

# The Turning Torso

Preliminary Lighting Proposal

By - Max Okst

Environmental Lighting | Fall 23

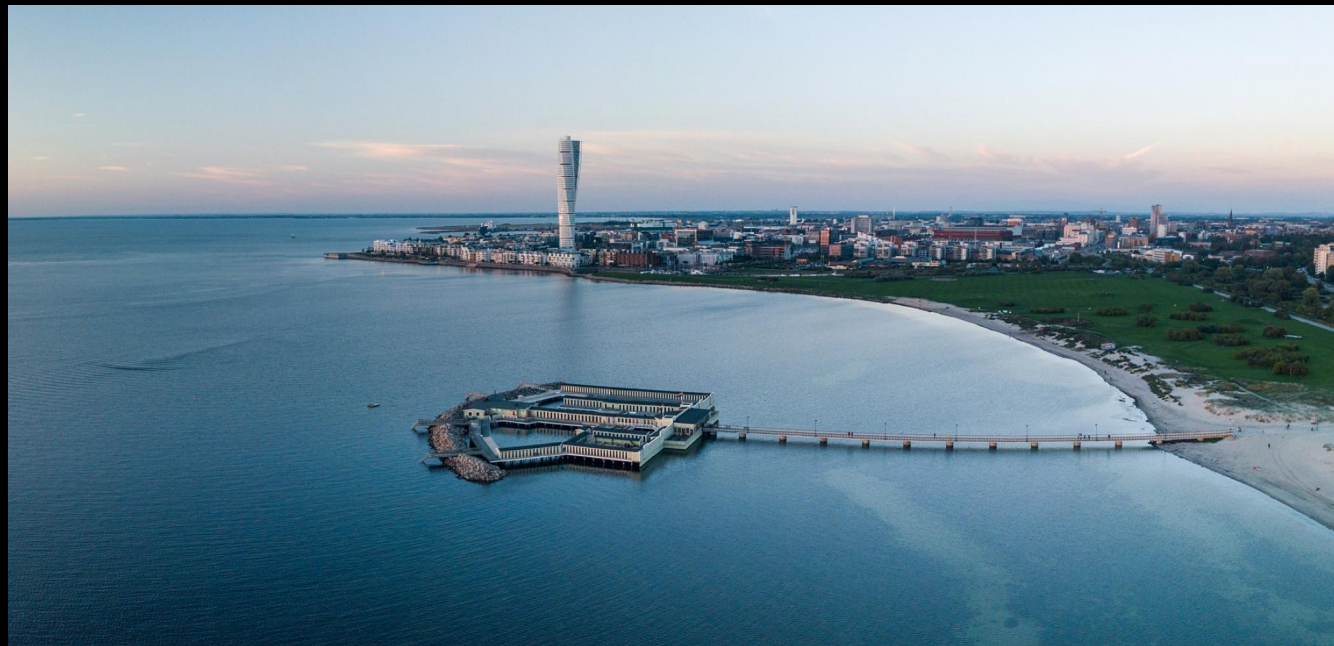


# Background

Built in 2005

- The Turning Torso is a neo-futuristic residential skyscraper built in Malmö, Sweden.
- It was the tallest building in the Nordic region until September 2022.
- It was designed by Spanish architect, structural engineer, sculptor and painter Santiago Calatrava. This project was his first skyscraper.
- It officially opened in August 2005. It stretches a height of 620 ft with 54 stories and 147 apartments.
- Turning Torso is based on *Twisting Torso*, a white marble sculpture by Calatrava that was based on the form of a twisting human being.





# Surrounding Area

## Malmö, Sweden

- Malmö is the third largest city in Sweden, with a population of 357,500 in 2022.
- It has undergone a major transformation since 2000, through new architectural developments that supported biotech and IT companies.
- Over time, Malmö's demographics have changed and by the turn of the 2020, almost half the city's population had come from a different country.
- It is also home to Malmö FF, the Swedish football club with the most national championships and the only Nordic club to have reached the European Cup final.





## Amenities

- Floor 49 is home to the public observation deck while floors 50–52 contain a private club, meeting and event rooms, a reception area, and the venue's restaurant.
- Floor 53 and 54 in the Turning Torso are conference floors booked and managed by Sky High Meetings.
- Since 2009 the owner, HSB, has decided to let the public visit these floors but only on special scheduled days, and pre-booking is required.



