



## Application solutions from Covestro

Makrolon® Lumen XT - Lights up moments of fun and relaxation



### Application

Hot tub design has a new twist on a great design, exterior lighting.

### Background

Traditional hot tubs have been around for one hundred years. The design team at Jacuzzi wanted to introduce a new line of hot tubs that offered exterior lighting. After investigating traditional lens options of glass and acrylic, they discovered polycarbonate sheet products were a viable option.

### Challenges

Alternative materials such as glass and acrylic presented challenges for the designers. Glass is difficult to fabricate into curved sections and would be prone to breakage. The acrylic sheet failed to meet the UL flammability classification required by Jacuzzi.

### Solution

#### Makrolon® Lumen XT LW7

- Unique light diffusing and light transmission capabilities
- Fabrication friendly
- UL 94 V-2 rating



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