent 2-circuit or 1-circuit control for uplight and downlight configurations.

Warranty: Enjoy peace of mind with a comprehensive five-year warranty covering parts and components, ensuring long-term reliability.

Finish Options: Personalize your lighting design by selecting from a range of finishes, including classic black and white, or opt for a customizable RAL finish to match your unique vision.

UL Certification: The Svelt LED and drivers are all UL certified.

SVELT RECESSED MOUNT LINEAR

Introducing the SVELT Recessed Linear series, a modern lighting solution delivering seamless lines and brilliant illumination for a range of spaces, from commercial to residential.

With sleek profiles and elegant linear designs, they offer remarkable performance and adaptability for various environments. Suitable for offices, schools, museums, and more, these fixtures come in standard lengths of 1', 2', 4', and 8'.

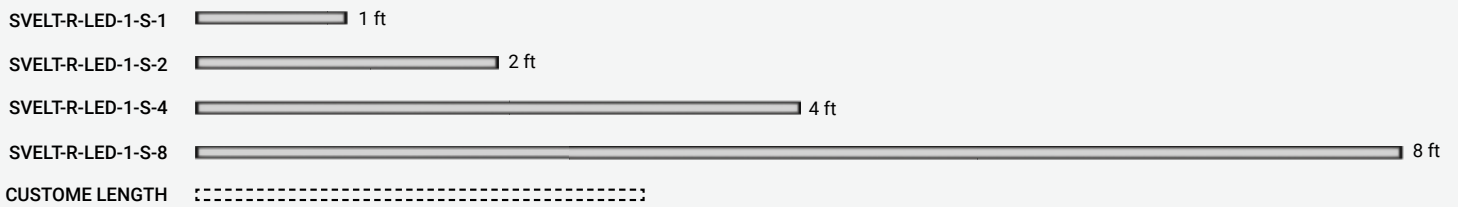
The Flanged Recessed model features a slender 7/8" lighting surface, 120 lm/w efficiency, and multiple light distribution options. Its Butterfly clip design ensures easy installation. The Trimless Recessed model shares these features with a trimless design for a seamless, minimalist look. Experience form and function in perfect harmony with the SVELT Recessed Linear series.

SERIES	Svelt - Recessed Linear
LUMENS PER FOOT	630 lm/ft
CCT	27K, 30K, 40K, 50K, 60K
CRI	90+
EFFICACY	up to 115 lm/W
LENGTHS	1', 2', 4', 8', or Custom (Consult Factory)
DISTRIBUTIONS	Diffuser, Microprism, Micro Linear Downlight 30°, Micro Linear Downlight 55°, Asymmetric, Double Asymmetric, Block Frosted Diffuser, Black Diffuser, Blind Cover
MOUNTING	Flanged Recessed, Trimless Recessed
FINISH	● BK - (black) ○ WH - (white) ● Custom RAL
DIMMING & CONTROLS	Non-Dimming (NON-DIM), 0-10V Flicker-Free Dimming (DIM10), DALI.1, DIMTR, BLE

*all drivers will be shipped separately for remote mount installation.

SVELT-R-LED-1 OPTIONS

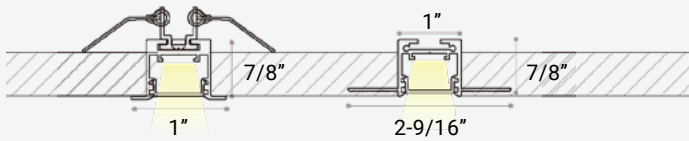
● BK - (black) ○ WH - (white)



SVELT-R-LED-1 DIMENSION

Direct

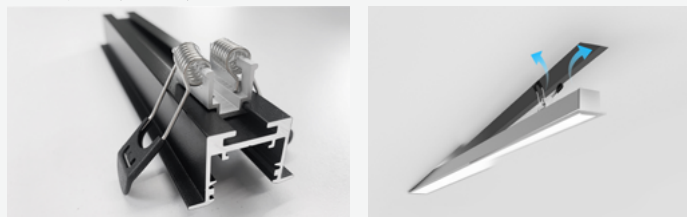
Recessed Mount Section View



SVELT-RFT
Recessed Flanged
Trim Mount

SVELT-RTL
Recessed Trimless
Mount

Butterfly Clip (Flanged)



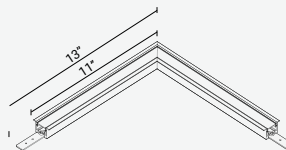
SERIES	LUMENS/FT	WATTS/FT
SVELT-R-LED	630	6.07

Based on 3000K, 90+ CRI. Actual data varies with the optic types.