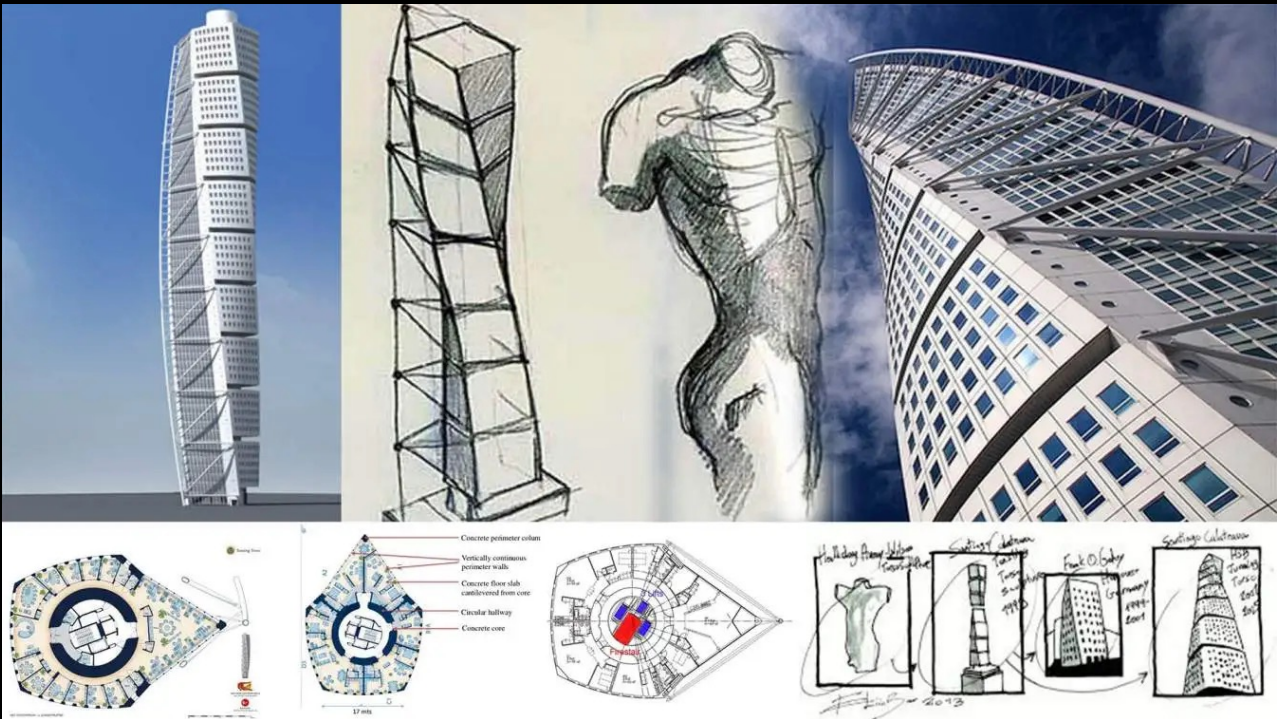


# Lighting Goals

- The building is rooted right on the city's coastline and is surrounded by seaside amenities. The Dockan area, which was previously used for ship building, is now a marina for pleasure craft and is surrounded by restaurants and cafes. The lighting should reflect the areas focus on water.

- My goal for this building is to highlight the verticality of the building in relation to the rest of the city and create a focal point for the city's coastline, like a lighthouse.

- Lastly, the lighting should enhance the natural twisting/spinal shapes created by Santiago Calatrava, the architect.





## Costal Beacon

- My first goal for this building is to create a focal point for the city's coastline and unify the community around it.
- This city's populous is from all over the world, and I want to provide a look that both enhances the building's natural curves and provides a beacon for the city's inhabitants to evoke a sense of community.
- This building is situated right on the coast and is a beacon that differentiates the city of Malmö from other cities along the coastline.





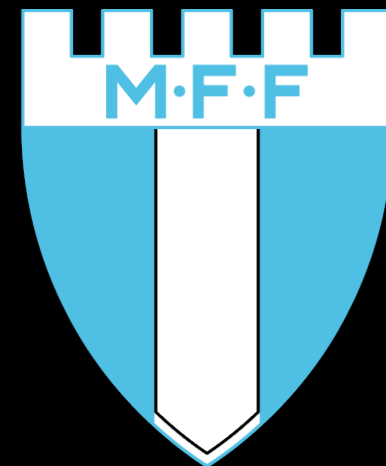
## Waves

- This scene evokes the waves of the Öresund sound, which flows between states of glassy calm waters to rough and dangerous waves.
- Depending on the wind speed, the flow and motion of the colors can fluxuate in speed and intensity as the pattern flows downwards.
- This scene is a direct reflection of the natural amenity that the community relies on.

