

Designers Lighting Forum

“La Plancha” Metropolitan Park

Modern Public Spaces
Merida, Mexico.

Elias Cisneros

March 18 2025



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Questions related to specific materials, methods, and services will be addressed at the conclusion of this presentation.



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Learning Objectives

At the end of this course, participants will be able to:

1. The relevance of integrating new technologies to public space that allow people to identify with their cities, love them and take care of them more.
2. Learn how to integrate industrial design to their lighting proposals.
3. Learn how to decarbonize the environment through the use of new sustainable products.
4. You will learn the added value of working in interdisciplinary teams (engineers, architects, archaeologists, sociologists, landscape designers, etc.) in public space.



Historical Background in the Yucatan Peninsula

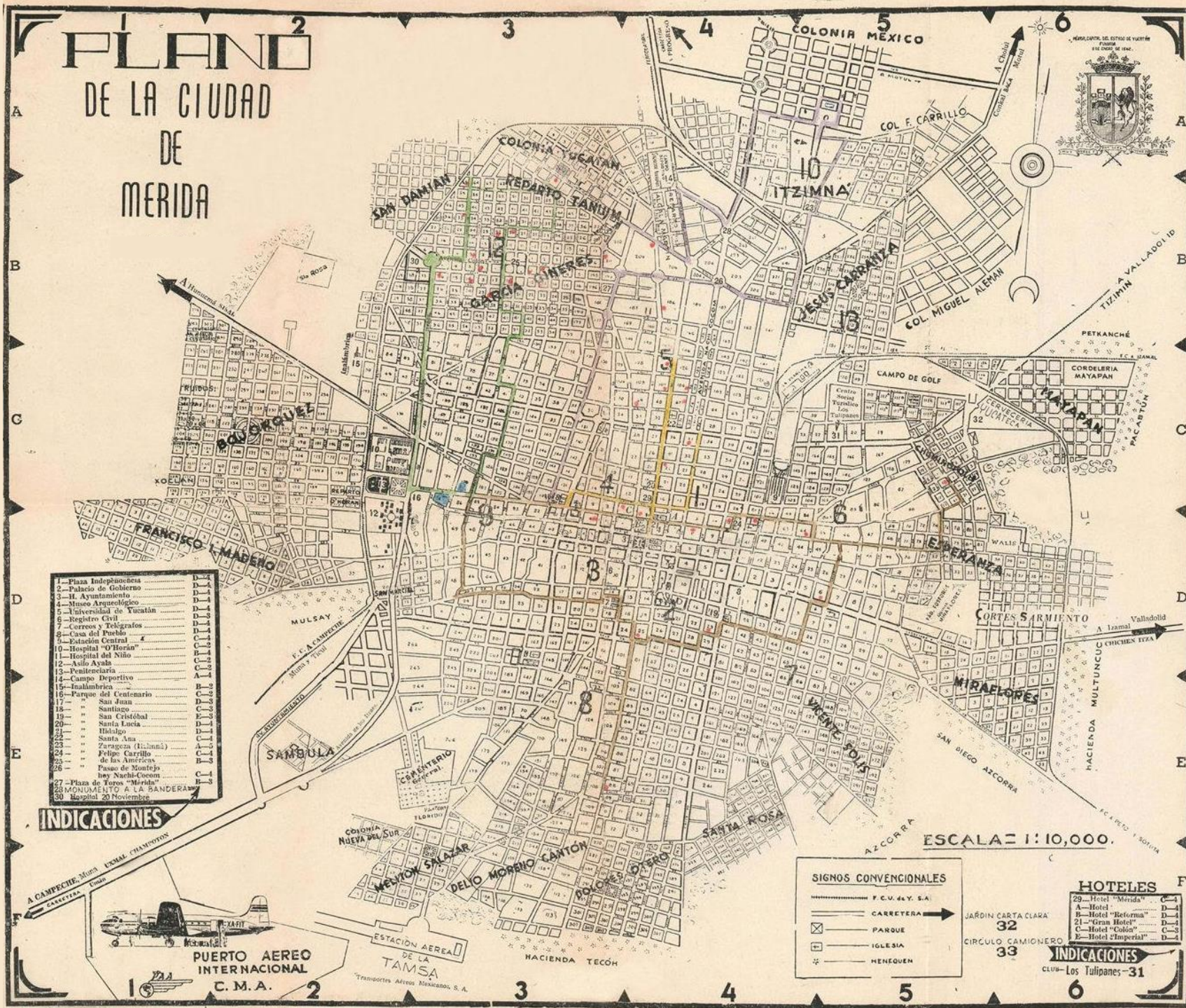


A satellite map of North America, showing the United States and Mexico. The landmasses are depicted with naturalistic colors: green for forested areas, brown and tan for arid and mountainous regions, and blue for water bodies. The Great Lakes are visible in the upper right, and the Gulf of Mexico is in the lower center. The Caribbean Sea and parts of Central America are visible in the lower right. The labels 'Estados Unidos' and 'México' are placed over their respective countries in white text.

Estados Unidos

México

PLANO DE LA CIUDAD DE MERIDA



1943 Map.



1943 Photograph.

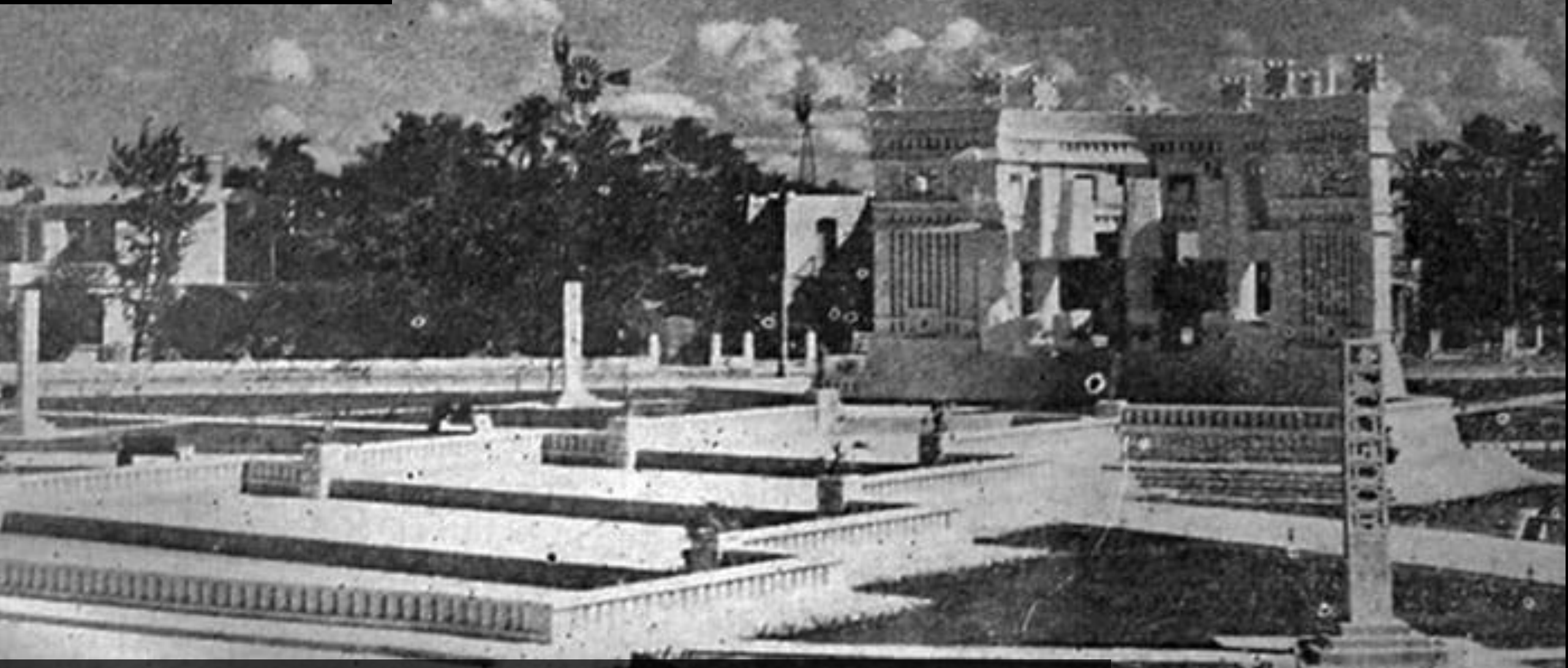


1943 Photograph

131
ANEXO DEL PARQUE DE

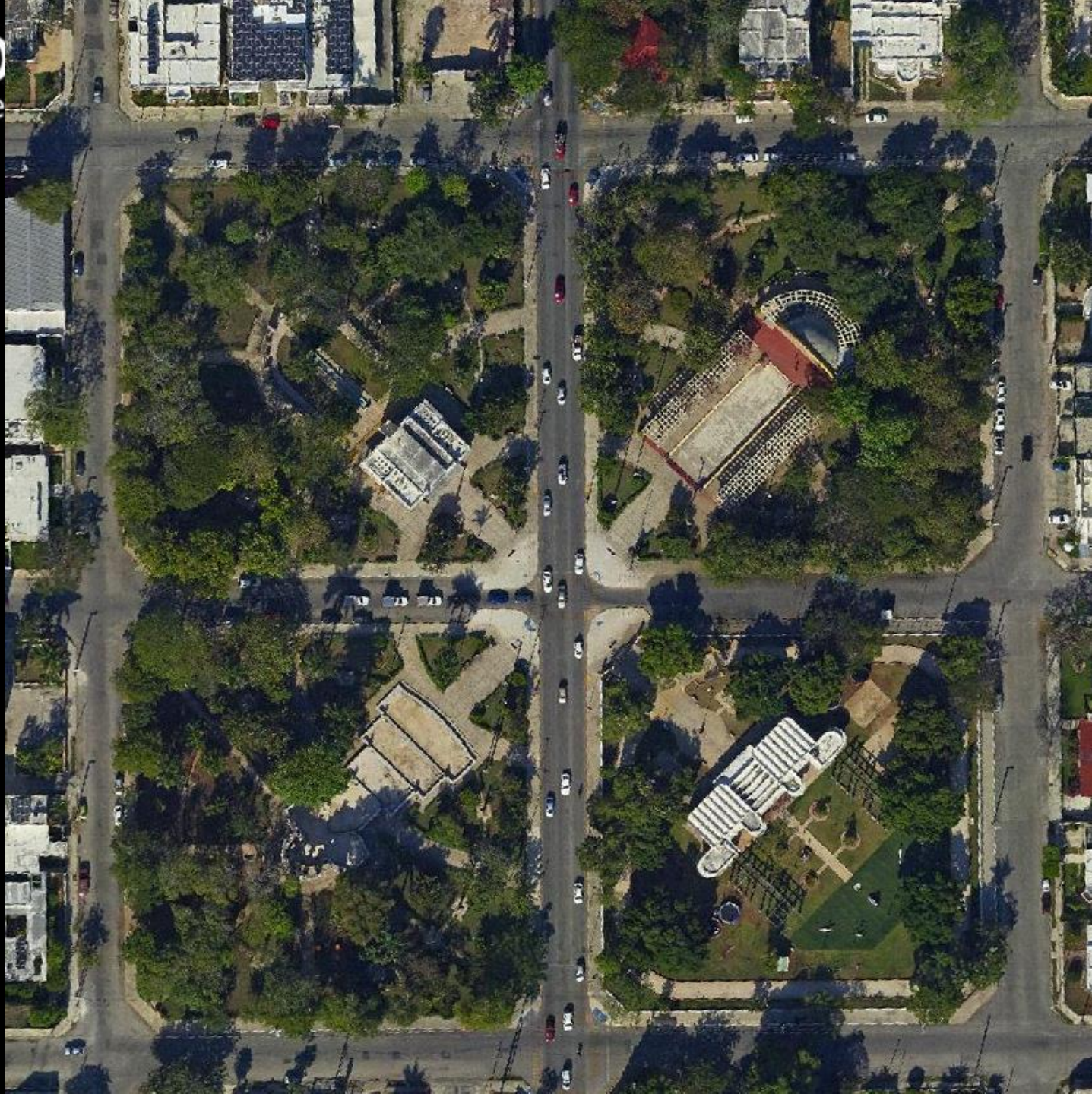


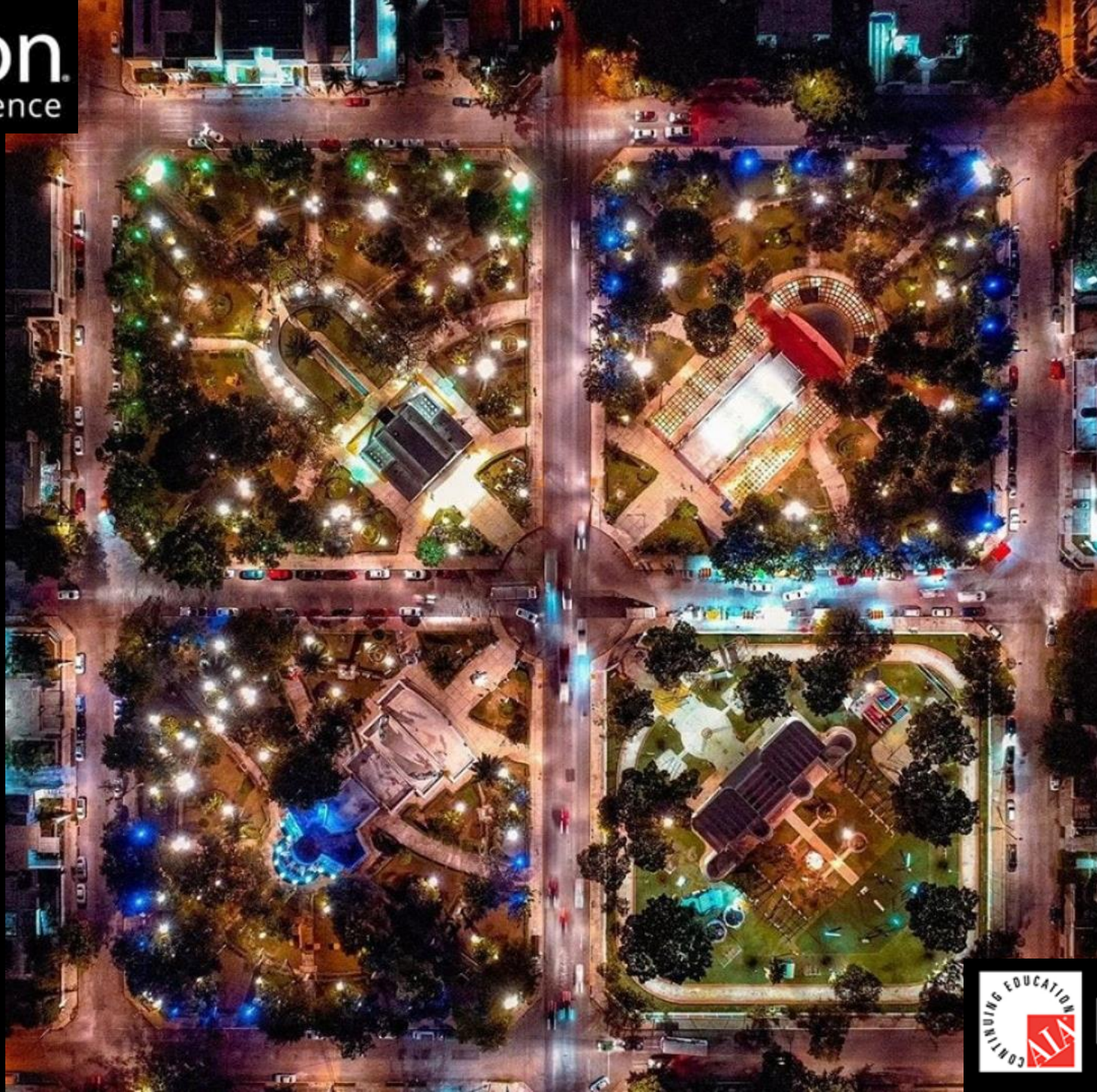
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The Yucatecan society met convened by Governor Ernesto Novelo and created the “Parque de las Americas” in the Garcia Gineres neighborhood (1943) designed by the architects Manuel and Max Amabilis.









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1943

The **“Park of the Americas”**
was constructed.
Area: 4 hectares.