CORNERS-R

● BK - (black) ○ WH - (white)

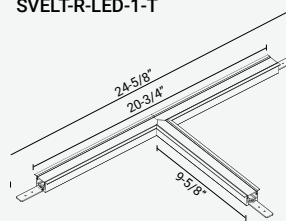
SVELT-R-LED-1-L



"L" Form Corner Fixture



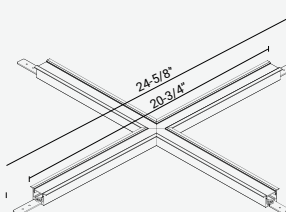
SVELT-R-LED-1-T



"T" Form Corner Fixture



SVELT-R-LED-1-X



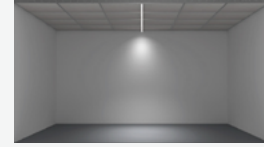
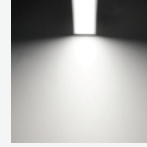
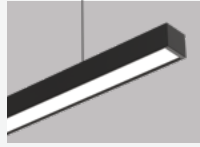
"X" Form Corner Fixture



DISTRIBUTION PATTERNS

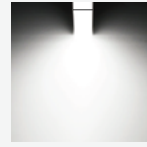
DF - Diffuser - 105 lm/w, 630 lm/ft

Can be cut to any custome size
*Consult with factory on custome length.



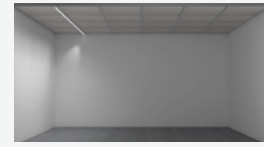
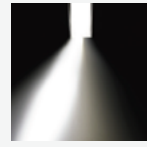
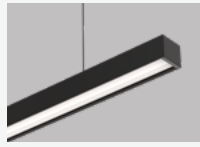
BF - Block Frosted Diffuser - 100 lm/w, 600 lm/ft

Standard length(s) in 2.4M (94") increments
*Consult with factory on custome length



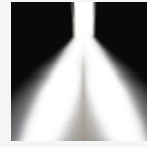
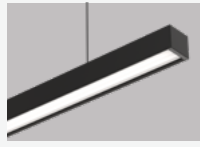
WW - Asymmetric - 110 lm/w, 660lm/ft

Can be cut to any custome size
*Consult with factory on custome length.



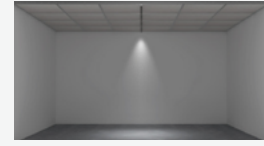
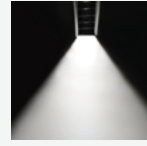
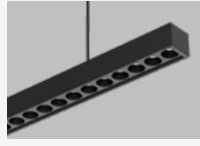
BW - Double Asymmetric 115 lm/w, 690 lm/ft

*Minimum length is 4-1/3"
Can be cut in any multiple of 4-1/3"



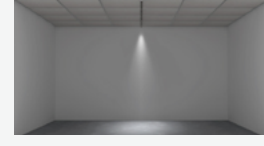
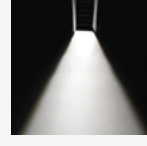
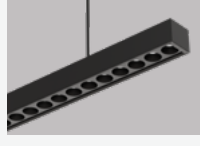
MLD55 - Micro Linear Downlight 55° - 80 lm/w, 480 lm/ft

*Minimum length is 4-1/3"
Can be cut in any multiple of 4-1/3"



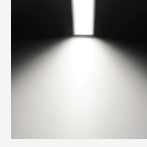
MLD30 - Micro Linear Downlight 30° 80 lm/w, 480 lm/ft

*Minimum length is 4-1/3"
Can be cut in any multiple of 4-1/3"



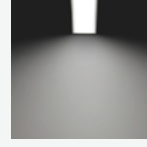
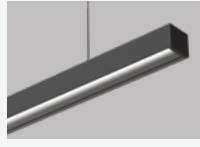
MPR - Microprism -105 lm/w, 630 lm/ft

Can be cut to any custome size
*Consult with factory on custome length.



