

Lighting Requirement for the GSky® Versa Wall®

- For the basic survival of the plants, a minimum of one hundred fifty (150) foot candles of light must be provided across the entire surface of the wall for a minimum of ten to twelve (10~12) hours per day using supplemental light with a color temperature of 4,000K~4,500K.
 - The most common supplemental artificial lighting is LED or Metal Halide.
 - The lighting system must be on an independently controlled, adjustable timer
 - Light intensity should be spread as evenly across the wall as possible. Wall washer style lighting provides best results
 - Metal Halide lights must be no nearer than 4' from foliage to prevent burning.
 - A photometric study, indicating the designed foot candle coverage across the wall, must be provided prior to plant design and selection. The study may be obtained from the lighting manufacturer or your professional lighting consultant.





**GOOD
EXAMPLE**

Even light distribution flooded from top to bottom and side to side of the wall. This leads to healthy, vigorous plants with uniform growth habits and minimal replacements.



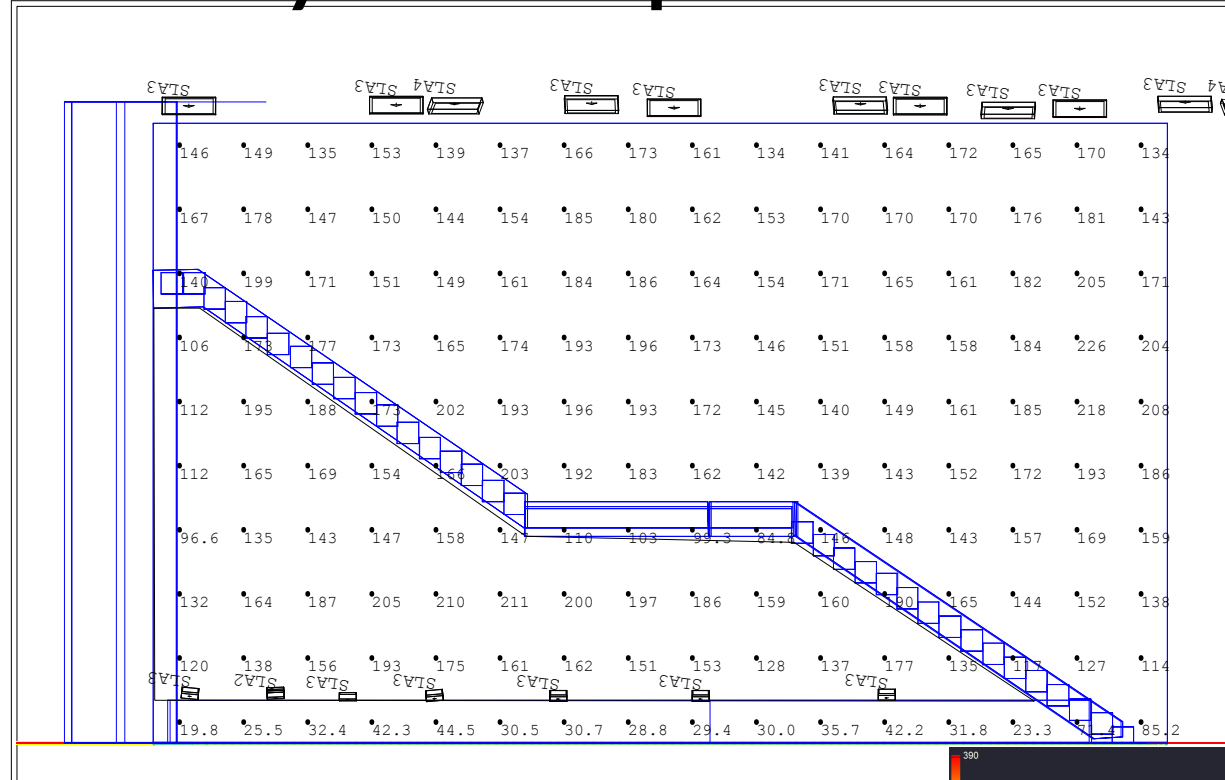
**BAD
EXAMPLE**

Obvious spot effect, not the appropriate wall wash/ even distribution. Spots of intense light and heat burn foliage, create uneven plant growth, bleach out leaf color and eventually lead to plant death and higher plant replacements.



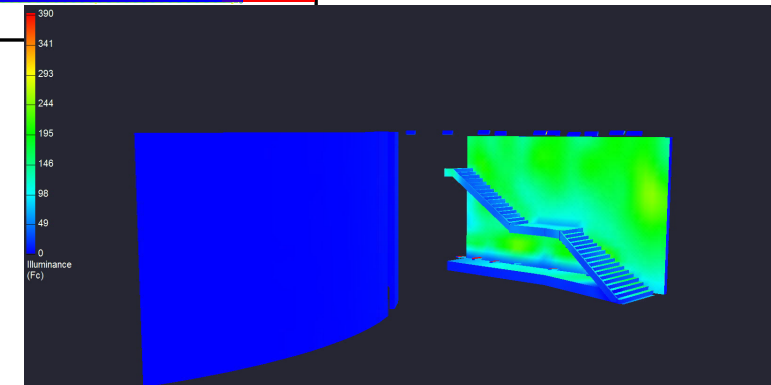
**GOOD
EXAMPLE**

Photometric study example



Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Object Side 1 1	Illuminance	Fc	149.28	226	19.8	7.54	11.40
Above Stairs	Illuminance	Fc	165.12	226	85.2	1.94	2.65
Below Stairs	Illuminance	Fc	158.54	211	96.6	1.64	2.18

Luminaire Schedule				
Symbol	Qty	Label	LLF	Description
	2	SLA4	0.880	Hubbell SLS SLAL-180-1-CWR-4K-4-ND-GR
	1	SLA2	0.880	Hubbell SLS SLAL-180-1-CWR-4K-2-ND-GR
	15	SLA3	0.880	Hubbell SLS SLAL-180-1-CWR-4K-3-ND-GR



Living Wall Lighting Consultants

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