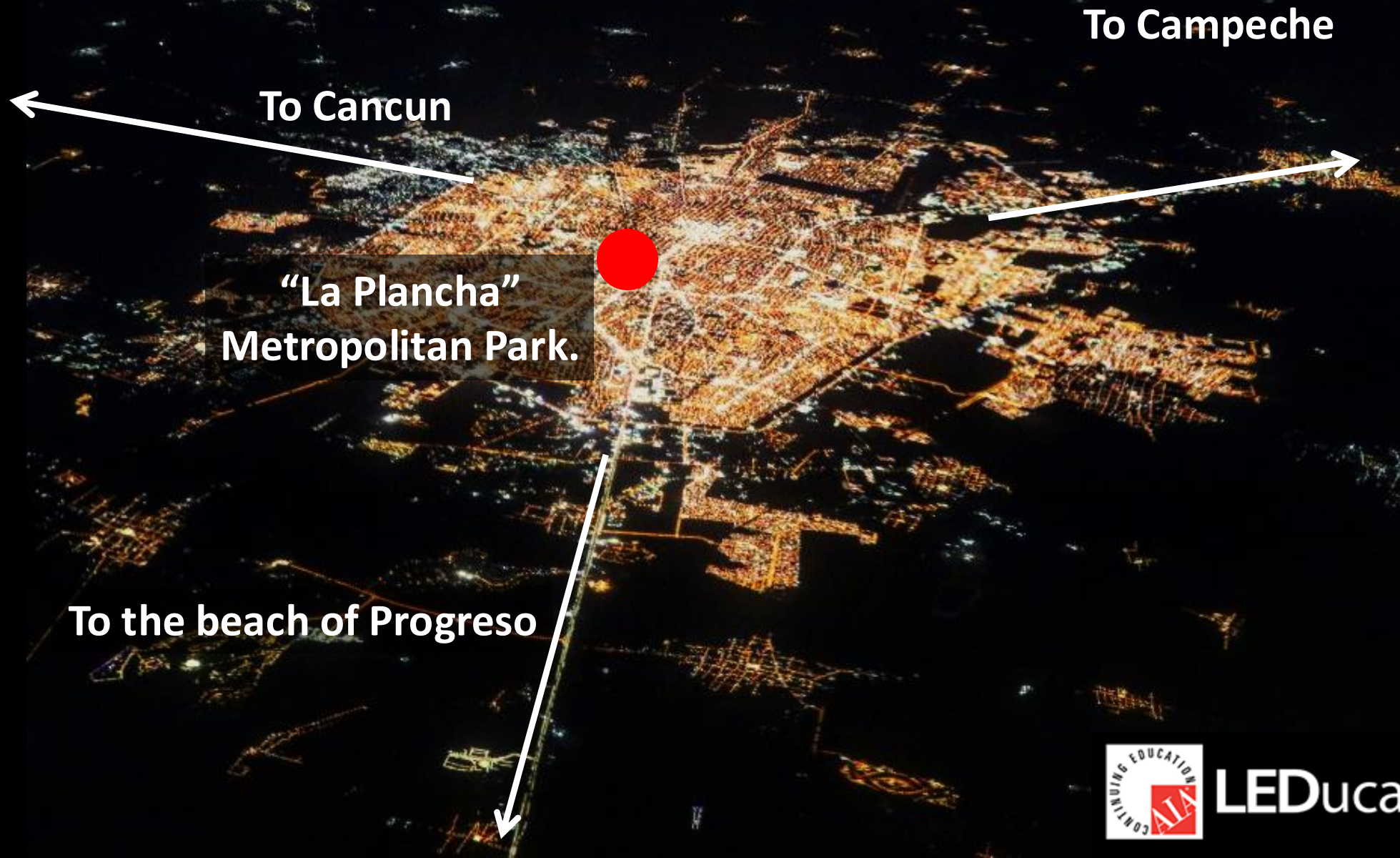
(It took 78 years)

2023

In 2023 the Yucatecan society organized
again and created another emblematic park.

“La Plancha” Metropolitan Park.
area: 22 hectares.





To Cancun

To Campeche

“La Plancha”
Metropolitan Park.

To the beach of Progreso



“La Plancha”
Metropolitan
Park.





The location of the Metropolitan Park “La Plancha” is where the train station was located during the years 1920-1974.

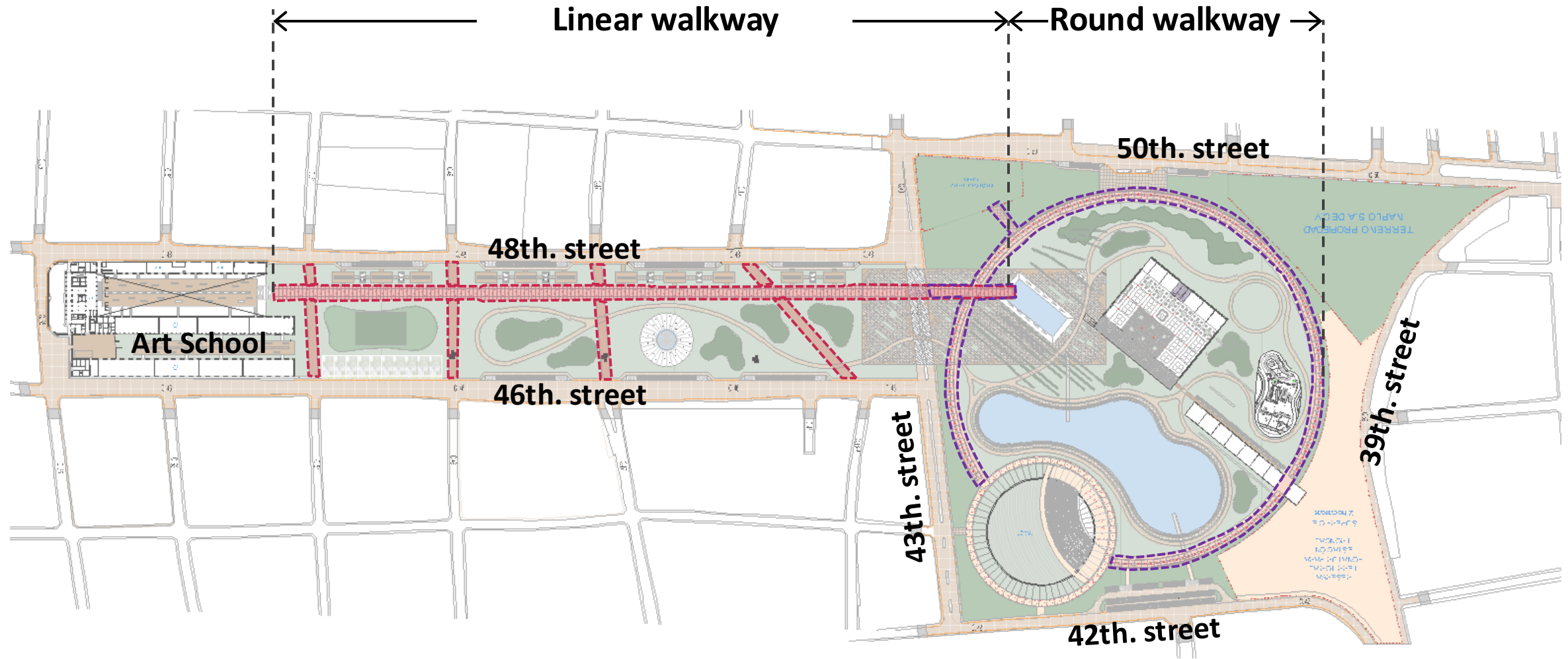






Architectural lighting design concept

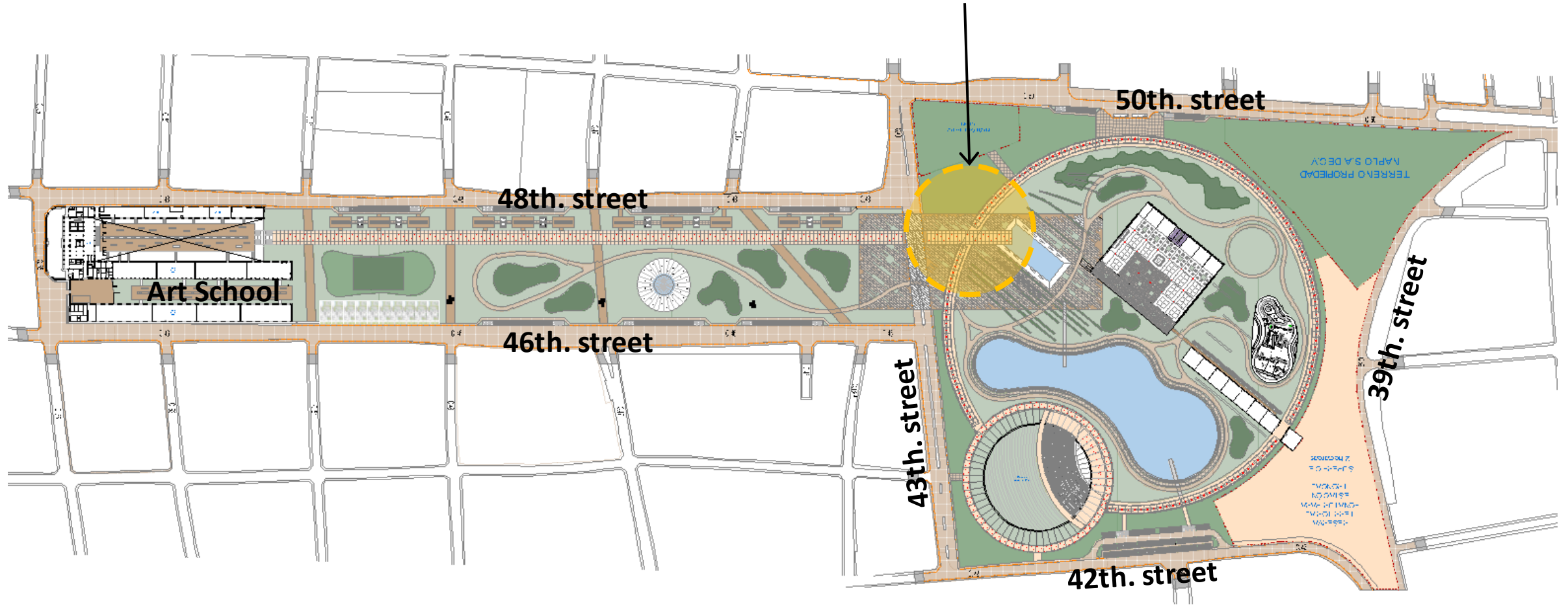




General location

Joint of axis

Linear walkway + Circular walkway



General location

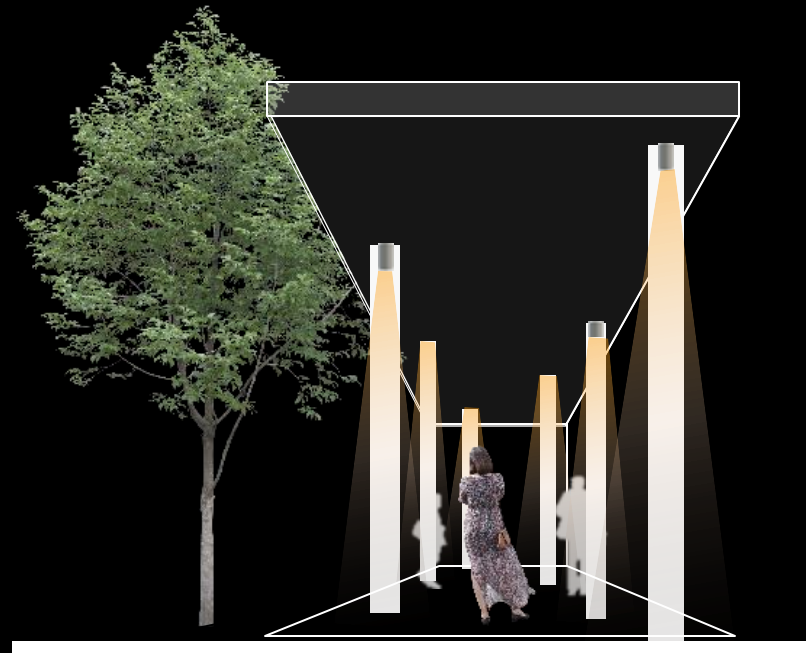


Lighting schemes



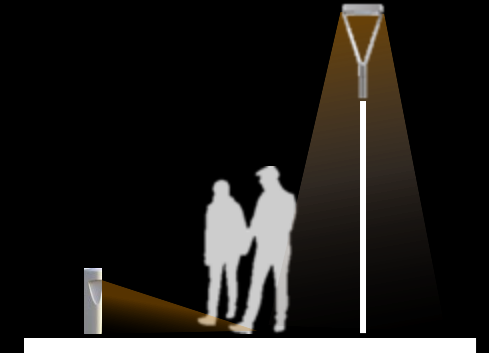
Perimeter

1



Main Axes
Linear walker

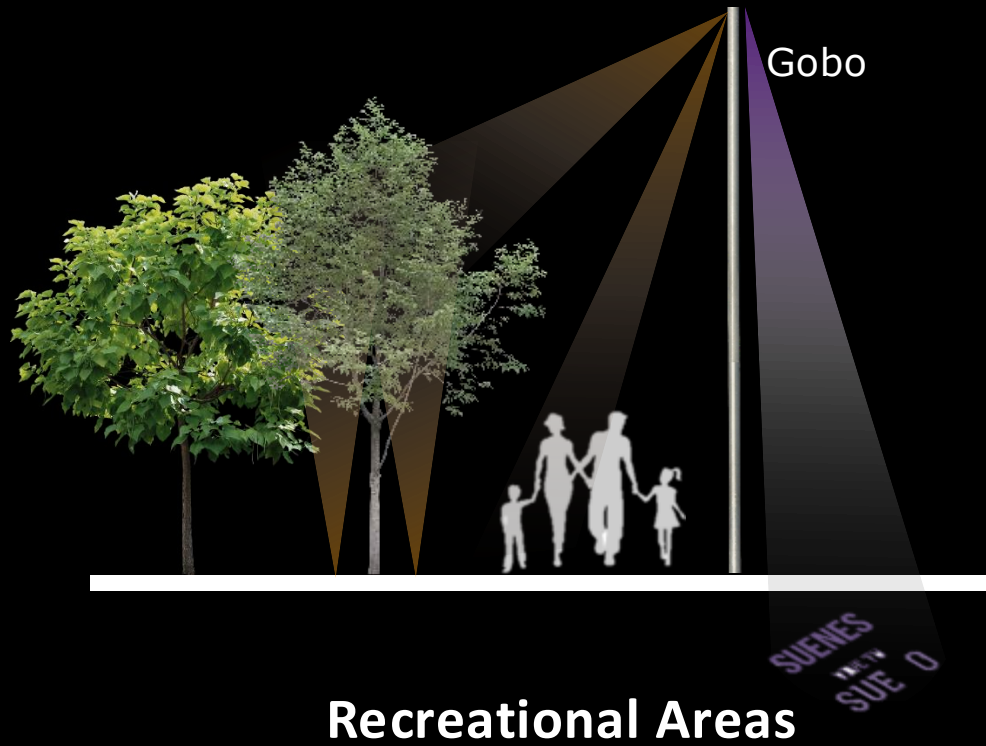
2



Trails

3

Lighting schemes



4



5

Linear walkway







Josef Albers
(1888 - 1976)

Color is an important sensation, the result of several physical phenomena, occurring simultaneously.