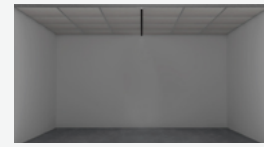
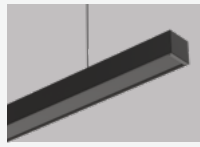
BD - Black Diffuser - 30 lm/w, 200 lm/ft

Can be cut to any custome size
*Consult with factory on custome length.



BC - Blind Cover - 0 lm/w, 0 lm/ft

Can be cut to any custome size
*Consult with factory on custome length.



MOUNTING OPTIONS



CONSTRUCTION

The Svelt family is constructed of a single rigid aluminum extrusion with die cast end caps. All optics and lenses are laser cut for precision and provide smooth edges for safe handling. All lenses (with the exception of the microlinear downlight options) are interchangeable and easily customized to provide flexibility for your spaces.

OPTICAL ASSEMBLY

Svelt offers a versatile array of 9 distinctive choices to cater to your lighting requirements. This selection encompasses 8 diffuser options and 1 Blind Cover. If you seek concentrated lighting, our Micro Linear Downlight options are available in both 30° and 55° variants. For broader, general lighting applications, consider our Diffuser and Microprism choices. When aiming for wall washing effects that gracefully envelop textured finishes, the Asymmetric or Double asymmetric lenses are ideal choices. Finally, the Block Frosted Diffuser delivers a captivating ethereal glow with the widest available distribution, sure to captivate occupants with its mesmerizing effect.

CRM INSTALLATION

The Svelt family provides a streamlined continuous row mounting solution, featuring minimal hardware designed for effortless installation. We offer two distinct solutions for connecting two or more luminaires seamlessly. Our first option joins both profiles while preserving the original end caps, maintaining their unchanged appearance. Alternatively, the second solution involves the removal of end caps for both profiles, resulting in runs with minimal visible seams. Both mounting solutions are included with your order for added convenience.

INCLUDES ACCESSORY

The complete Svelt Architectural LED Recessed Linear project includes a spray-processed surface profile, a cover with 80% light transmittance, endcaps, flexible modulars, proper amount of butterfly clips (for flanged recessed mount), JST male & female terminal cables, a power box, and connecting fittings for seamless integration into your project. For any additional accessories, please feel free to reach out to the factory for purchasing options. They will be happy to assist you further.

DRIVER ELECTRICAL INFORMATION

Powered by high-quality constant-voltage power LED drivers which are rated for 50 to 60Hz at 120-277V input, produce less than 20% THD, and have a power factor of .90 to 1.00. Drivers are located remotely (outside of the luminaire) and can power lengths up to ~16 linear feet.

DIMMING & DRIVER INFORMATION

DIM10 - Flicker Free 1% Dimming Standard (DIM10) 0-10V dimming on either MVOLT 120, 277 or 347V.
DALI - DALI DT6, DT8 dimming down to 1%.
DIMTR - Triac dimming.

LUMINAIRE CONTROL

Luminaire can be pre-wired for independent 2-circuit control of uplight, downlight, or 1-circuit control for combined up/downlight.

WARRANTY

Five-year warranty for parts and components.
(Labor not included)

DRIVER OPTIONS:
SVELT-DR-40W-24V-DIM-TR-120V

SVELT Series Constant Voltage + Constant Current Driver							
Input Voltage	Output Voltage	Rated Power	Rated Current	Efficiency	Size	Frequency	Power Factor (Normal)
120-277VAC	24V	40W	1.67A	85%	7"*2-3/4"*1-3/8"	47-63Hz	.9

TRIAC Dimming for 120VAC, Non-Dimming for 277VAC

SVELT-DR-60W-24V-DIM-TR-120V

SVELT Series Constant Voltage + Constant Current Driver							
Input Voltage	Output Voltage	Rated Power	Rated Current	Efficiency	Size	Frequency	Power Factor (Normal)
120-277VAC	24V	60W	2.5A	86%	7"*2-3/4"*1-3/8"	47-63Hz	.9

