



## Daylight and Quality Views Calculator

LEED v4.1 EQ Credit Daylight, EQ Credit Quality Views

### Step 1.

Enable macros.

Note: This calculator is for use with Excel for Mac 2011 and Excel 2007 or later.

### Step 2.

Unit of measurement

IP units

Note: This selection must match the unit of measurement chosen during project registration.

### Step 3.

If attempting EQ Credit: Daylight, complete the Daylight tab for each regularly occupied space.

#### For Healthcare projects

Complete the Daylight tab for each regularly occupied space within the perimeter.

### Step 4.

If attempting EQ Credit: Quality Views, complete the Quality Views tab for each regularly occupied space.

#### For Healthcare projects

Complete the Quality Views HC tab for each floor in the project building.

#### For Warehouses and Distribution Centers projects

Complete the Quality Views tab for each regularly occupied space. Indicate if the space is bulk storage, sorting, and distribution.

### Step 5.

Upload the completed spreadsheet to LEED Online. Complete any related summary fields in the LEED credit form with the results of the calculator.

### Assumptions

For Healthcare projects attempting Quality Views

IP		SI	
Floor Plate Area (sq ft)	Minimum Perimeter Area (sq ft)	Floor Plate Area (sq m)	Minimum Perimeter Area (sq m)
less than 20,000	7,348	less than 1,400	682
less than 25,000	8,785	less than 1,800	816
less than 30,000	10,087	less than 2,300	937
less than 35,000	11,292	less than 2,800	1,049
less than 40,000	12,425	less than 3,300	1,154
less than 45,000	13,500	less than 3,700	1,254
less than 50,000	14,528	less than 4,200	1,349
greater than 50,001	15,516	greater than 4,601	1,441

V02

Copyright © 2019  
U.S. Green Building Council  
All Rights Reserved  
Last Updated 1/20/21

## Daylight

Space ID	Space Description	Total Regularly Occupied Area (sq ft)	Option 1 Simulation: Spatial Daylight Autonomy and Annual Sunlight Exposure				Option 2 Simulation: Illuminance Calculations				Option 3. Measurement												
			sDA <sub>300/50</sub> value (%)	ASE <sub>100/250</sub> value (%)	Is sDA300/50 value ≥ 55%?	Is ASE100/250 value ≤ 10?	Area with daylight illuminance levels between 300 lux and 3,000 lux at 9 a.m. and 3 p.m. (sq ft)	Area with daylight illuminance levels above 3,000 lux at 9 a.m. and/or 3 p.m. (sq ft)	For spaces with illuminance above 3,000 lux: View-preserving automated shades?	Total Daylighted Area for space (sq ft)	first measurement	second measurement (Optional)	Area with daylight illuminance levels between 300 lux and 3,000 lux (sq ft)	Area with daylight illuminance levels above 3,000 lux (sq ft)	For spaces with illuminance above 3,000 lux: View-preserving automated shades?	Total Daylighted Area for space (sq ft)	Area with daylight illuminance levels between 300 lux and 3,000 lux (sq ft)	Area with daylight illuminance levels above 3,000 lux (sq ft)	For spaces with illuminance above 3,000 lux: View-preserving automated shades?	Total Daylighted Area for space (sq ft)			
100	Office	279.40	0.00	0.00	No	Yes				0									0				
101	Office	152.90	5.70	0.00	No	Yes				0									0				
102	Retail 4	898.40	49.80	22.10	No	No				0									0				
103	Retail 3	1,191.20	87.60	9.60	Yes	Yes				0									0				
104	Exhibit/Reception	1,974.10	86.90	6.10	Yes	Yes				0									0				
105	Retail 1	1,008.70	99.60	12.80	Yes	No				0									0				
106	Retail 2	1,494.30	94.90	6.60	Yes	Yes				0									0				
200	Workshop 1	1,369.20	21.30	14.60	No	No				0									0				
300	Retail 5	1,108.80	82.50	37.10	Yes	No				0									0				
301	Workshop 2	1,191.10	51.90	5.20	No	Yes				0									0				
302	Retail 6	687.50	71.40	11.80	Yes	No				0									0				
600	Studio	1,245.90	23.20	16.30	No	No				0									0				
601	Event Space	4,334.20	68.00	13.60	Yes	No				0									0				
602	Lounge	275.50	21.90	0.00	No	Yes				0									0				
603	Learning	893.70	40.70	0.00	No	Yes				0									0				
604	Kitchen	1,000.00	0.00	0.00	No	Yes				0									0				
605	Studio	1,278.30	24.60	15.70	No	No				0									0				
606	Studio	999.80	38.60	16.20	No	No				0									0				
607	Studio	999.80	36.60	14.50	No	No				0									0				
Total regularly occupied area (sq ft)		22,318.30	Average sDA300/50% value		56.58	ASE100/250 is 10% or less for all regularly occupied spaces exemplary performance: each regularly occupied space has sDA300/50% value of at least 55%		No	total daylighted regularly occupied area (sq ft)				0.00	total daylighted regularly occupied area (sq ft)				0.00	total daylighted regularly occupied area (sq ft)				0.00

## Quality Views

Quality Views - Healthcare

## Inpatient Floors

Complete the table for all inpatient floors. Floors may be grouped for simplicity.

Floor ID	Total Regularly Occupied Area (sq ft)	Occupants are within three times the head height and have direct access to the view	Visible light transmittance of the glazing (VLT) (%)	<a href="#">View Content</a>
<b>Total regularly occupied area on inpatient floors (sq ft)</b>				0.00
<b>Total regularly occupied area on inpatient floors with access to views (sq ft)</b>				0.00

### **Non-Inpatient Floors**

Complete the table for all non-inpatient floors. Each floor must be calculated separately.

## Summary for Design and Construction Rating Systems

(except Healthcare and Warehouses and Distribution Centers)

Note: All information on this tab is READ-ONLY. To edit, see the previous tabs.

### EQ Credit Daylight

Total regularly occupied area (sq ft)

22,318.30

#### Option 1. Simulation: Spatial Daylight Autonomy and Annual Sunlight Exposure

Average sDA<sub>300/50%</sub> value

56.58

sDA<sub>300/50</sub> value is at least 55% for each regularly occupied space?

No

ASE<sub>1000,250</sub> is 10% or less for all regularly occupied floor space

No

#### Option 2. Simulation: Illuminance Calculations

Total daylighted regularly occupied area (sq ft)

0.00

Percentage of regularly occupied area that is daylighted (%)

0.00%

#### Option 3. Measurement

##### *first measurement*

Total daylighted regularly occupied area (sq ft)

0.00

Percentage of regularly occupied area that is daylighted (%)

0.00%

##### *second measurement (Optional)*

Total daylighted regularly occupied area (sq ft)

0.00

Percentage of regularly occupied area that is daylighted (%)

0.00%

### EQ Credit Quality Views

Total regularly occupied area (sq ft)

0.00

Total regularly occupied area with access to quality views (sq ft)

0.00

Percentage of regularly occupied area with access to views (%)

0.00%