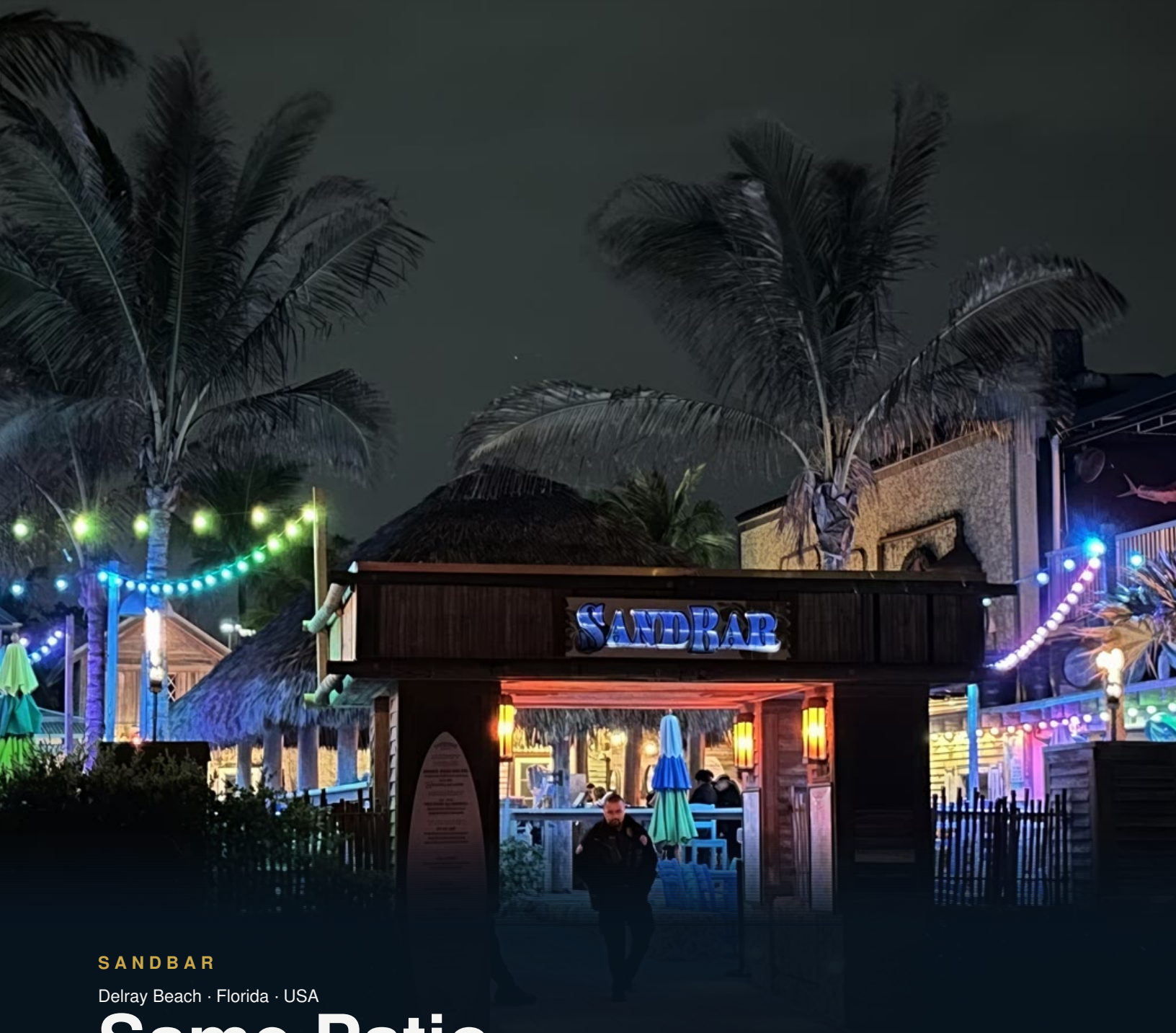




**SANDBAR**

Delray Beach · Florida · USA

# Same Patio. Every Mood.

*An RGBW Festoon Canopy on Florida's Atlantic Coast*

# A patio that breathes with the room

On A1A, Sandbar — owned and operated by Opal Hotels — is a long-standing Delray Beach hospitality landmark. Thatched palapas, weathered cypress, blue chairs, sand underfoot. The daylight does its own work.

Before the upgrade, the outdoor system ran on orange-red bulbs to meet Florida's turtle-friendly coastal lighting codes — one look, all year long. Management wanted a canopy capable of meeting those codes while creating lighting effects aligned with the vibe of each evening.

The new turnkey installation pairs the **MaxiRGBW Large Globe** festoon canopy with the **LT-1BOX** field controller and **Lumentender** cloud service. Full RGBW pixel control across the entire outdoor footprint — main patio, entrance archway, upper balcony, A1A-facing perimeter — recalled from any web-connected device in minutes. Special events, corporate activations, dance-floor energy, dinner service: same hardware, different scene.