TRIAC Dimming for 120VAC, Non-Dimming for 277VAC

SVELT-DR-96W-24V-DIM-TR-120V

SVELT Series Constant Voltage + Constant Current Driver							
Input Voltage	Output Voltage	Rated Power	Rated Current	Efficiency	Size	Frequency	Power Factor (Normal)
120-277VAC	24V	96W	4A	87%	7"*2-3/4"*1-3/8"	47-63Hz	.9

TRIAC Dimming for 120VAC, Non-Dimming for 277VAC

ED-30W-24V-TRIAC/DIM10

SVELT Series Constant Voltage + Constant Current Driver							
Input Voltage	Output Voltage	Rated Power	Rated Current	Efficiency	Size	Frequency	Power Factor (Normal)
120-277VAC	24V	30W	1.25A	≥79%@120VAC ≥80%@277VAC	6.4"*3.7"*1.5"	50/60Hz	0.99@120VAC 0.95@277VAC

ED-60W-24V-TRIAC/DIM10

SVELT Series Constant Voltage + Constant Current Driver							
Input Voltage	Output Voltage	Rated Power	Rated Current	Efficiency	Size	Frequency	Power Factor (Normal)
120-277VAC	24V	60W	2.5A	≥98%@120VAC ≥95%@277VAC	7.4"*3.7"*1.5"	50/60Hz	0.98@120VAC 0.95@277VAC

DRIVER OPTIONS:

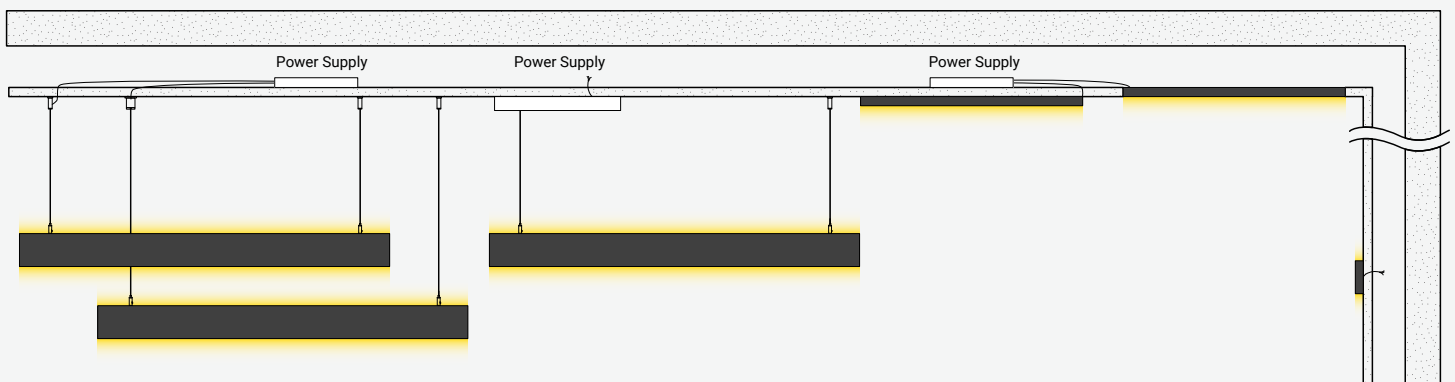
ED-96W-24V-TRIAC/DIM10

SVELT Series Constant Voltage + Constant Current Driver							
Input Voltage	Output Voltage	Rated Power	Rated Current	Efficiency	Size	Frequency	Power Factor (Normal)
120-277VAC	24V	96W	4A	≥83%@120VAC ≥86%@277VAC	8.6"*3.7"*1.5"	50/60Hz	0.98@120VAC 0.95@277VAC

ED-192W-24V-TRIAC/DIM10

SVELT Series Constant Voltage + Constant Current Driver							
Input Voltage	Output Voltage	Rated Power	Rated Current	Efficiency	Size	Frequency	Power Factor (Normal)
120-277VAC	24V	192W(2*96W)	2*4A	≥87%@120VAC ≥89%@277VAC	10.9"*4.3"*1.7"	50/60Hz	0.99@120VAC 0.94@277VAC