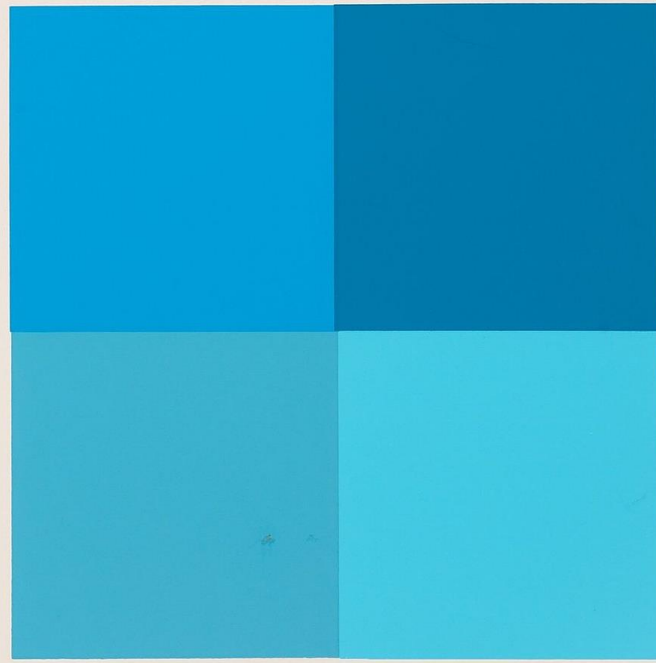
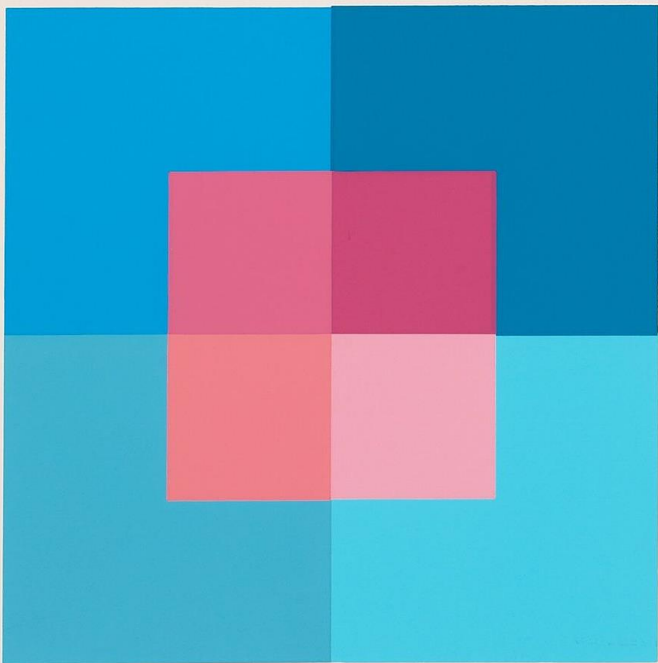
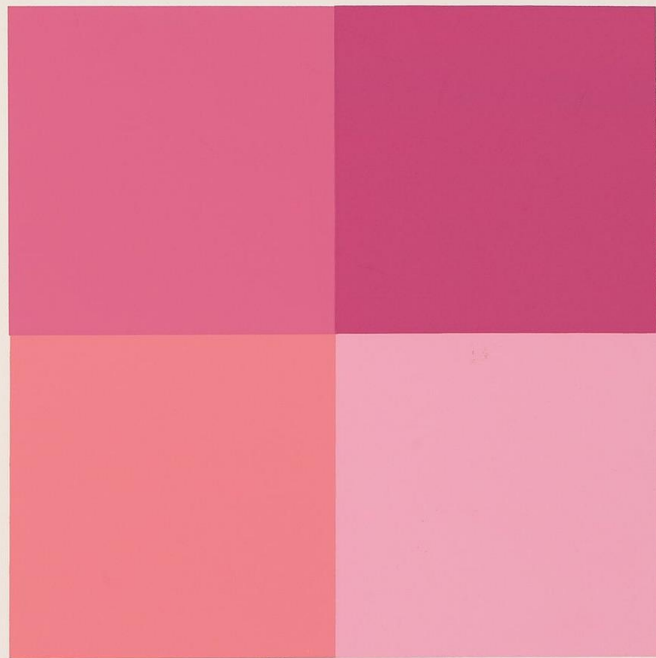
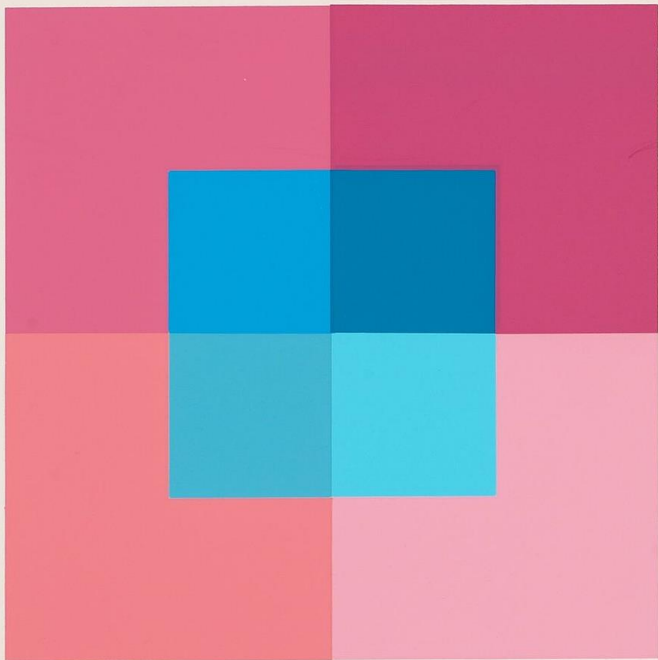


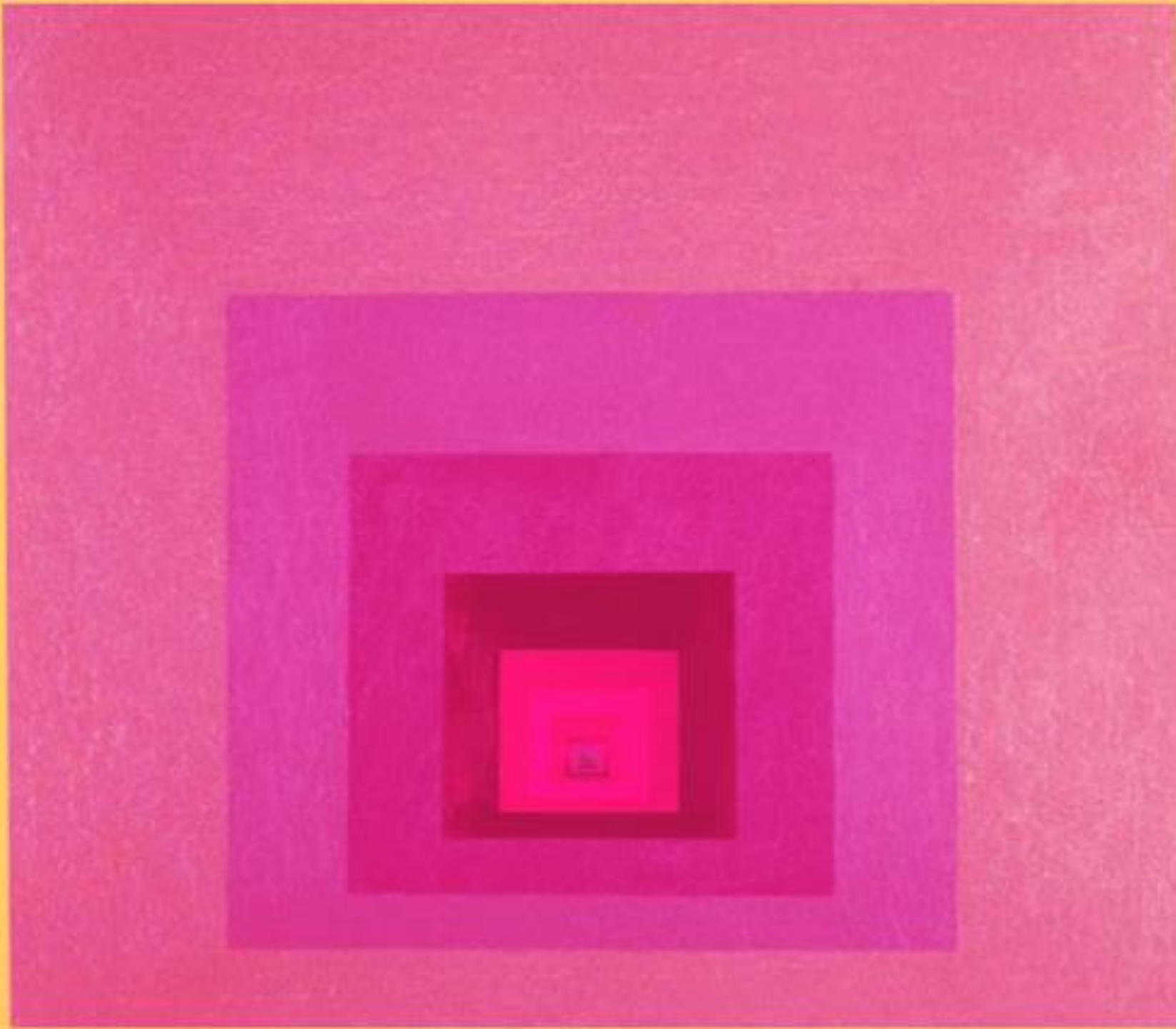




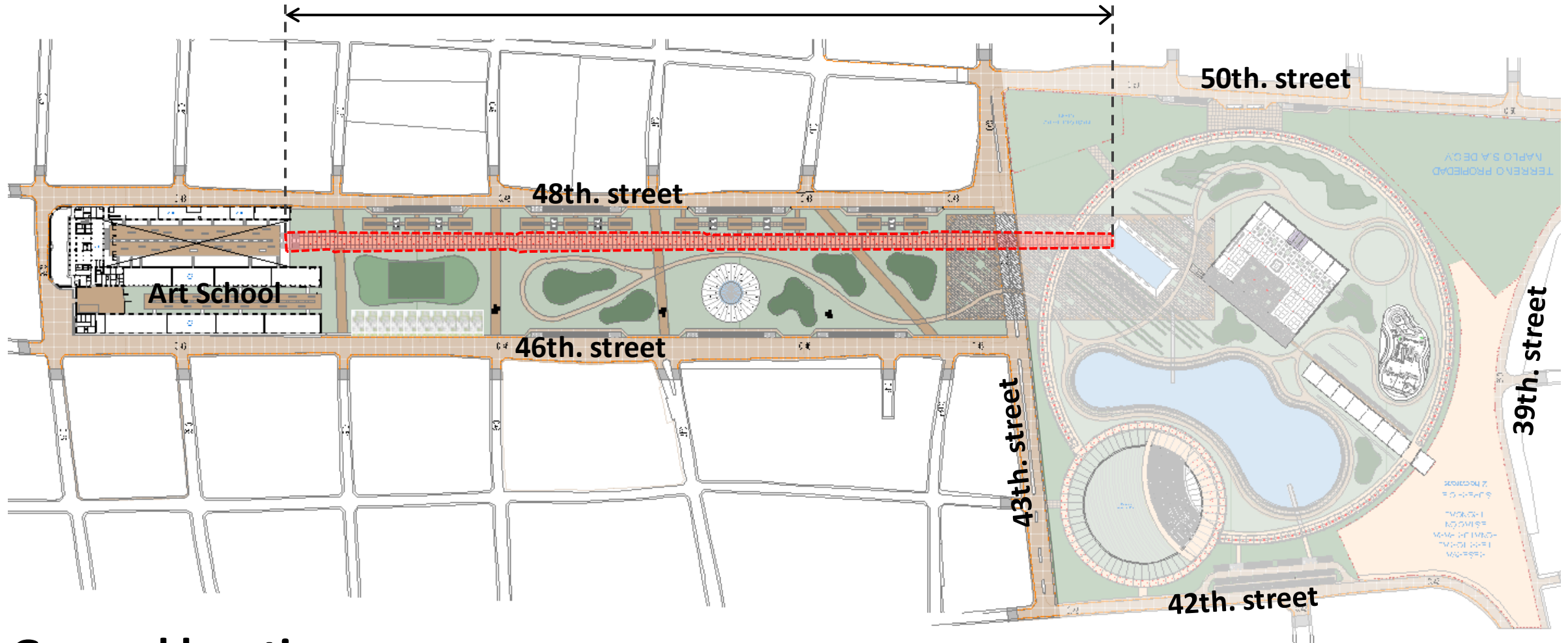








Linear walkway = Direct lighting



General location





L12

Sistema: Luminario para sobreponer en plafón, cuerpo cilíndrico de 10.5cm de diámetro y 18.5cm de altura, elaborado en aluminio acabado color negro texturizado. Uso exterior IP66.

Fuente de luz: LED, temperatura de color de 3000K, óptica 11°, potencia de 11 Watts.

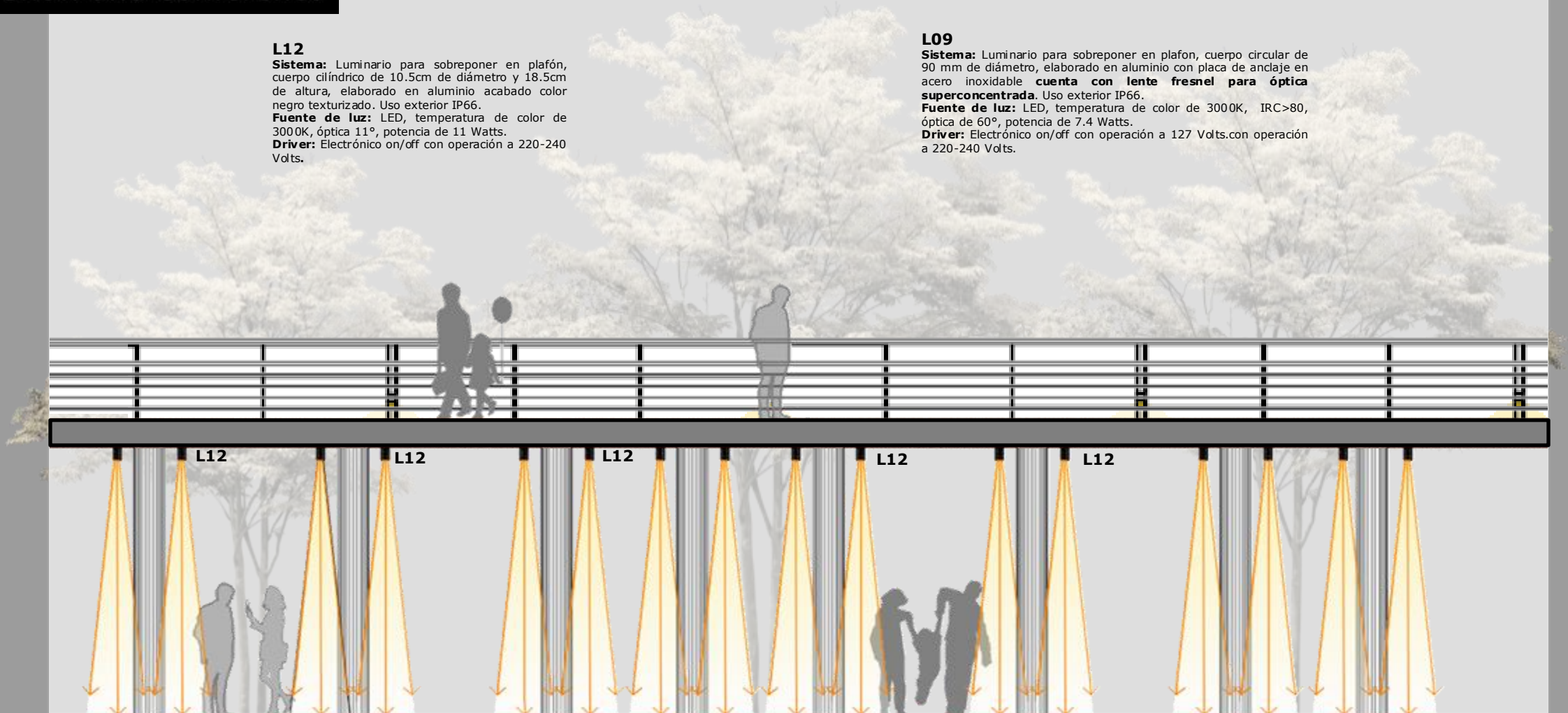
Driver: Electrónico on/off con operación a 220-240 Volts.

L09

Sistema: Luminario para sobreponer en plafón, cuerpo circular de 90 mm de diámetro, elaborado en aluminio con placa de anclaje en acero inoxidable **cuenta con lente fresnel para óptica superconcentrada.** Uso exterior IP66.

Fuente de luz: LED, temperatura de color de 3000K, IRC>80, óptica de 60°, potencia de 7.4 Watts.

Driver: Electrónico on/off con operación a 127 Volts.con operación a 220-240 Volts.



