



C A M B R I A[®]

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)
2. 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):

<i>Design</i>	<i>Approved Thickness(es)</i>	<i>Omnify Matrix</i>	<i>ThinLight LED Panel</i>	<i>Aspect LED Panel</i>
<i>Baybridge™</i>	1cm, 2cm*	Yes	Yes	Yes
<i>Brittanicca Gold Warm™</i>	1cm	Yes	No	No
<i>Brittanicca Warm™</i>	1cm*	Yes	No	No
<i>New Brighton™</i>	1cm	Yes	No	No
<i>Skara Brae™</i>	1cm	Yes	No	No

**These thicknesses cannot be backlit with ThinLight or Aspect LED panels.*



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

<i>Design</i>	<i>Approved Thickness(es)</i>	<i>Omnify Matrix</i>	<i>ThinLight LED Panel</i>	<i>Aspect LED Panel</i>
<i>Baybridge™</i>	1cm, 2cm*	Yes	Yes	Yes
<i>Brittanicca Gold Warm™</i>	1cm	Yes	No	No
<i>Brittanicca Warm™</i>	1cm*	Yes	No	No
<i>Skara Brae™</i>	1cm	Yes	No	No

**These thicknesses cannot be backlit with ThinLight or Aspect LED panels.*