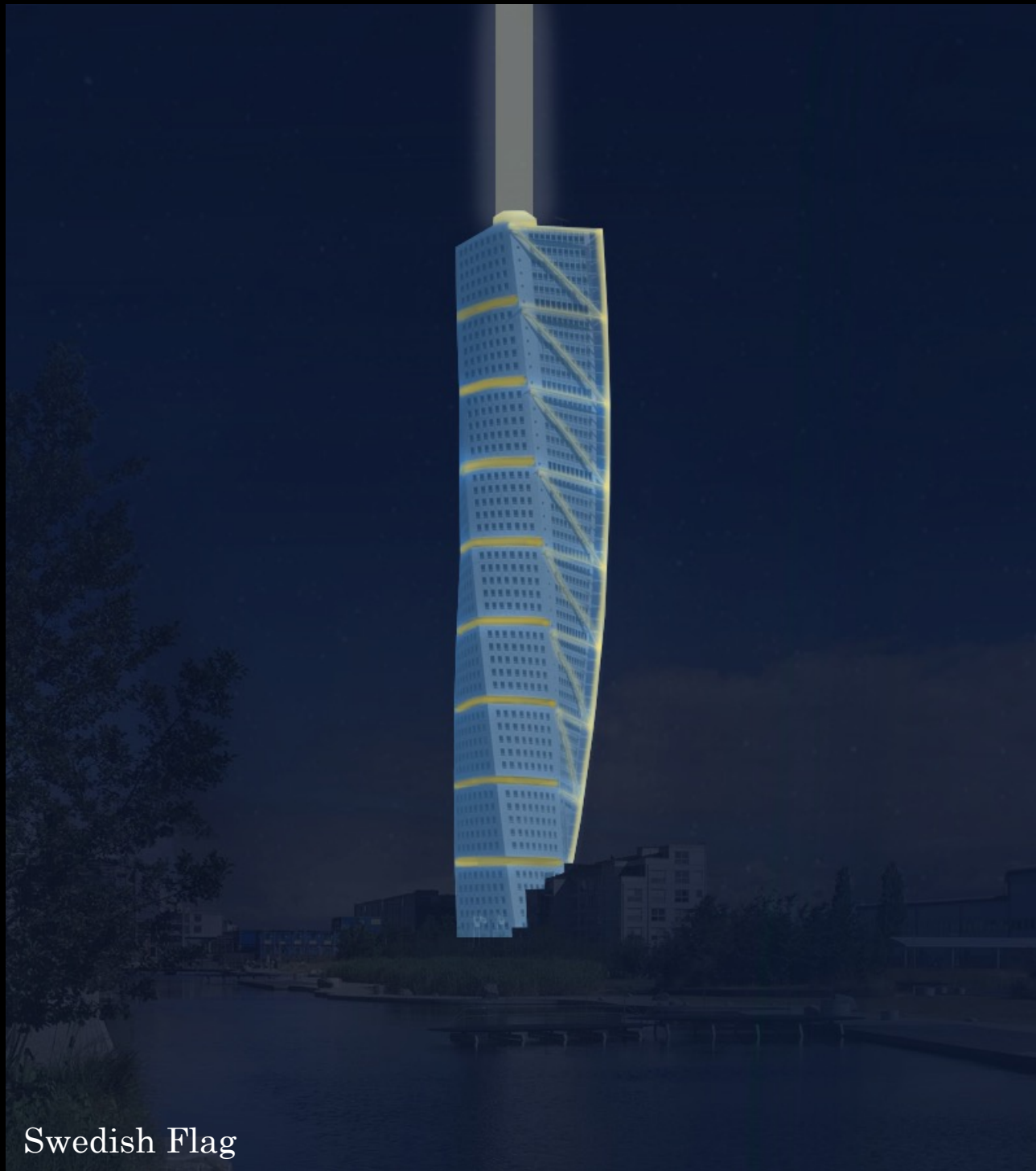


# Malmö FF

- My goal for this look it to reflect the local soccer club's team colors.
- This community is deeply proud of their soccer team, being the only Swedish team to reach the European Cup Finals.
- These colors are rooted deeply in the community, and it is only right for the largest building in the city to reflect that pride.







## Swedish Flag

- There are many designated Flag Flying Days in Sweden, which include the following dates. This look is meant to evoke the colors and lines of the national flag and stoke national pride in the people of Malmö.