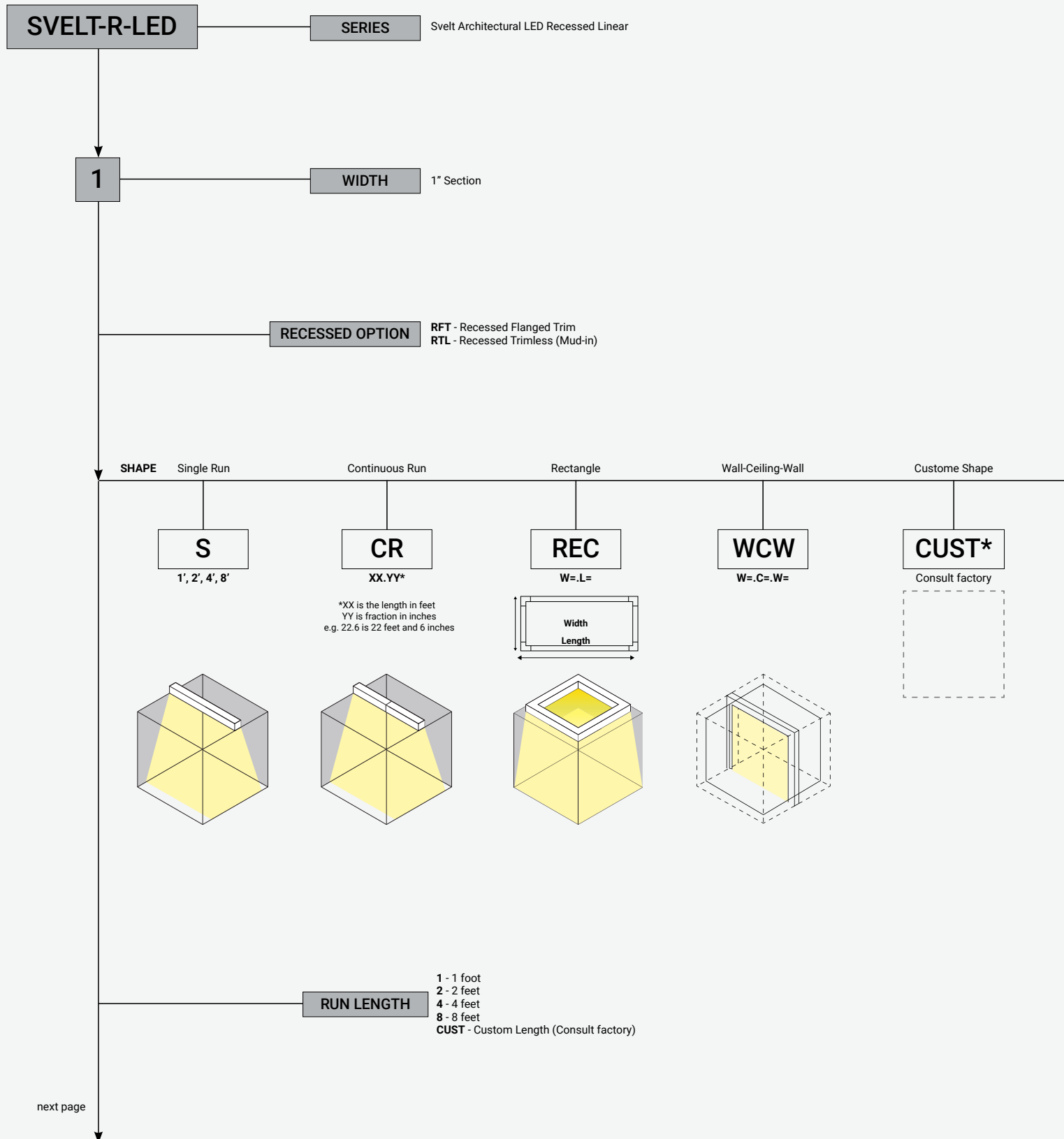
DRIVER PLACEMENT



ORDERING GUIDE

Series — Width — Recessed Option — Shape — Length — Direct — CCT — CRI — Finish — Voltage

example: **SVELT-R-LED** **1** **RTL** **REC** **W4L8** **4** **600DF** **30K** **90** **BK** **MVOLT**



previous page

LUMENS / DISTRIBUTION (Select Distribution Pattern)