Architectural section of the linear walkway





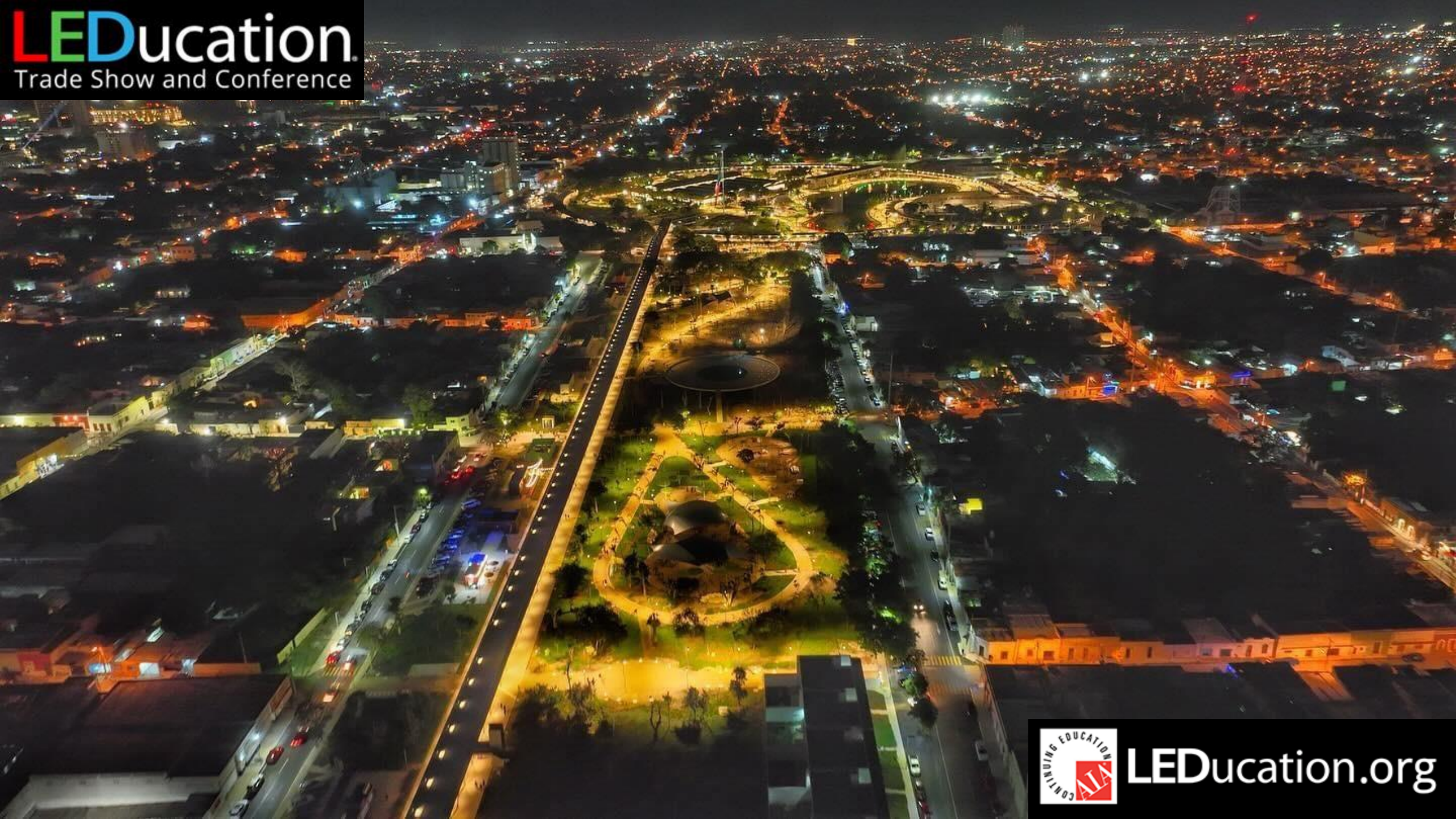


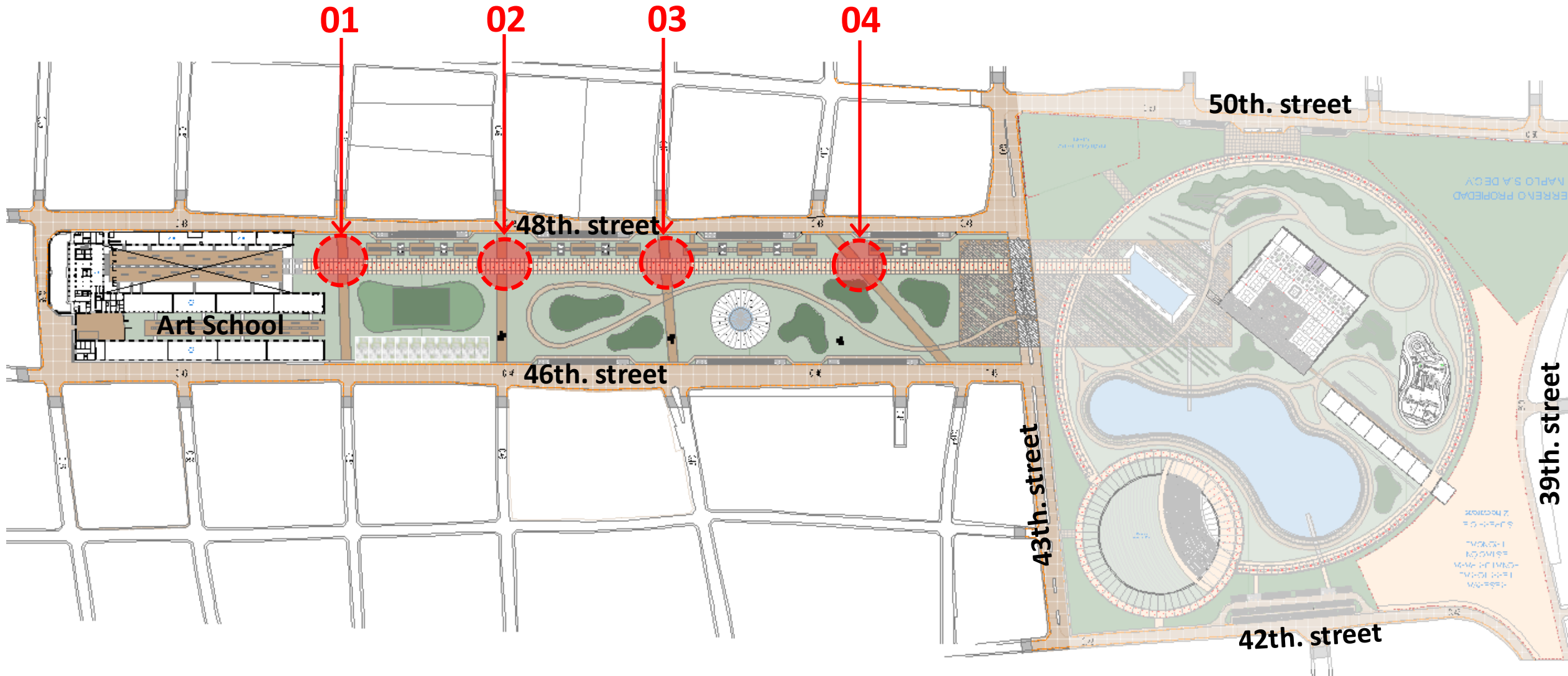












Intersections





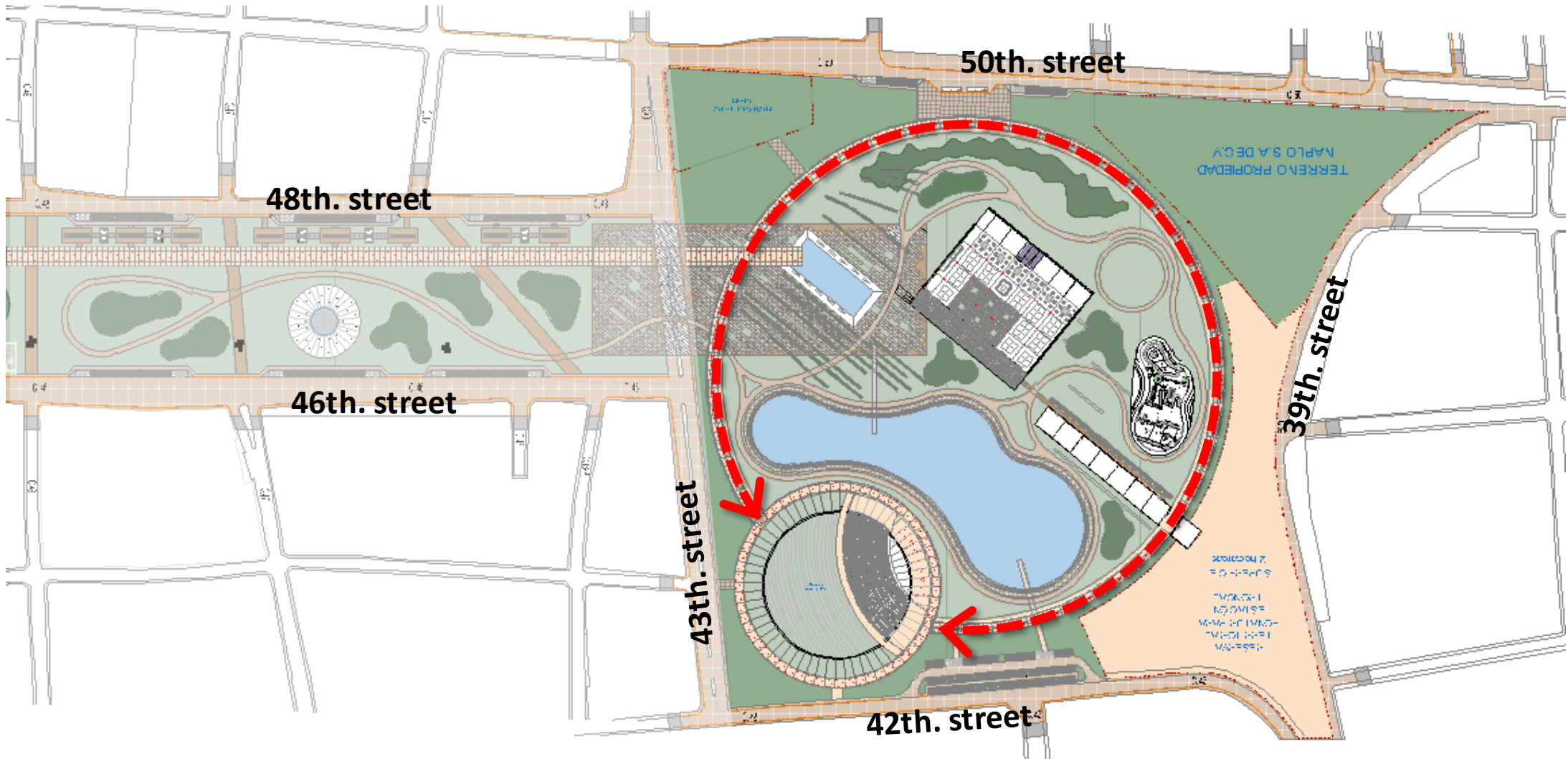


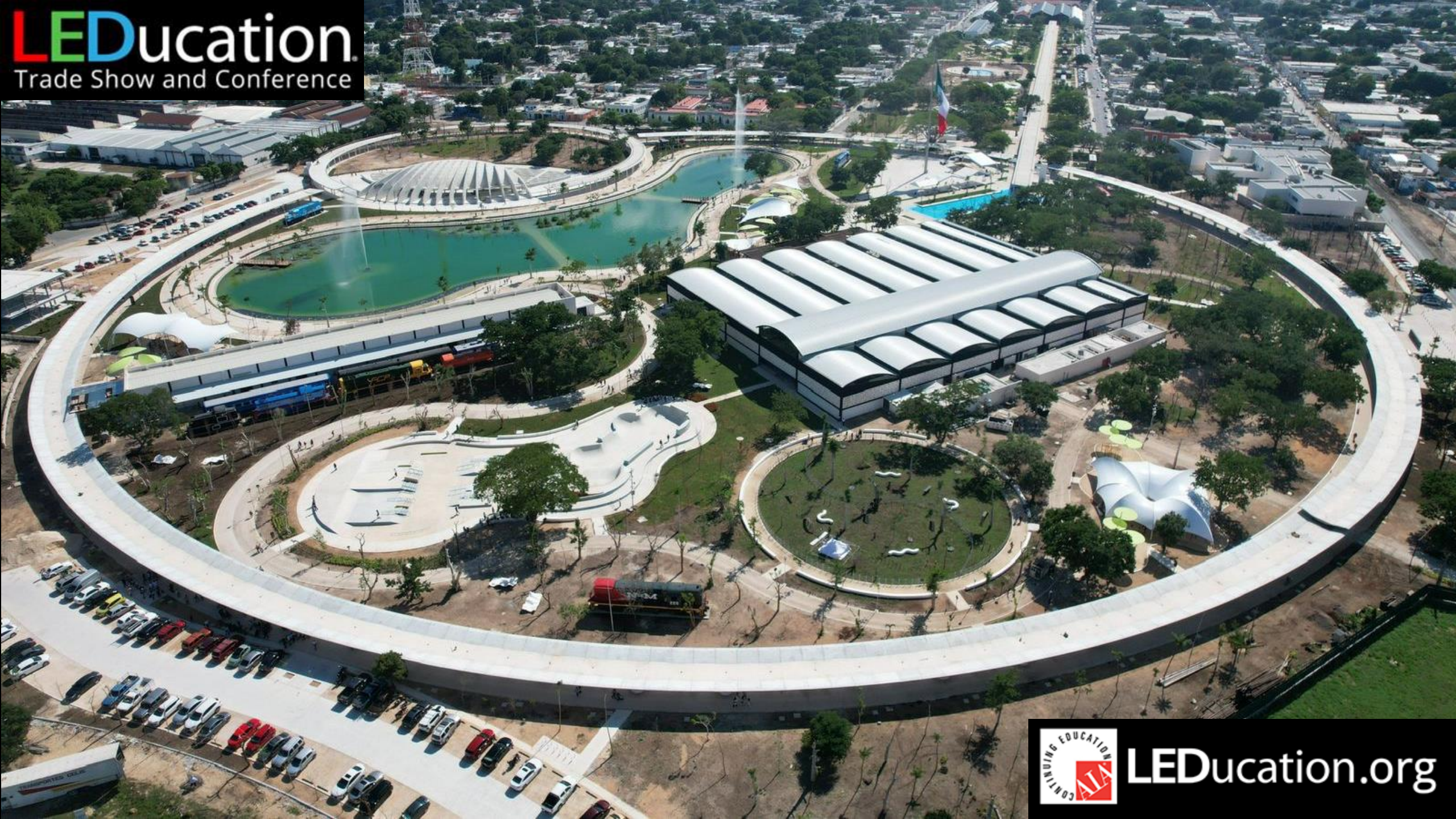


Circular walkway



Circular walkway = indirect lighting





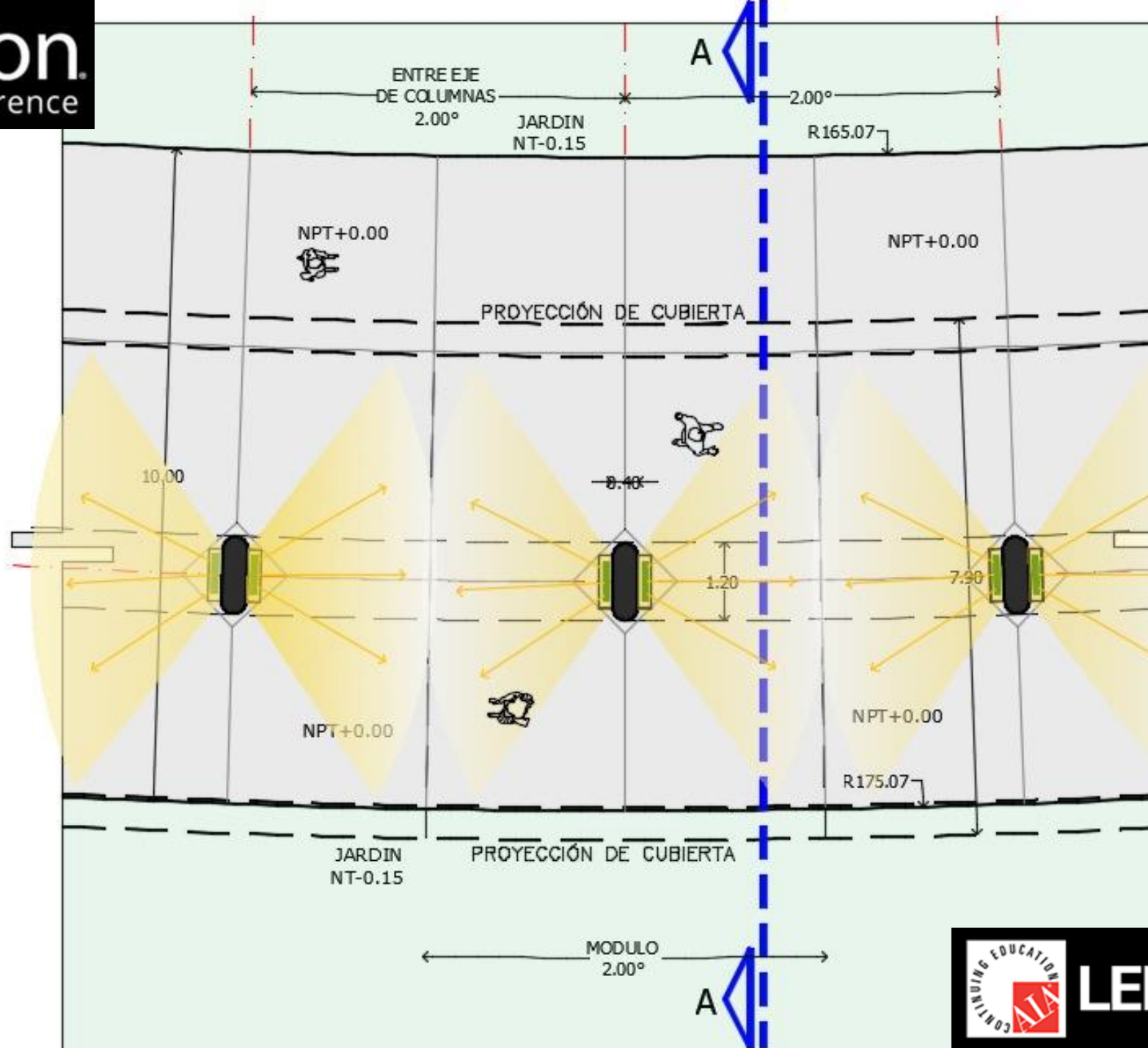


L06 iluminación indirecta

Sistema: iluminación lineal de 65.4 cm x 10.6 cm, para sobreponer en columna para iluminación indirecta, cuerpo rectangular elaborado en aluminio con acabado en color gris con difusor. Para uso exterior IP 65.

Fuente de Luz: LED, Temperatura de color 3000 K, óptica asimétrica°, potencia de 50Watts.

