

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 Version 23G-0915

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