



# Lighting Review of

*TACOBELL*

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# Introduction

- Taco Bell Corp. is an American multinational chain of fast-food restaurants founded in 1962 by Glen Bell in Downey, California. Taco Bell is a subsidiary of Yum! Brands, Inc.
- There are more than 30 countries where Taco Bell has more than 8000 restaurants.
- Here, I have selected the Taco Bell Kottawa restaurant as my reference for the lighting review.

# TYPES OF LIGHTS

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graph TD; Root[TYPES OF LIGHTS] --> Decorative[Decorative Lights]; Root --> Task[Task Lights]; Root --> Guidance[Guidance lighting Lights]; Root --> Accent[Accent Lights]; Root --> Ambient[Ambient Lights]; Decorative --> NameSign[Name Sign Lights]; NameSign --> Pendant1[Pendant Lights]; Task --> Spot1[Spot Lights]; Guidance --> LED[LED staircase Lights]; Accent --> Spot2[Spot lights]; Ambient --> Pendant2[Pendant Lights];
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Decorative  
Lights

Task  
Lights

Guidance lighting  
Lights

Accent Lights

Ambient Lights

Name Sign Lights

Spot Lights

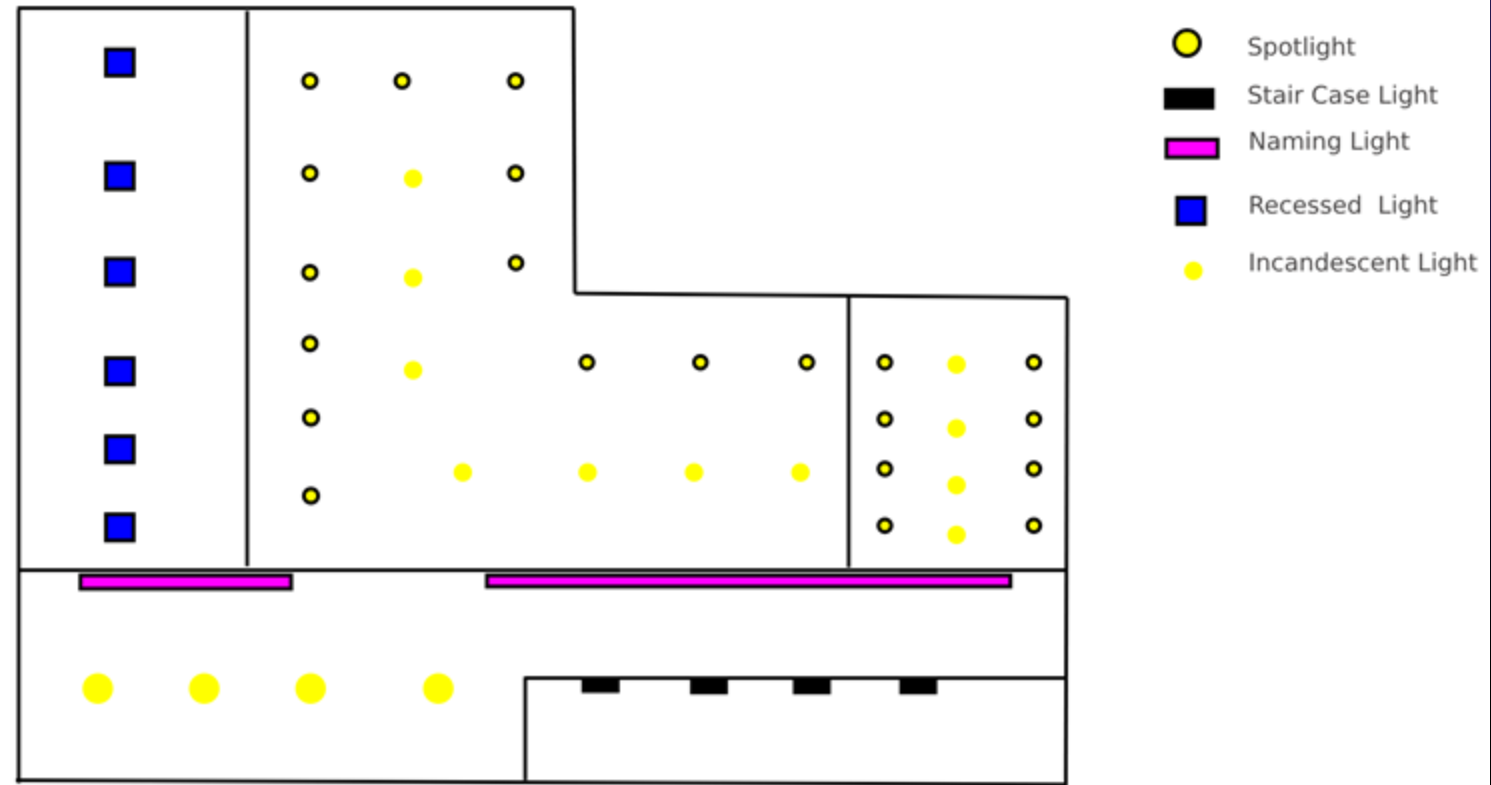
LED staircase  
Lights

Spot lights

Pendant Lights

Pendant Lights

# Lighting Layout





# LED Backlit light for the name sign



- The sign is made to be easy to see from far away, which helps people recognize the brand and attracts customers.
- Mounted on wall and roof
- It grabs the attention of passersby.