*“The same outdoor footprint now supports four or five different operating modes across an evening — without staff intervention and without modifying the room. For our F&B operations, that’s a different way of running an outdoor venue.”*

— Bob McElhenny, Regional Food & Beverage Director, Opal Hotels

## INFORMATION

|                      |                                                                      |
|----------------------|----------------------------------------------------------------------|
| <b>Client</b>        | Sandbar — owned and operated by Opal Hotels                          |
| <b>Location</b>      | 40 S Ocean Boulevard · Delray Beach, FL · USA                        |
| <b>Installation</b>  | Outdoor hospitality canopy — patio, entrance, balcony, A1A perimeter |
| <b>System</b>        | MaxiRGBW Large Globe festoon canopy + LT-1BOX + Lumentender Cloud    |
| <b>Products Used</b> | MaxiRGBW Large Globe · multi-string installation · DMX RGBW          |
| <b>Control</b>       | LT-1BOX field controller · Lumentender Cloud · scene library         |
| <b>Compliance</b>    | Turtle-friendly CCT during Florida sea turtle nesting season         |



A1A street view — Sandbar in full red wash, the turtle-compliant scene used during nesting season.

# Design

The canopy is built as a single continuous RGBW field across the main patio and the upper balcony, with auxiliary runs wrapping the palms and the entrance archway. Two-core MaxiLINK cable carries 48 VAC power and DMX data in one run — no parallel control wiring, no additional points of failure on a coastal install.

The system was specified for marine environments from day one — not adapted to it later. IP68 and IK07-rated, vibration-tested to ANSI C136.31, operating range  $-40^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$ . Fifty yards from the Atlantic, every component has to live there year-round.

Mounting is simplified by the single-cable topology: fewer connectors, fewer feed points, reduced infrastructure across the entire perimeter. Scenes are stored in the controller and recalled by the venue without re-rigging — sunset, dinner, live music, after-hours.

**Turtle-friendly flexibility.** Alongside full RGBW color, the system supports precise control of white-light color temperature. The canopy can shift to a turtle-friendly spectrum during the Florida sea turtle nesting season — compliant with local coastal wildlife requirements, with no loss of guest experience on nights outside the regulated window.

## LUMINOUS SOURCE

RGBW LED engine, individually addressable

## POWER

48 VAC · Data over Power

## ENVIRONMENT

IP68 · IK07 · marine coastal

## WATTS / GLOBE

2.35 W at full RGBW

## WHITE-LIGHT CCT

Tunable · turtle-friendly compliant

## CONTROL

DMX · scene library programming

## CABLE / RUN

Up to 100 globes per strand · 100 m max

## CERTIFICATIONS

UL · UKCA · CE · ANSI C136.31



*Aerial top-down — festoon ribbons around the patio perimeter, pixel addressing across the entire canopy.*

# Same patio. Every mood.

What the MaxiRGBW Large Globe contributes here is **range**. The same physical canopy plays as a fully saturated green for branded events, a cool blue for after-hours, a deep red for holiday and statement nights, and a warm white for casual dinner — through scene-library recall, on the same installed hardware.

The result is a single venue that supports seasonal events, branded activations, live music programming and standard dining service without physical reconfiguration. The installation extends evening atmosphere, strengthens nighttime visual presence and increases visibility from A1A.

*One installation. Multiple operational modes. No re-rigging between them.*



*Same patio, same festoon canopy — fully saturated green for branded events.*



*Same patio, same festoon canopy — deep blue for after-hours seating.*

## PROJECT PARTNERS

|                       |                                                         |
|-----------------------|---------------------------------------------------------|
| Client                | Sandbar — owned and operated by Opal Hotels             |
| Lighting Supply       | MaxiLED Lighting — MaxiRGBW Large Globe festoon system  |
| Field Controller      | LT-1BOX                                                 |
| Cloud Control Service | Lumentender Cloud — scene programming and remote recall |
| Photography           | In-house / project archive                              |

## TURNKEY SYSTEM · PRODUCT FOCUS

At the heart of the canopy: a single product specified across hundreds of nodes. Color fidelity, pixel-level addressability, marine-grade ingress protection, full operating envelope across a Florida coastal year.

### MaxiRGBW Large Globe

LARGE GLOBE · DMX · DATA OVER POWER

MaxiRGBW Large Globe is MaxiLED's full-spectrum festoon globe — the most flexible product in the festoon range for projects that demand precise color control and dynamic programming. Operating on 48 VAC with data and power combined over a single two-core cable, it removes the complexity of separate control wiring while supporting continuous runs of up to 100 meters per power source.

The globe is individually addressable via DMX, making it suited to large-scale architectural canopies, streetscapes and hospitality installations where color accuracy, movement, and synchronized programming are required. IP68 rating and IK07 impact resistance make it equally at home in permanent outdoor installations and temporary event rigs. Vibration-tested to ANSI C136.31; operating range  $-40^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$ .

|                       |                                                |
|-----------------------|------------------------------------------------|
| <b>POWER INPUT</b>    | 48 VAC · Data over Power                       |
| <b>WATTS / GLOBE</b>  | 2.35 W                                         |
| <b>LED CURRENT</b>    | 100 mA                                         |
| <b>RUN LENGTH</b>     | 100 m / 330 ft                                 |
| <b>MAX GLOBES/RUN</b> | 100                                            |
| <b>GLOBE DIAMETER</b> | 64 mm                                          |
| <b>LENS OPTIONS</b>   | Clear · Frosted                                |
| <b>OUTPUT (CLEAR)</b> | 80 lm full RGBW                                |
| <b>OPERATING TEMP</b> | $-40^{\circ}\text{C}$ to $+50^{\circ}\text{C}$ |
| <b>IP / IMPACT</b>    | IP68 · IK07                                    |
| <b>CERTIFICATIONS</b> | UL · UKCA · CE                                 |



Sandbar from A1A — palms wrapped in MaxiRGBW festoon strings, full canopy multicolor scene, brand sign visible from the street.

*MaxiRGBW Large Globe — Light as a design tool.*