



VERSA WALL[®]

LIGHTING REQUIREMENTS

For the basic survival of the plants, a minimum of one hundred fifty (150) foot candles of light need to be provided across the entire surface of the green wall for a minimum of ten to twelve (10~12) hours a day.

The recommended color temperature for the supplemental lighting is 4,000K~4,500K.

The most common lighting used is LED.

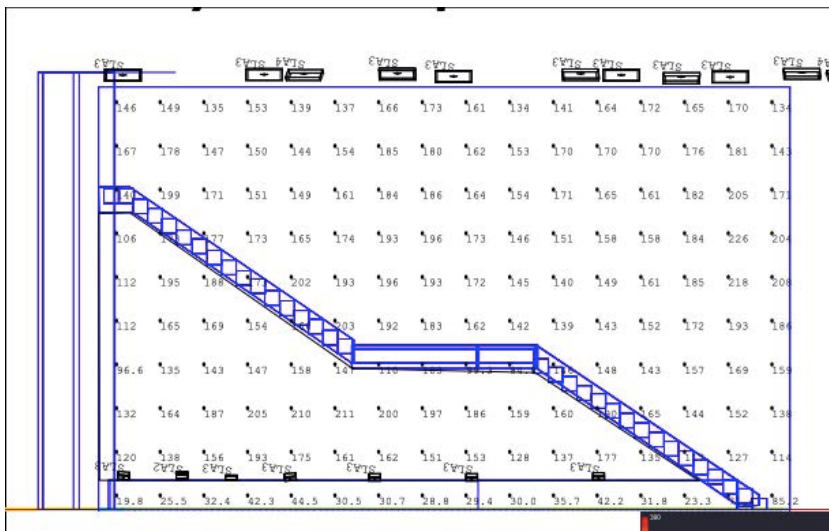
The lighting system must be on an independently controlled, adjustable timer.

Light intensity should be spread evenly across the wall as possible.

When using Metal Halide lights, there needs to be a minimum distance of 4' from the foliage to prevent burning.

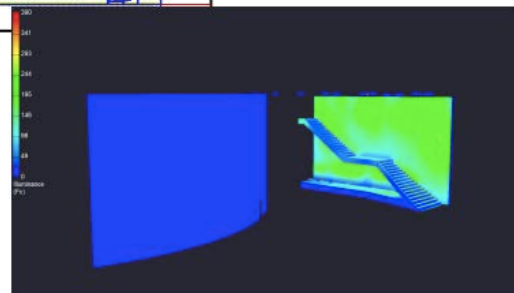
Before plant design and selection can begin, a photometric study of the green living wall must be completed, indicating the foot-candle coverage across the green living wall. The study can be obtained from a lighting manufacturer or professional lighting consultant.

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	Description
2	SLA1	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





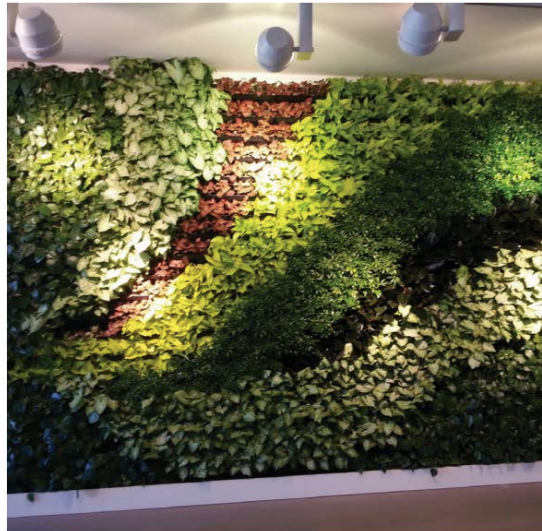
**GOOD
EXAMPLE**

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**

**GREEN LIVING WALL
LIGHTING CONTACTS**

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