Driver: electrónico integrado on/off con operación de 127 - 277 V. Incluye housing a medida elaborado por Escofet.









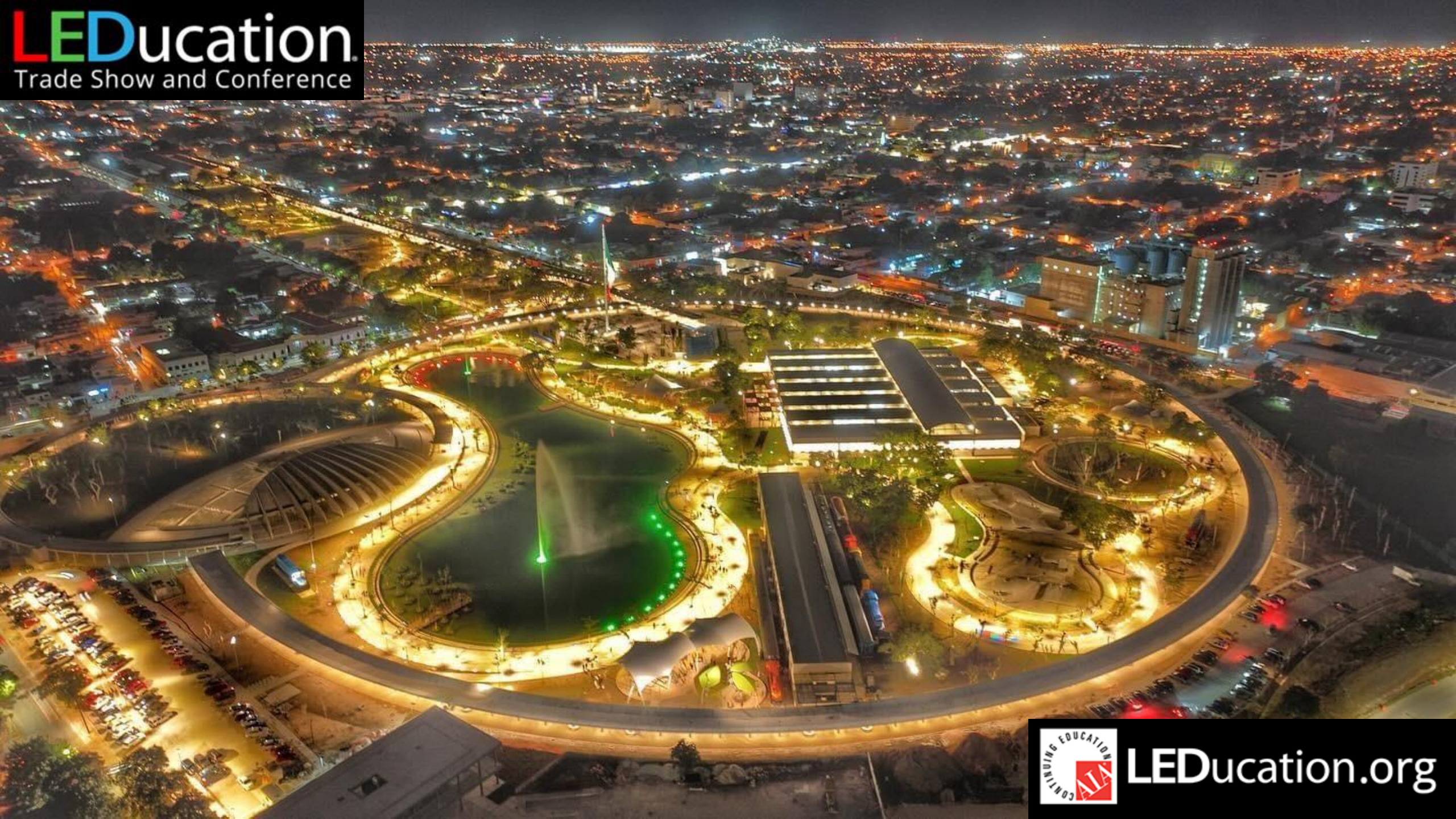


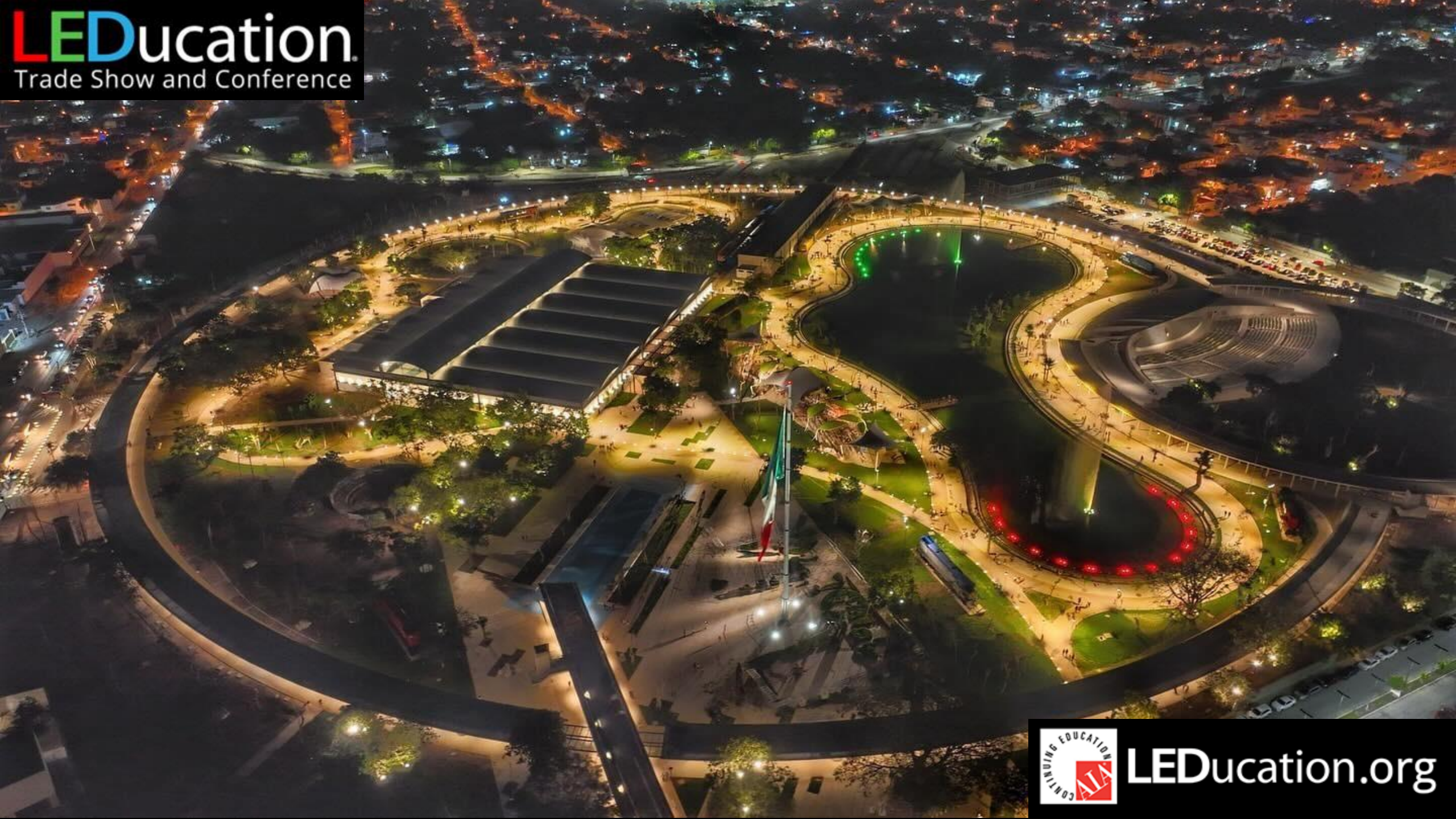


































4 elements that provide identity to the Park



4 elements that provide identity to the Park:

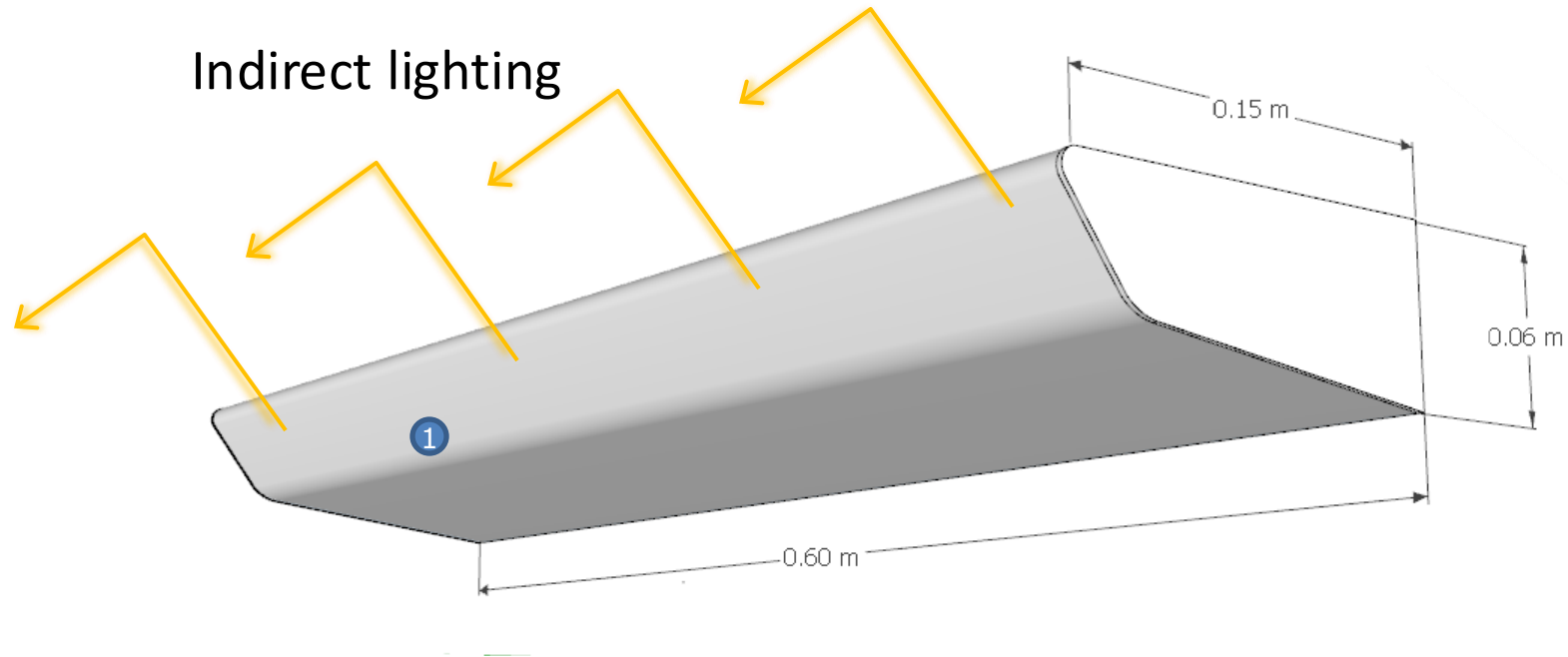
01.- “Majo” Sconce

Industrial design



“Majo” Sconce

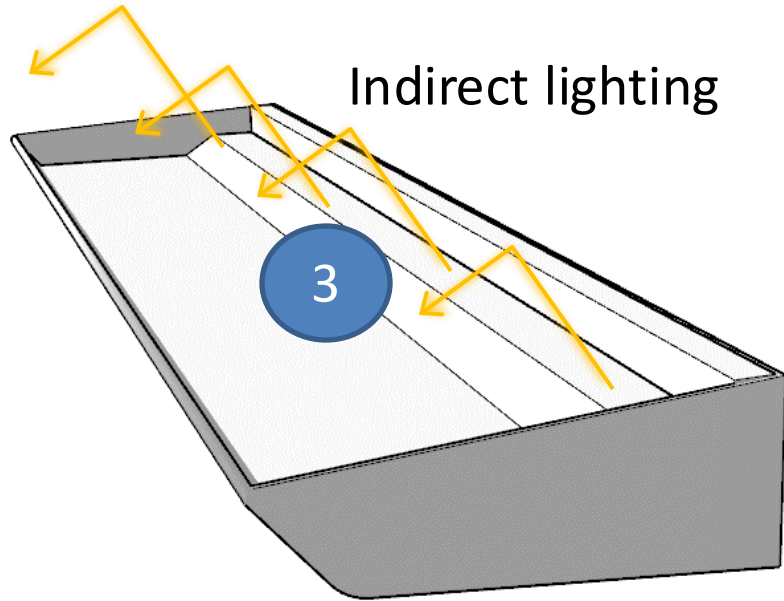
Description and 3D views of luminaire



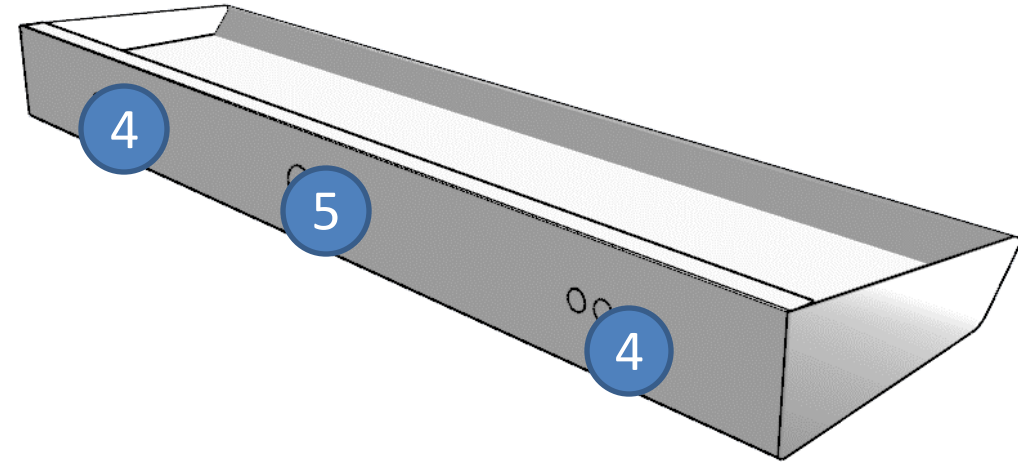
01.- Luminaire made of steel, textured matte finish, color code RAL 9006 white, with salinity resistant finish. Equipped with LED modules and eldo-LED electronic drivers.

