



ATOMIC OBJECT

# TECHNOLOGY SHOWCASE

## 7 Things about Aurora Tiles

### 1 - What is it?

These tiles created by Nanoleaf are used as LED ambient lighting, and they can be customized to feature dozens of colors. The customization allows for different tones and ambiances to be created and tailored to the individual's desires.

### 2 - How does it work?

Piece the triangular panels together into whatever shape you would like to design. They can easily be mounted onto any flat surface using mounting tape. Then you can fully customize the lighting inside the app provided to create scenes or set schedules for the various designs. These can also all be accessed by using the toggle button on the physical control panel.

### 3 - Who's doing it?

Nanoleaf is the company that has created the Aurora Tiles. Ambient LED panels are not a widely known market so nanoleaf is the only company that is pursuing the market for colored LED

tiles. So far, there are no competitors on the commercial setting as of the present since this product could be seen as a niche market device.

#### 4 - Why is it significant?

Ambient lighting is provided by the tiles, and the ambient lighting can help with spurring creativity, providing a relaxing setting, and enhancing a conventional home lifestyle. Many stories have been shared on [their](#) website, and have been used to provide inspiration for creativity, and have allowed one of their developers to help aid against her seasonal affective disorder.

#### 5 - What are the downsides?

Since the tiles created by nanoleaves are the only ones that are currently commercial, the prices of the tiles can be quite expensive. The base packages feature only 9 tiles for \$230, which can limit the designs that can be built if someone is on a budget.

#### 6 - Where is it going?

Nanoleaf is beginning to experiment with attaching the ability to connect them to your smart home devices; such as Google Home, Amazon Echo, or any Smart assistive devices. With that ability beginning to be available to customers, they are beginning to experiment with connecting the ambient settings to interconnect with music choices, and how to allow music that is played to reflect the pattern that is displayed. This would be achieved with a rhythm module that would connect to one of the panels, and it would analyze the genre and react in real time.

#### 7 - What are the implications for higher education?

One of the primary implications come directly from the benefits of including the tiles as a light source in classrooms or in educational buildings. The ambient lighting doesn't create any undue stress onto the eyes, and provide a wide expanse of light. Another implication in the educational setting would be the ability to understand how to incorporate modern technology

into interior design, or how to incorporate the modern aspects of technology into an art setting by analyzing the different patterns that can be created to highlight or negate certain aspects of an environment.

