

Backlighting Cambria® Technical Guideline

This document lists Cambria designs that can be backlit.

- 1. Cambria has successfully utilized 3 backlighting technologies for natural stone products:
 - a. ThinLight LED backlighting panels (Vertical and horizontal applications)
 (Backlighting Technical Guideline ThinLight Panels)
 - b. Aspect LED backlighting panels (Vertical and horizontal applications) (Backlighting Technical Guideline- Aspect LED Panels)
 - c. Omnify Matrix (Vertical and horizontal applications) (Backlighting Technical Guideline Omnify Matrix)
- Thickness of the material is a critical consideration. Cambria recommends 1cm material for most backlighting applications. 2 Cambria designs are specifically created to be backlit as follows;
 - a. Baybridge™ (2cm max.) (1cm max. for ThinLight and Aspect LED panels)
 - b. New Brighton™ (1cm max.)
- 3. Additional Cambria designs can be properly backlit at a thickness of 1cm. Cambria's standard backlighting surface illuminance is 200 LUX for an office setting and 50 LUX for a dimly lit setting such as a study or parlor.
 - a. The following table defines Cambria designs that can be successfully backlit within an office setting (200+ LUX):

Design	Approved Thickness(es)	Omnify Matrix	ThinLight LED Panel	Aspect LED Panel	
Baybridge™	1cm, 2cm*	Yes	Yes	Yes	
Brittanicca Gold Warm™	1cm	Yes	No	No	
Brittanicca Warm™	1cm*	Yes	No	No	
New Brighton™	1cm	Yes	No	No	
Skara Brae™	1cm	Yes	No	No	
*These thicknesses cannot be backlit with ThinLight or Aspect LED panels.					

Page 1 of 2 Version 24H-0312



b. The following table defines Cambria designs that can be successfully backlit within a dimly lit environment (50+ LUX):

Design	Approved Thickness(es)	Omnify Matrix	ThinLight LED Panel	Aspect LED Panel		
Baybridge™	1cm, 2cm*	Yes	Yes	Yes		
Brittanicca Gold Warm™	1cm	Yes	No	No		
Brittanicca Warm™	1cm*	Yes	No	No		
Skara Brae™	1cm	Yes	No	No		
*These thicknesses cannot be backlit with ThinLight or Aspect LED panels.						

Page 2 of 2

Confidential and Proprietary. This document and the information contained herein are confidential and proprietary to Cambria Company LLC ("Cambria"). They may not be copied, reproduced, modified, made available or disclosed without Cambria's prior written consent. Cambria assumes no responsibility for the design, safety or workmanship of any installation and/or fabrication

Version 23G-0915

Confidential and Proprietary. This document and the information contained herein are confidential and proprietary to Cambria Company LLC ("Cambria"). They may not be copied, reproduced, modified, made available or disclosed without Cambria's prior written consent. Cambria assumes no responsibility for the design, safety or workmanship of any installation and/or fabrication. © 2024 Cambria