“Majo” Sconce

Description and 3D views of luminaire

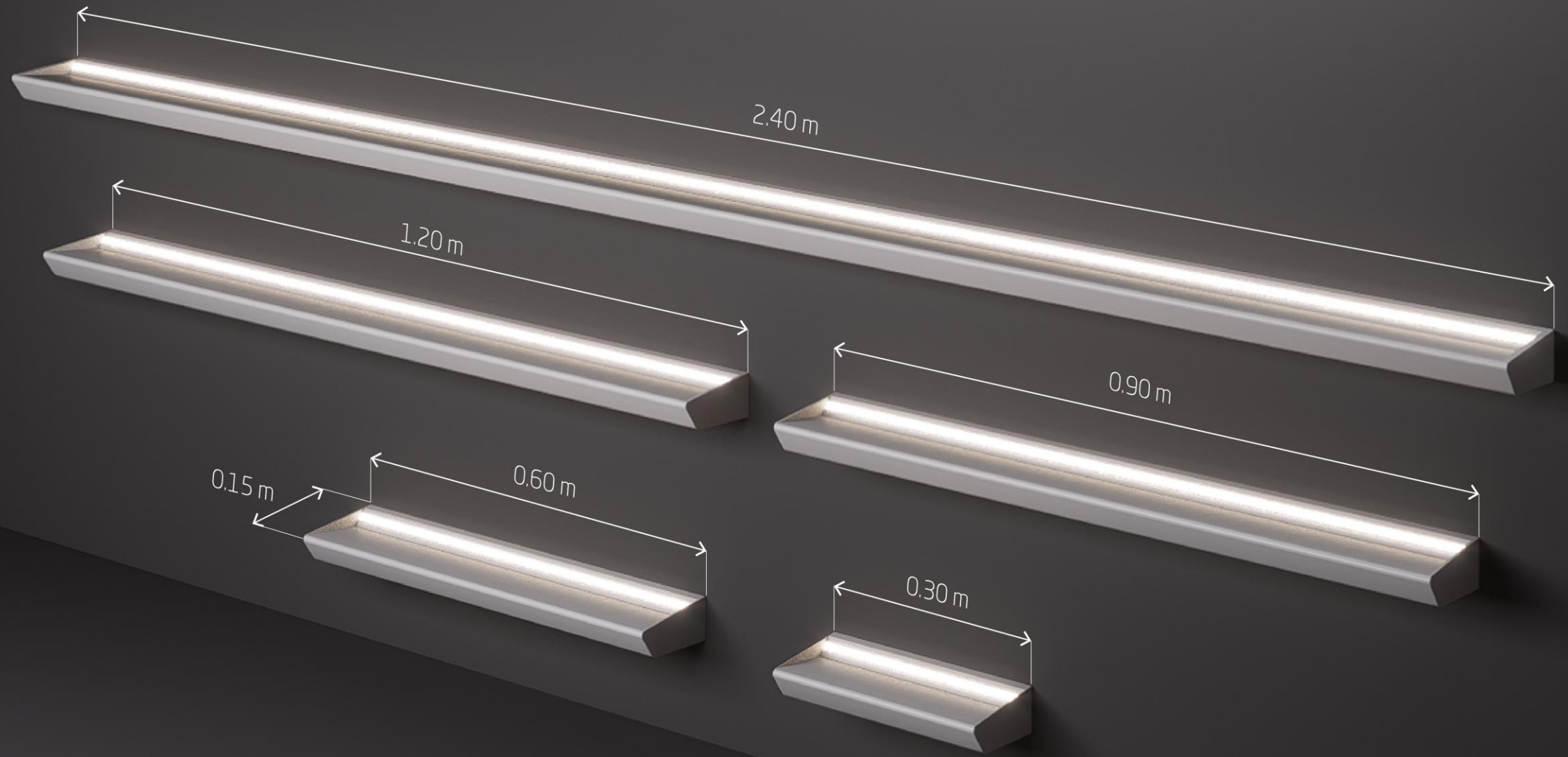


3D view with wall mounting



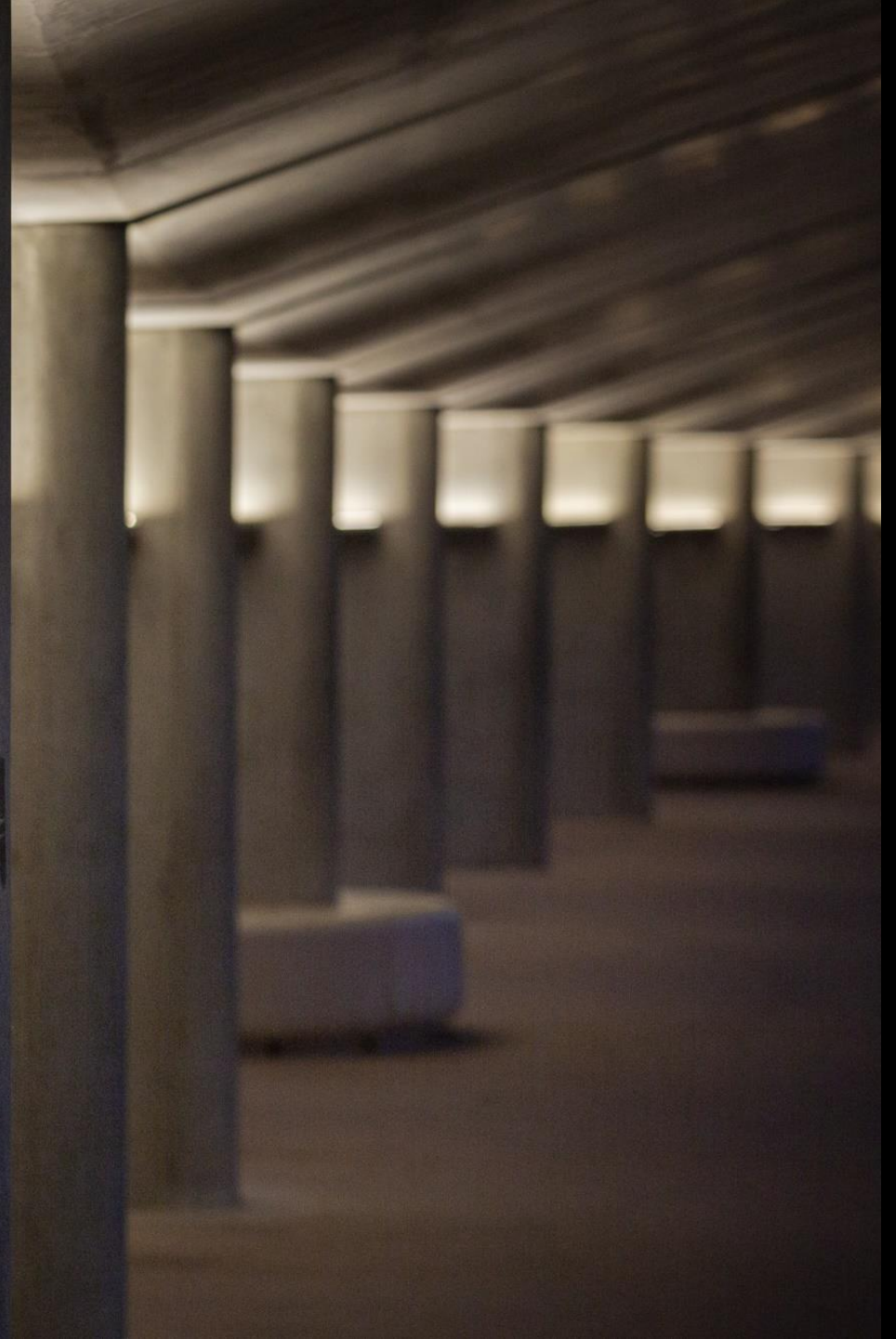
3D view of the upper part

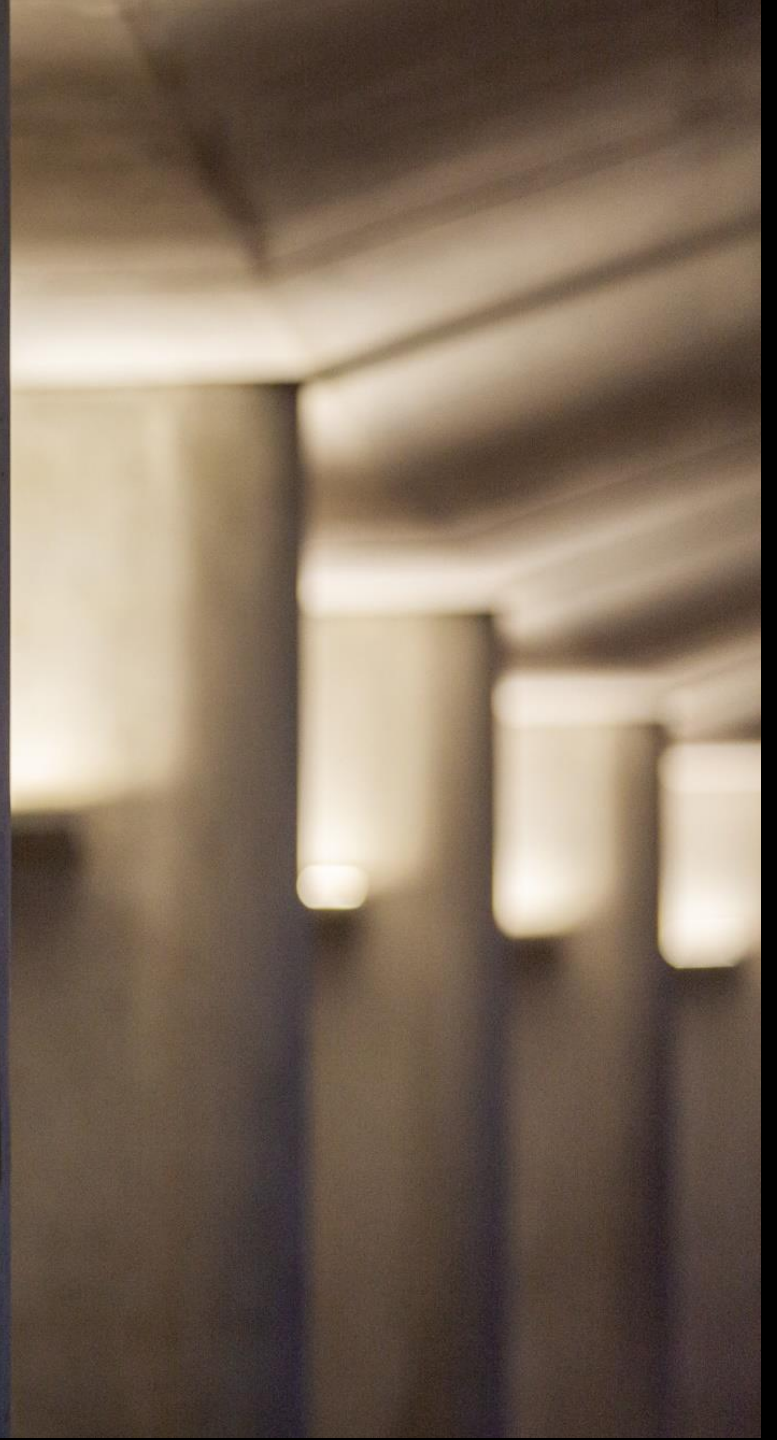
- 03.- White reflector with inclination angle, for better distribution of the grazing effect.
- 04.- Mechanical fastening, according to manufacturer's specification and approval of 333 Luxes.
- 05.- 13 mm hole for electrical power supply.











LA PLANCHA



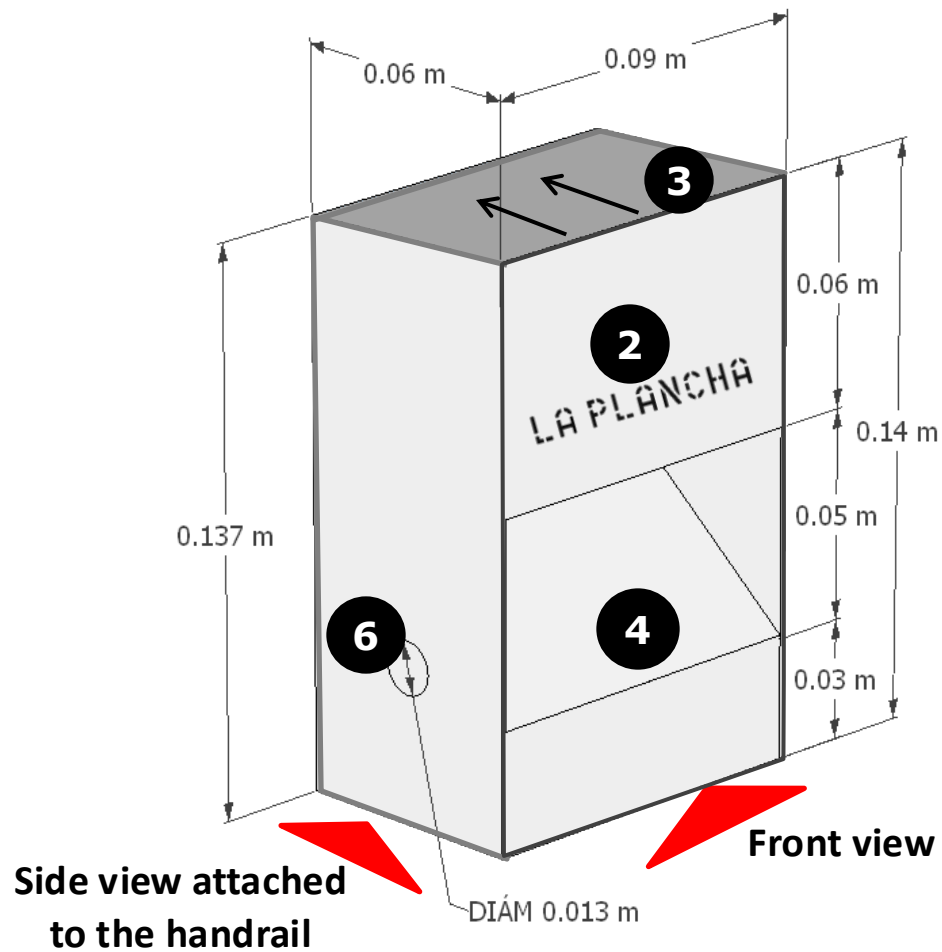
LA PLANCHA



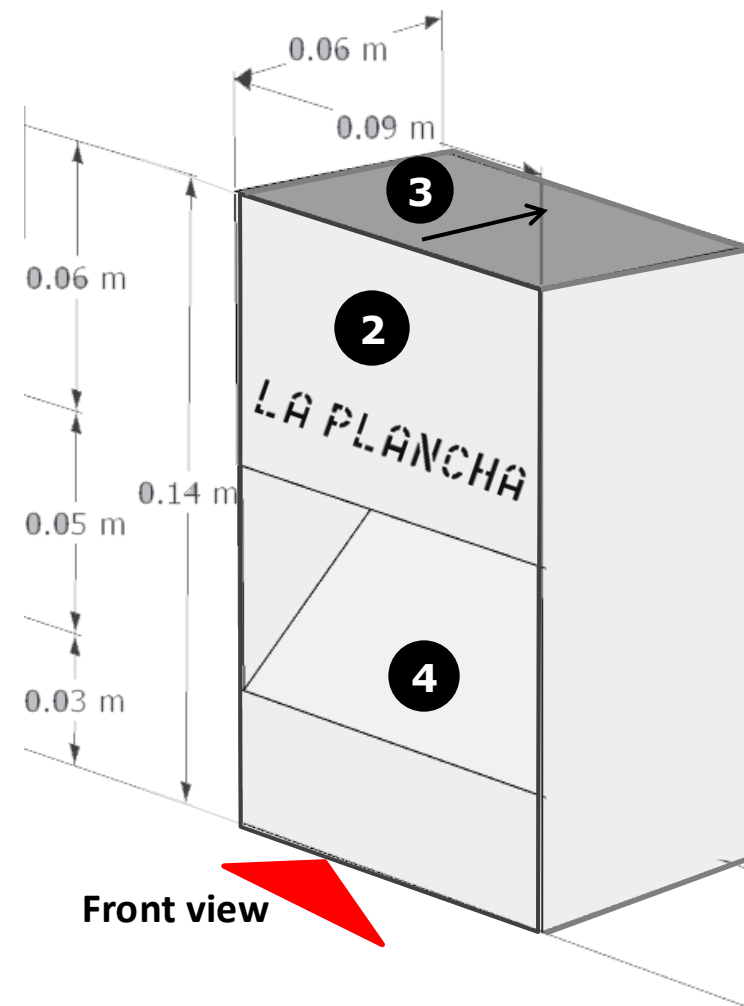
4 elements that provide identity to the Park:

02.- Sconce “Saasil ”

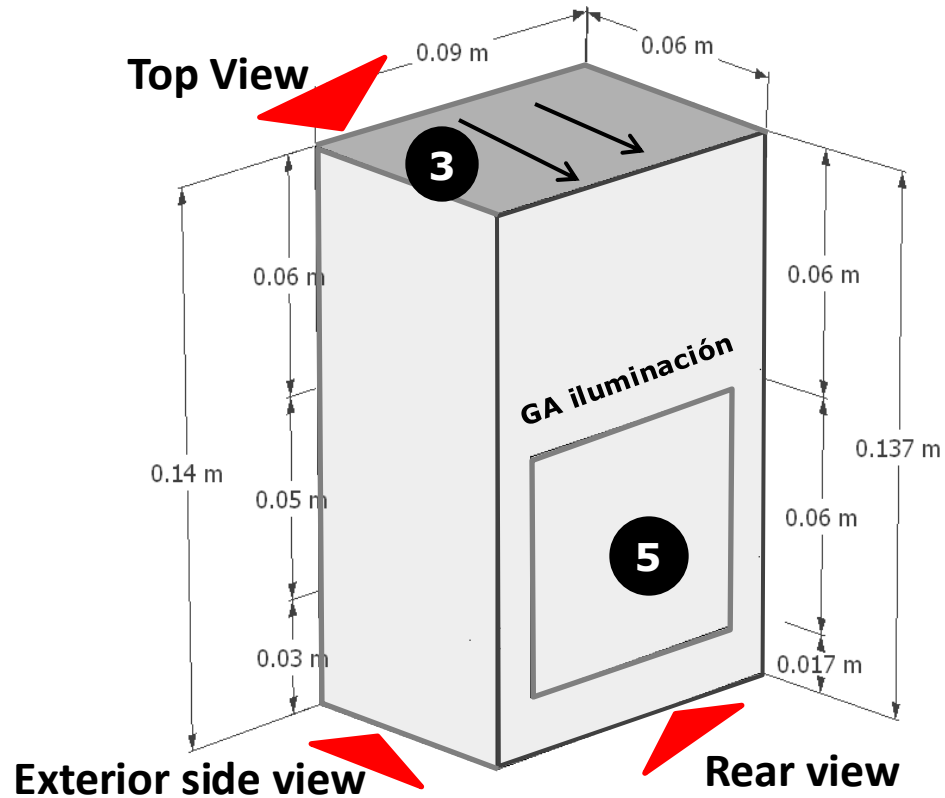
Industrial design



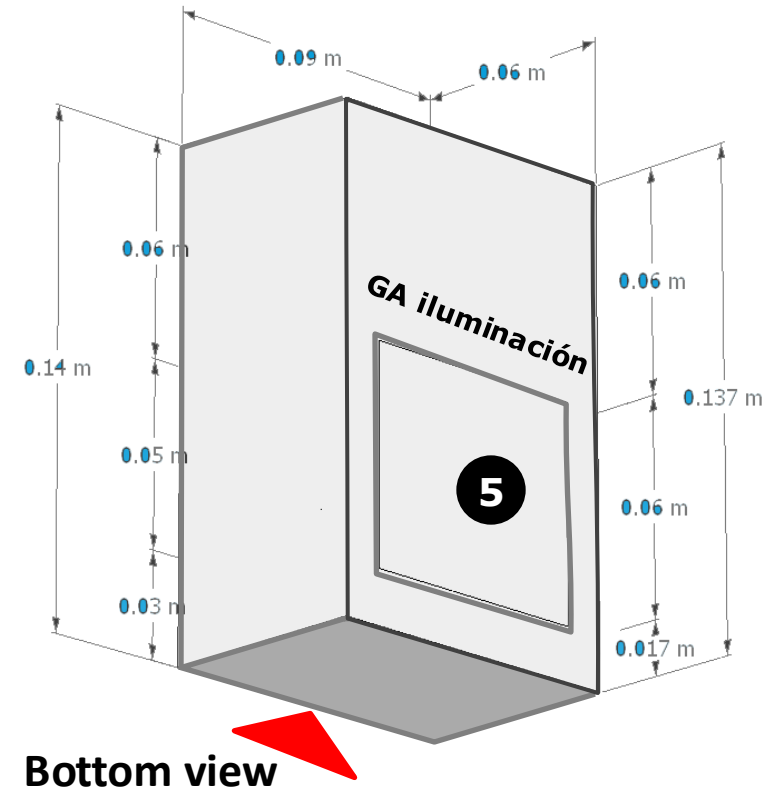
3D view with attachment to the handrail



3D view outside

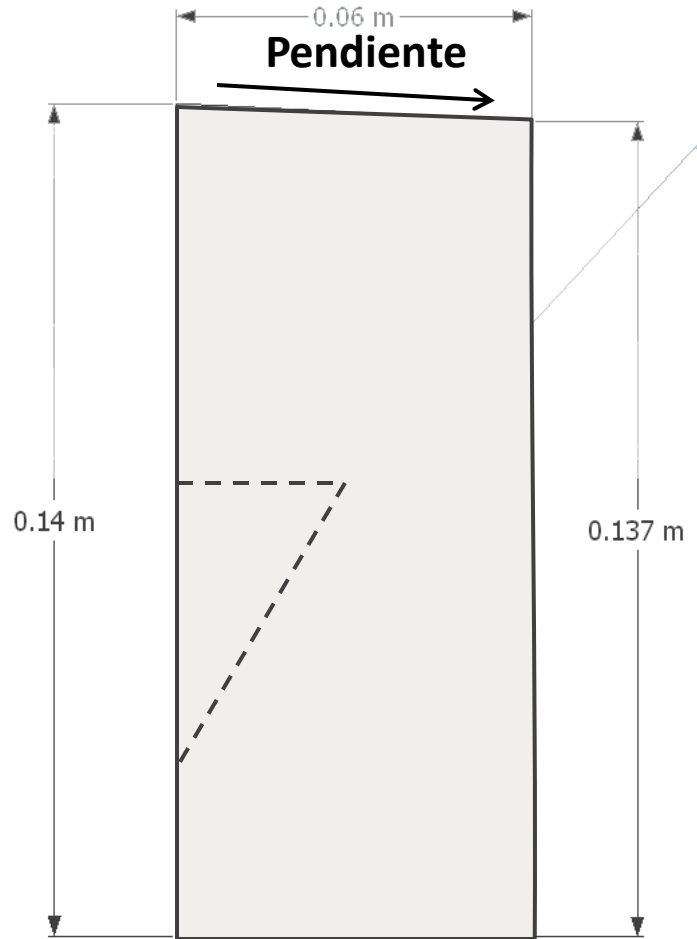


3D rear view

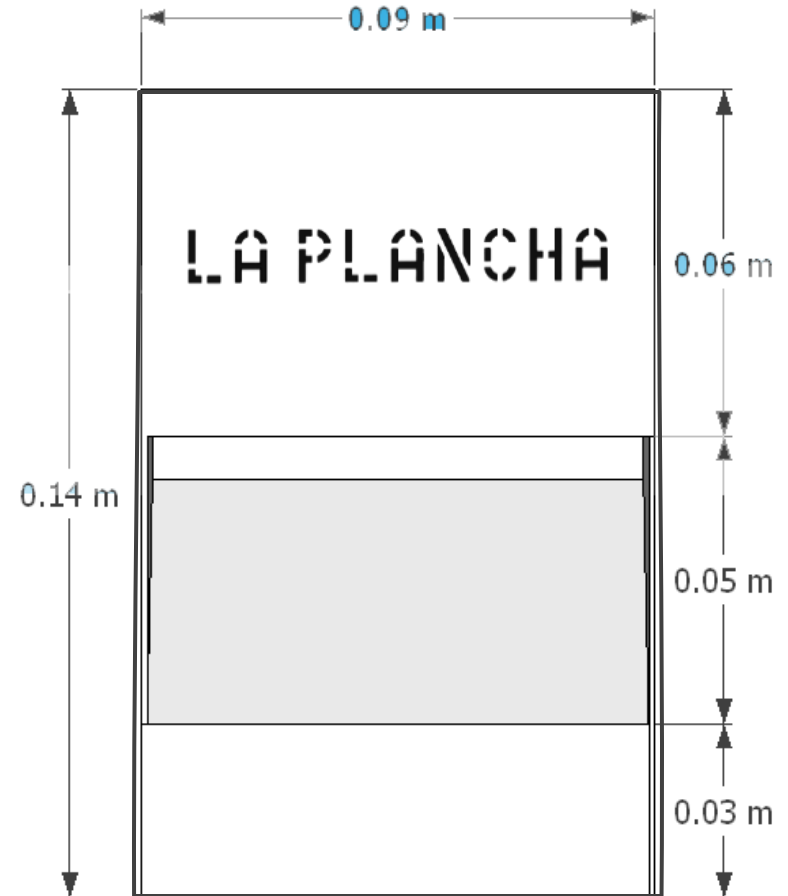


3D view of the lower part

- 3.- Slope for pluvial drainage according to the manufacturer's specifications and approval by 333 Luxes/Arq. Elías Cisneros.
- 5.- Registration for access to the driver according to manufacturer's specifications and approval by 333 Luxes/Arq. Elías Cisneros.
- 7.- Carry out GA Illumination dyeing.



Side View



Front view



LA PLANCHA

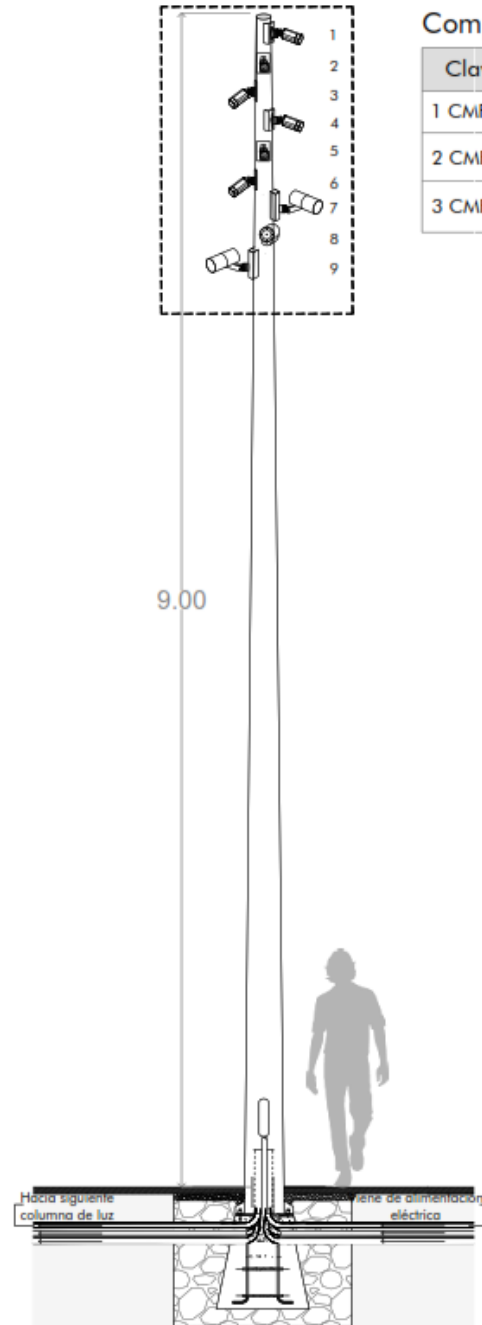
4 elements that provide identity to the Park:

03.- Multifunction light column

Industrial design

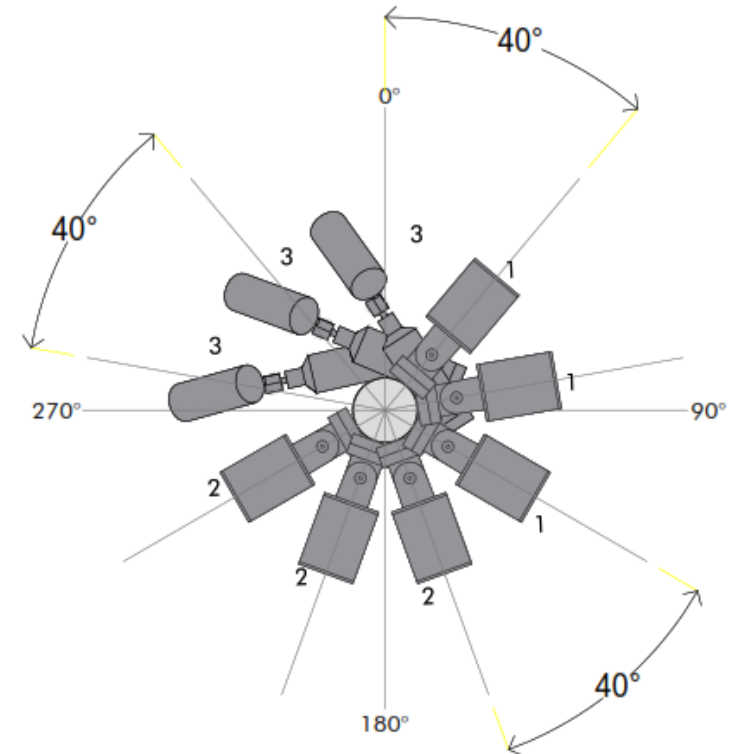
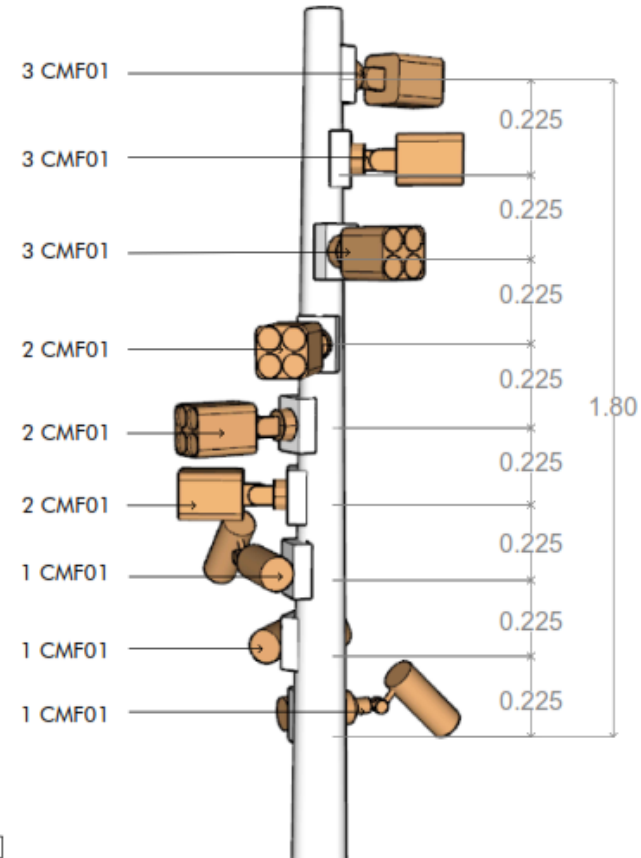