600DF	600MPR	500MLD30	500MLD55	600BF	650WW	700BW	200BD	0BC
Diffuser	Microprism	Micro Linear Downlight 30°	Micro Linear Downlight 55°	Block Frosted Diffuser	Wall-Wash (Asymmetric)	Batwing (Double-Asymmetrical)	Black Diffuser	Blind Cover
630 lm/ft	630 lm/ft	480 lm/ft	480 lm/ft	600 lm/ft	660 lm/ft	690 lm/ft	200 lm/ft	0 lm/ft

CCT

- 27K - 2700K
- 30K - 3000K
- 35K - 3500K
- 40K - 4000K
- 50K - 5000K

90

CRI

90+

FINISH

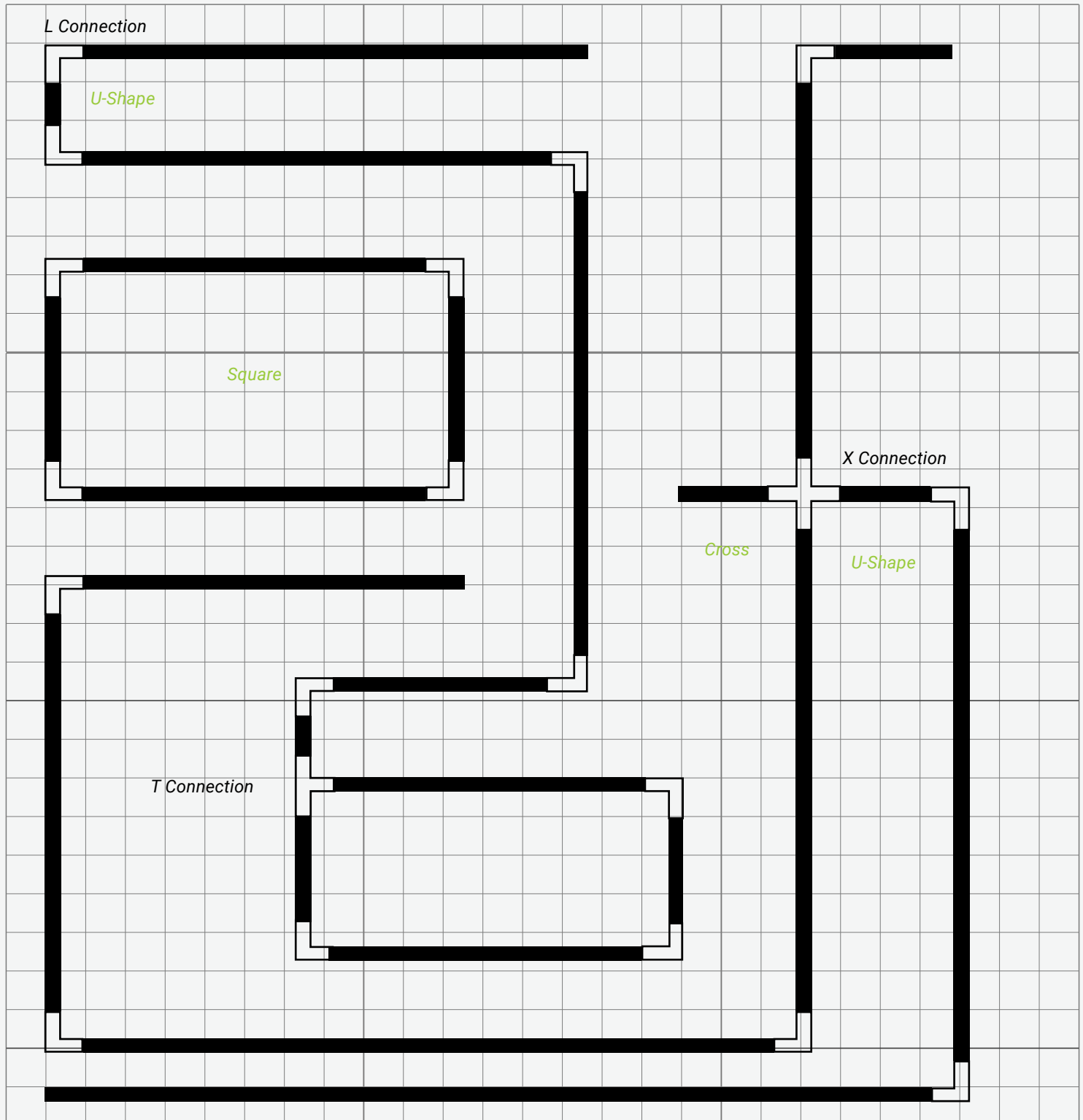
- WH - White
- BK - Black
- RAL - Custom RAL (consult factory)

VOLTAGE

MVOLT - 120V-277V

*for Dimming and Voltage, please refer to the driver options on former pages.

