

Lumenate® Specifications

Lumenate® is a flexible, lightweight, versatile, washable composite material, created and used exclusively by Lumetta, for diffusers in its luminaires.

Brilliant & Versatile

Lumenate® is developed specifically to accommodate Lumetta's unique frame designs. It evenly diffuses light and softens hot spots, can achieve translucent to opaque lighting effects, and is available in matte and gloss finish. It comes in over 100 standard colors and patterns, plus infinite custom options.

Lumenate® is meant to be backlit. Before making your selections, be sure to hold swatches up to a light to see how it transmits it.

Washable

Lumenate® may be cleaned using any commercially available non-abrasive cleaners, including bleach or ammonia-based products, to remove most dirt, grease, dust and bacteria.

Lightweight

The extremely lightweight quality of Lumenate® allows the fabrication of very large, lightweight UL listed luminaires to be possible. For example, our standard 5' diameter drum weighs only 29 pounds.

Durable

The Lumenate® process produces a flexible, durable composite material that is fade-resistant. Lumenate® will not tear, break or shatter, but provides the style of delicate materials like fabric, glass, paper, wood and more.

Custom Options

It is fully customizable to match colors and display custom graphics, including fabric-based imagery. If you don't see exactly what you are looking for, let us know. Almost any color or graphics can be printed and applied to our Lumenate® process. Provide an image or sketch to your rep communicating the effect, color, texture or pattern that you desire, and our artists can help make it a reality.

If you design your own imagery, digital files can be received in the following ways:

1. Vector images (line art) - pdf and or Adobe Illustrator files
2. Raster Images (photo) - Photoshop files, jpegs or tiffs - actual size at 150 dpi

Tested

Lumenate® has been tested by Underwriters Laboratories for the following:

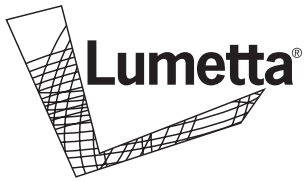
- UL723 Test for Surface Burning Characteristics of Building Materials
- ASTM1929 Standard Test Method for Ignition Properties of Plastics
- UL635 Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics

Lumenate® achieved a flame spread of 34.8 and a smoke density rating of 237.4 making it a class B material that can be substituted for a class A material in a sprinklered application under section 8 of the building code.

Lumenate® (and TransLumenate®) is tested against ASTM E2180 and has performed at the highest level of anti-microbial property.



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Tested Continued

All Lumetta, Inc. light fixtures are UL/CUL listed and labeled. UL Standard 1598 for "Luminaires" places no fire rating restriction on decorative parts of a luminaire. The National Electrical Code defers to UL standards for luminaire construction. Lumetta has gone far beyond these standards in conducting the UL tests and ranks with the best light transmitting polymeric materials available today.

Luminate® colors appear differently in varied lamping temperatures and light sources. While we take every step to ensure consistency in quality, color variations may occur when manufacturing different batches of orders. We reserve the right to change and discontinue any color or pattern at any time without notice.