

L02.1 – Option 1: Visual lighting design

Technical Document

WELL Building Standard™ version 2 (WELL v2™), Q1 2021 addenda



HOW TO USE THIS DOCUMENT:

This document is intended to serve as a guide on how to create a project **technical document** to **provide visual comfort and enhance visual acuity for all users through electric lighting**.

This document is meant to demonstrate an acceptable degree of detail for a documentation submission. The Feature cannot be demonstrated solely through a confirmation that the requirements have been or will be implemented. The level of detail is up to the discretion of the project team, but the documents must include specific details demonstrating that the actual requirements have been enacted in the project boundary.

This document and similar tools are intended to assist projects in their pursuit of WELL v2 but use of this document and/or similar tools are in no way a guarantee of achievement of any rating or designation, and no representation or warranty is made regarding the likelihood of achieving any rating or designation.

Note: The below document is based on the Q1 2021 addenda of the WELL Building Standard™ version 2 (WELL v2™). Project teams are required to implement the feature requirements from the addenda version assigned to their project or any more recent addenda version.

FEATURE PART REQUIREMENTS:

For All Spaces except Dwelling Units

The following requirements are met:

- a. *All indoor and outdoor spaces (including transition areas) comply with the illuminance thresholds specified in one of the following lighting reference guidelines:*
 1. *IES Lighting Handbook 10th Edition.*3
 2. *EN 12464-1&2: 2011.*4
 3. *ISO 8995-1:2002(E) (CIE S 008/E:2001).*5
 4. *GB50034-2013.*6
 5. *CIBSE SLL Code for Lighting.*7
- b. *The illuminance thresholds take into consideration the tasks and the age groups of the occupants.*

WELL Core Guidance:

Meet these requirements in non-leased spaces. To earn an additional point, also meet these requirements in leased spaces, which requires access to at least 10% of leased space for testing (identified by the project).



The below sample documentation is intended to provide guidance in creating a Visual Lighting Design technical document. It is not a template. You may note included components that are not required to demonstrate compliance with this Feature.

Example document for Feature 2, Part 1, Option 1

Visual Lighting Design Details	
Lighting reference guide:	Ex: IES Lighting Handbook 10 th Edition
Age range of occupants:	Ex: 18-65 yrs, lighting levels have been selected based on the oldest occupants (65 yr olds)
Height of work plane for majority of occupants:	Ex: 29"

Task*	Location(s)	Illuminance Criteria
Ex: Reading documents	Ex: Library	Ex: 50 fc
Ex: Walking	Ex: Corridor	Ex: 20 fc
Ex: Computer work	Ex: Office desks	Ex: 25 fc

[*Note, make sure to include all tasks within project boundary.]

EXAMPLE ANNOTATED PLAN WITH 3.2 x 3.2 m (10x10ft) GRID

Example project is a single-story interiors office project with project boundary depicted in red, grid depicted in purple / yellow boxes, and room usages clearly called out.



TIPS FOR MULTIPLE LOCATIONS

- Organizations participating in WELL Portfolio or the multiple projects pathway can submit a Guideline for this feature part, as well as a technical document for each audited project. This Guideline must outline the feature requirements, at minimum, and it can be shared across multiple projects as a means to provide guidance for compliance. A subset of audited projects must also each submit their own technical document that demonstrates compliance with the feature requirements.