Detalle del Sistema Columna de Luz Multifunción Modelo CMF01:10 Piezas

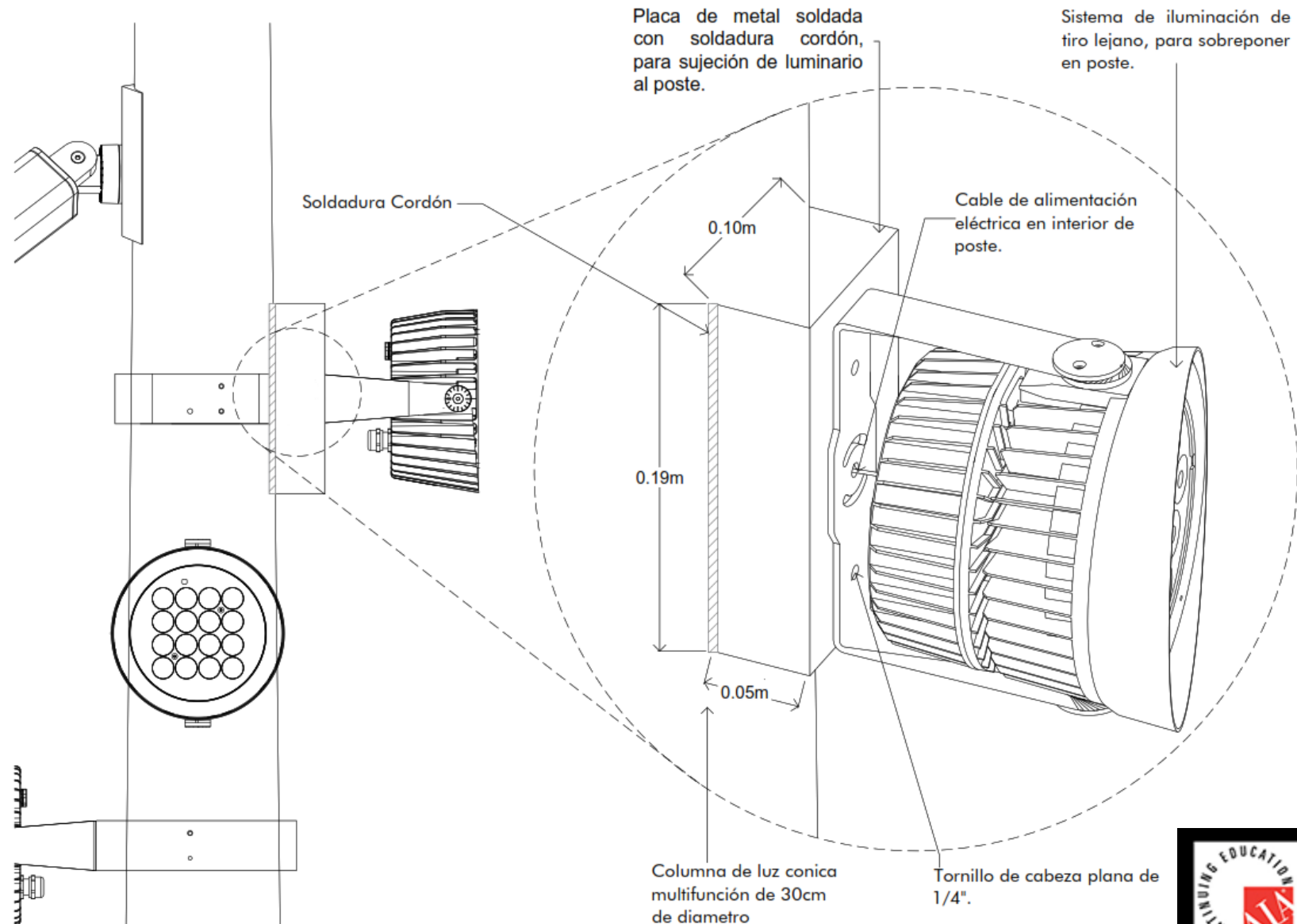


Compuesto de 9 luminarios de acuerdo a la siguiente tabla:

Clave	Cantidad	Descripción	Carga
1 CMF01	3	Proyectores con GOBO (Proyección de árbol), óptica concentrada, temperatura de color 3000°K.	69 watts
2 CMF01	3	Luminarios de tiro lejano, óptica de apertura 15°, temperatura de color 3000°K.	114 watts
3 CMF01	3	Luminarios de tiro lejano, óptica de apertura 60°, temperatura de color 3000°K.	114 watts
Sumatoria			297 watts



Detalle de fijación de luminario a poste.





4 elements that provide identity to the Park:

04.- Sak che'eh bollard

Industrial design

Bolardo modelo "Sak che'eh */ Sonrisa / Smile"

Versión fabricada en concreto con sistema de iluminación

**Del vocablo maya que significa: Sonrisa*



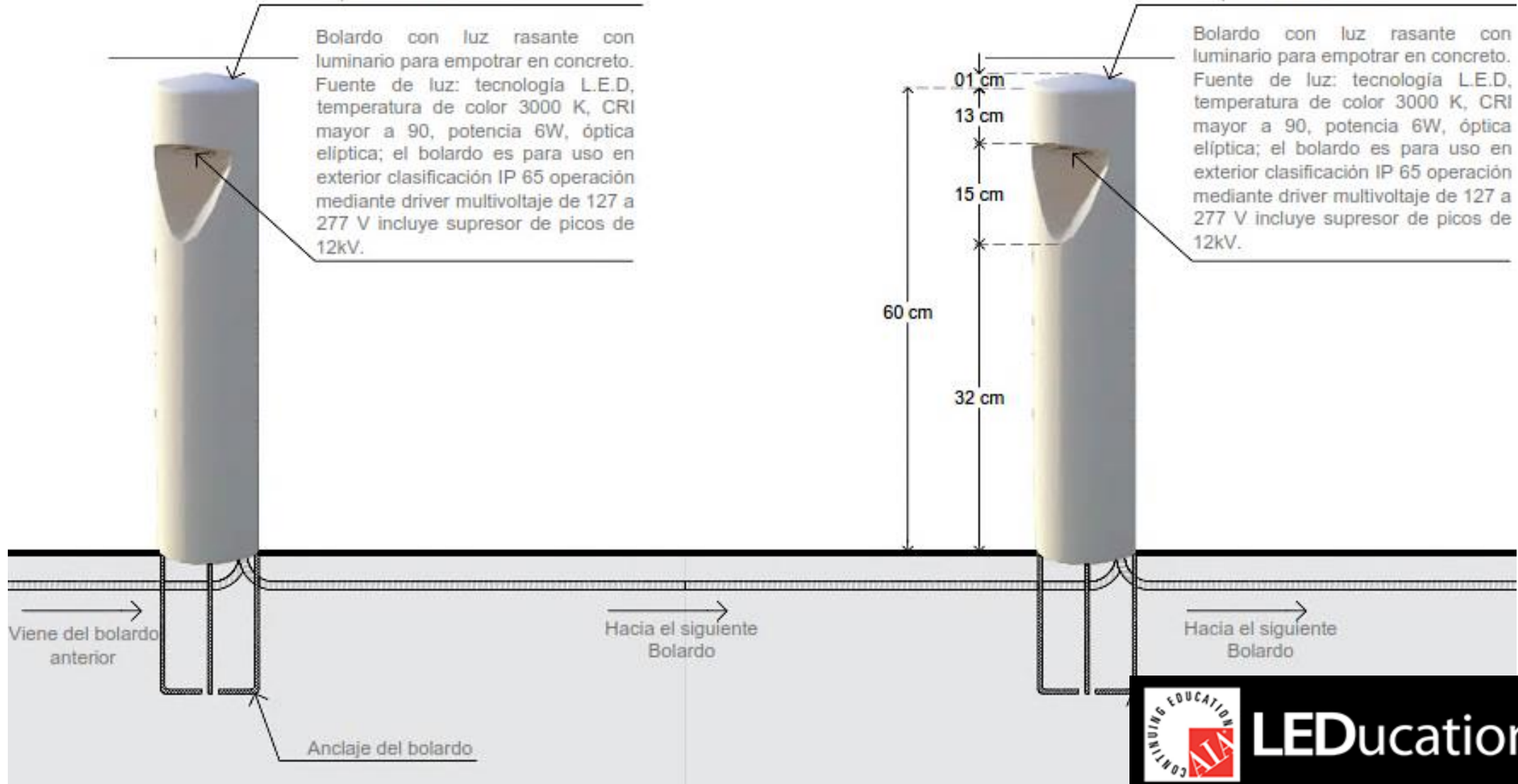
**Diseño
industrial
registrado**

Remate cónico con desnivel de 1.0 cms para drenaje pluvial y arista superior redondeada.

Bolardo con luz rasante con luminario para empotrar en concreto. Fuente de luz: tecnología L.E.D, temperatura de color 3000 K, CRI mayor a 90, potencia 6W, óptica elíptica; el bolardo es para uso en exterior clasificación IP 65 operación mediante driver multivoltaje de 127 a 277 V incluye supresor de picos de 12kV.

Remate cónico con desnivel de 1.0 cms para drenaje pluvial y arista superior redondeada.

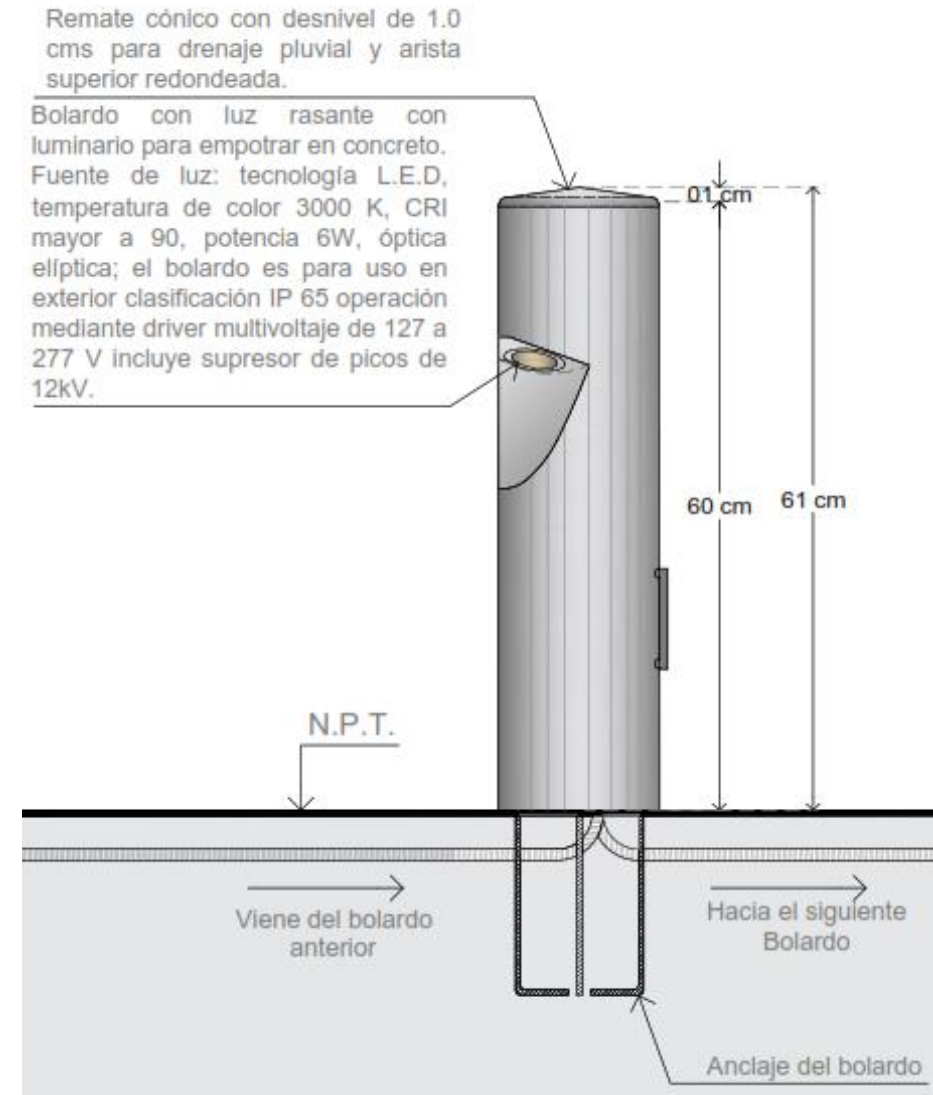
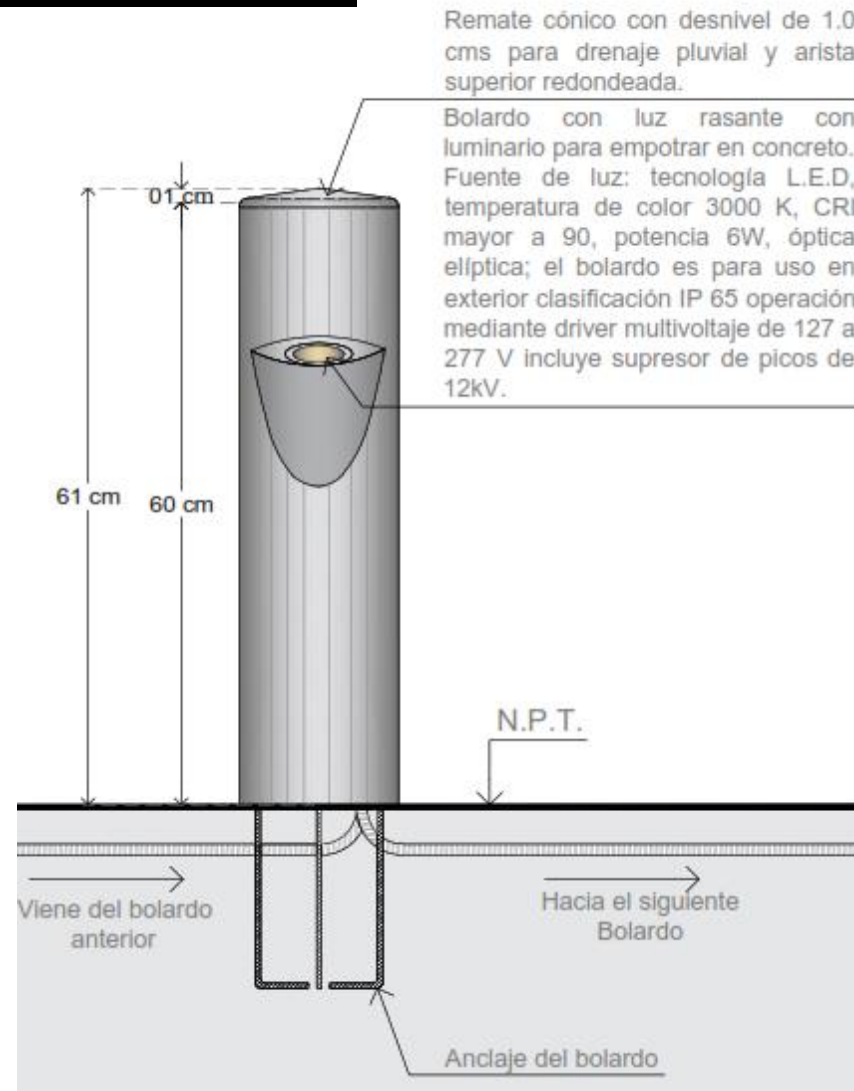
Bolardo con luz rasante con luminario para empotrar en concreto. Fuente de luz: tecnología L.E.D, temperatura de color 3000 K, CRI mayor a 90, potencia 6W, óptica elíptica; el bolardo es para uso en exterior clasificación IP 65 operación mediante driver multivoltaje de 127 a 277 V incluye supresor de picos de 12kV.



Bolardo modelo "Sak che 'eh" */ Sonrisa / Smile"

**Del vocablo maya que significa: Sonrisa*

Versión fabricada en concreto con sistema de iluminación





Front view



Side view



Side view











Thousands of trees



LEDucation.org



Spaces for social interaction





Children's play areas





















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Diseño integral en el espacio publico



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