SVELT CONFIGURATION EXAMPLES:



NOTES

Sample configuration of shapes that are achievable with Svelt family.
Different mounting options cannot be combined.
Distribution options can be combined.

HOW TO DESIGN AND SUBMIT YOUR SVELT CONFIGURATION

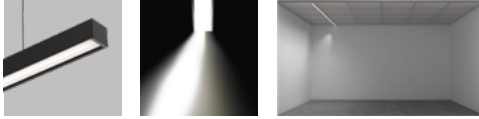
Sketch out your design using the grids space below (for designing simple luminaires only). Take a picture and email to orders@iuseelite.com:

- 1) Create your CAD assembly design using the downloadable DXF files found on the Svelt product page at www.iuseelite.com.
- 2) Use Svelt PlayGrid Configuration Tool, our virtual configuration tool designed especially for Svelt (in progress), to build your own unique pattern by dragging and dropping individual modules.

After digitally sketching out your vision, send files to Elite Lighting Svelt Design Team at orders@iuseelite.com. Omit this step for pre-fab designs.



* contact Elite for any custome shape: orders@iuseelite.com.



WW - Asymmetric - 110 lm/w, 660lm/ft



SVELT-R-LED-1-RFT-S-4-500L-WW-DIM10-24-40K-90-BK

TEST NO.: **EL12192223**

INPUT WATTS: **26.3**

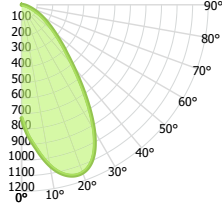
LUMENS: **1806**

EFFICACY: **69**

BEAM ANGLE: **44**

SPACING CRITERIA: **1.44**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	729	729
10°	1050	726
20°	1149	683
30°	931	612
40°	517	512
50°	277	385
60°	149	248
70°	64	135
80°	19	54
90°	1	4

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	3923	3923
45.00°	2871	3438
55.00°	1922	2964
65.00°	1296	2389
75.00°	811	1897
85.00°	211	1483

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	71
10° - 20°	212
20° - 30°	326
30° - 40°	361
40° - 50°	319
50° - 60°	244
60° - 70°	158
70° - 80°	77
80° - 90°	17

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	283	16%
0° - 30°	609	34%
0° - 40°	970	54%
0° - 60°	1533	85%
0° - 80°	1768	98%
0° - 90°	1785	99%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	20.2 fc	5.4 ft	8.4 ft
8.0 ft	11.4 fc	7.2 ft	11.2 ft
10.0 ft	7.3 fc	9.0 ft	14.1 ft
12.0 ft	5.1 fc	10.8 ft	16.9 ft
14.0 ft	3.7 fc	12.5 ft	19.7 ft
16.0 ft	2.8 fc	14.3 ft	22.5 ft
18.0 ft	2.2 fc	16.1 ft	25.3 ft
20.0 ft	1.8 fc	17.9 ft	28.1 ft

INDOOR COEFFICIENTS OF UTILIZATION

ρf	20%																0%				
	80%				70%				50%				30%					10%			
	ρw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%		30%	10%	0%	
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	99	0%		
1	110	106	102	98	107	103	100	97	99	96	93	95	92	90	91	89	88	85	0%		
2	101	93	87	82	98	91	86	81	88	83	79	84	81	77	81	78	75	73	0%		
3	93	83	76	70	90	81	75	69	78	73	68	76	71	66	73	69	65	63	0%		
4	85	74	66	60	83	73	66	60	70	64	59	68	62	58	66	61	57	55	0%		
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	54	50	48	0%		
6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	55	49	45	43	0%		
7	68	55	47	41	66	55	47	41	53	46	41	51	45	40	50	44	40	38	0%		
8	64	51	43	37	62	50	42	37	49	42	37	47	41	36	46	40	36	34	0%		
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31	0%		
10	56	43	36	31	55	43	36	31	42	35	30	41	35	30	40	34	30	28	0%		