### Flag Dates:

New Years Day (January 1)

Easter Sunday (First Sunday after May 21)

May Day (May 1)

Veterans Day (May 29)

National Day of Sweden (June 6)

Midsummer Day (Saturday btw June 20-26)

Election Day (Second Sunday of September)

Christmas Day (December 25)





Color Kinetics  
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High Punch  
Powercore  
RGBW

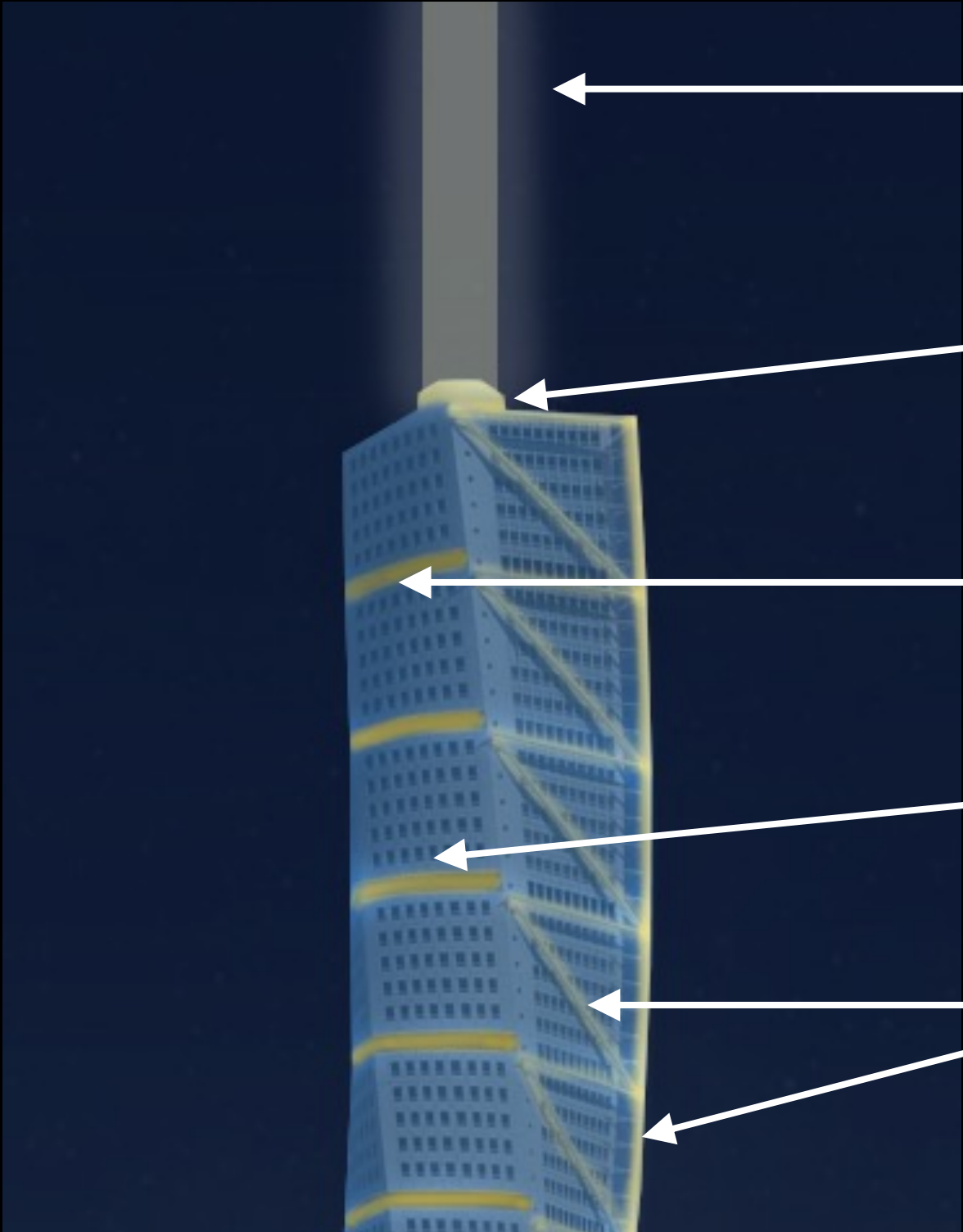


Space Cannon -  
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Green LED  
Lighting  
Solutions -  
Vivid S 270





Space Cannon -  
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Color Kinetics ReachElite High  
Punch Powercore RGBW



Color Kinetics ColorGraz  
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Color Kinetics ReachElite High  
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Turning Torso | Fixture Placement