



MARINA BAY SANDS
SINGAPORE

FACT SHEET

DIGITAL LIGHT CANVAS

Introduction

Located within The Shoppes at Marina Bay Sands, Digital Light Canvas by teamLab is a permanent installation that elevates immersive experiences through a multi-sensory blend of two highly interactive technologies.

Launched in December 2017, Digital Light Canvas is an unprecedented installation created by award-winning international art collective teamLab, combining proprietary 4D vision display technology with an interactive LED floor. The installation centres a majestic 14-metre-tall light sculpture suspended from the ceiling, over a dynamic 15-metre-diameter LED floor that responds dynamically to visitors' movement. It seeks to awaken a sense of wonder by seamlessly weaving digital expression through the convergence of light and nature.

Throughout the day, the ticketed attraction at The Shoppes at Marina Bay Sands features three distinct show modes, each accompanied by its unique soundtrack. Visitors can also enhance their experience by activating a series of special effects directly from their personal mobile devices.

The Three Show Modes:

Graffiti Nature

This large-scale installation transforms a digital ecosystem into a vibrant menagerie of animals that roam freely alongside blooming flowers as they are brought to life from drawings made by visitors. Projected onto a dynamic LED floor through innovative digital technology, captivating visitors of all ages as they interact with the animated flora and fauna moving freely around their feet.

Each of the flowers, reptiles, insects, and amphibians depicted in the installation are endangered species from the Red List of the International Union for Conservation of Nature. In addition to the Siamese Crocodile, visitors can draw and learn about the Cave Racer Snake, Southern Torrent Frog, Borneo Birdwing Butterfly and the Calypso Orchid among many others.

Within this evolving ecosystem, creatures survive, multiply, or disappear based on interactions, reflecting the natural cycle of life. In that sense, the artwork not only captivates audiences but also highlights the interconnectedness of living things and the delicate balance of biodiversity.



FACT SHEET

Sketch Factory & Papercraft

Drawings created in *Graffiti Nature* can be transformed into uniquely personal memorabilia for visitors to take home with them at Sketch Factory. These souvenirs include a tin badge, t-shirt, and tote bag. Orders can be placed directly at the order terminal in the Sketch Factory, and items will be fabricated right on the spot.

Introduced to shape imagination in a fun and hands-on way, *Papercraft* is a new activity that invites visitors to reimagine their drawings as three-dimensional paper figure that they can fold, build and display – offering a fun, hands-on way to bring imagination to life.

Strokes of Life

This artistic form of storytelling draws inspiration from traditional Japanese calligraphy, reimagined in a contemporary digital form where birds, butterflies, and flowers depict the vibrancy of life. This four-minute show, presented every 30 minutes from the start of the hour, begins as graceful calligraphy strokes of calligraphy on the LED floor when visitors step onto it. These bold, dynamic brushstrokes then spring to life, extending into the illuminated cylinder of the light sculpture.

An extension of *Strokes of Life* experience allows visitors to express personal wishes through three-dimensional calligraphy. Ranging from anniversary and birthday greetings to wedding proposals. Using a one-time, paid serial code, visitors can input custom messages via their smartphones, with the option to include a name. These messages are then rendered in elegant calligraphy across the LED floor, culminating in a dazzling burst of fireworks within the light sculpture.

Fast Facts on Digital Light Canvas

- Digital Light Canvas by teamLab is a multi-sensory experience that enlivens the retail space while making technology-driven art accessible to the public.
- International art collective teamLab, the creators behind ArtScience Museum's permanent exhibition teamLab *Future World*, was commissioned by The Shoppes at Marina Bay Sands to develop this unique digital installation.

The Technology

Digital Light Canvas by teamLab combines 4D vision display technology and an LED floor.

- The installation utilizes proprietary 3D rendering software, and LED strips and panels.
- It measures a total height of 20 metres in its entirety, including a 14-metre tall light sculpture suspended six metres above ground.



MARINA BAY SANDS
SINGAPORE

FACT SHEET

- The light sculpture measures seven metres in diameter, while the LED floor spans 15 metres in diameter.
- The light sculpture consists of over 401,000 full-coloured LEDs, strung within 608 tubes hanging within the cylindrical sculpture.
- These LEDs are energy efficient, yet able to produce an output three times brighter than normal LEDs, to enhance visibility during the day.
- The LED floor consists of more than 7.7 million individually controlled LEDs. Graphics on the floor are rendered in real time in reaction to visitors' behavior and movement.
- Visitors located within the vicinity are able to cast elements such as fireworks and festive ornaments on the installation via their own mobile devices simply by scanning a QR code.

Visitor Information

- Digital Light Canvas by teamLab is open from 11am to 9pm daily, with last ticket sales at 8pm.
- General admission to the attraction is S\$8.55 for Sands LifeSyle members (complimentary for children 2 years old and below), while non-Sands LifeStyle members can purchase their tickets for S\$12.
- The price of a unique serial code required to customise a message on the Digital Light Canvas by teamLab is S\$50. The code is valid for 14 days upon registration at the ticketing counter.
- For more information, visit MarinaBaySands.com/DigitalLightCanvas.