# LED neon light - Specification

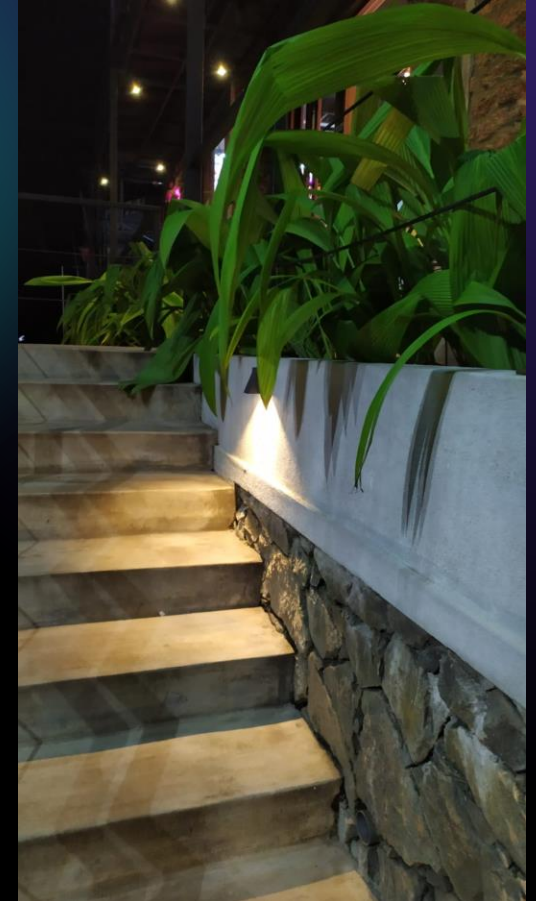
- Type - Led Backlit Sign Office Signage BL-22120201
- Material - Stainless steel
- Working Lifetime- 100000 hours
- Installation Way - screw
- Light colors - Pink
- Color Rendering Index - 80
- Color temperature - 4000K
- Luminous Flux: 600lm





# Staircase LED lights

- Staircase lights are strategically installed to illuminate each step and ensure safe navigation.
- Mounted along the stairs, these lights guide users effortlessly to their destination.





# Staircase LED lights - specification

- Type - LED Step Light
- Material - Plastic
- Working Lifetime- 120000 hours
- Installation Way - Reassessed In
- Light colors - Warm White
- Color Rendering Index - 40
- Color temperature - 2000K
- Luminous Flux: 200lm



# Pendant lights

- - Hanging lights brighten the indoor dining space.
- - This lighting method emphasizes diners inside.
- - Soft, warm light with a touch of gold creates a cozy atmosphere.
- - Installed on the ceiling.





# Pendant lights - specifications

- Type - Bubble Ball Bulb
- Material - glass
- Working Lifetime- 60000 hours
- Installation Way - Reassessed In
- Light colors - Yellow
- Color Rendering Index - 70
- Color temperature - 2700K
- Luminous Flux: 700lm



# Recessed light

- Used in kitchen area
- provide a clean and minimalist look by blending into the ceiling



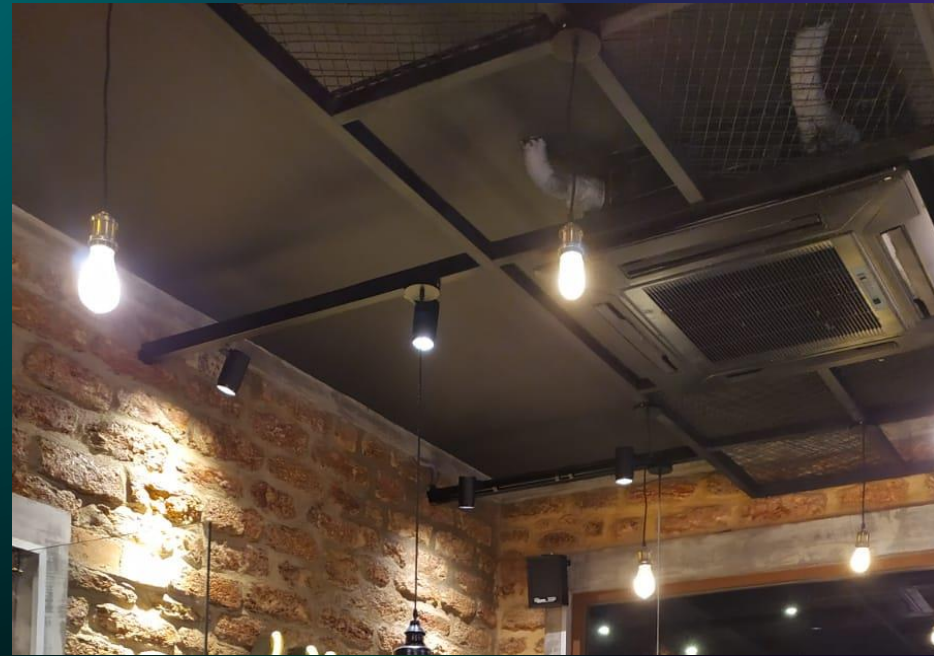
# Recessed light - specification

- Type - Led panel lights
- Material - Aluminum
- Working Lifetime- 60000 hours
- Installation Way - Downlights
- Light colors - WHITE
- Color Rendering Index - 80
- Color temperature - 2700K
- Luminous Flux: 960lm



# Spotlight

- Spotlights are focused on the working stations of the kitchen and walls
- Using cool white lighting helps enhance the appearance of a brick wall.
- Mounted on ceiling





# Spotlight specification

- Type - Track Lighting
- Material - Polished Steel
- Working Lifetime- 70000 hours
- Installation Way - screw
- Light colors - WHITE
- Color Rendering Index - 70
- Color temperature - 4000K
- Luminous Flux: 1000lm



# Incandescent lights

- These bulb give vintage theme where the ambiance is designed to evoke a sense of nostalgia or a specific time. Incandescent bulbs, especially those designed to resemble classic Edison bulbs, are popular choices for these themes because they contribute to the overall vintage aesthetic and can complement other retro-style decor elements.



# Incandescent lights - specification

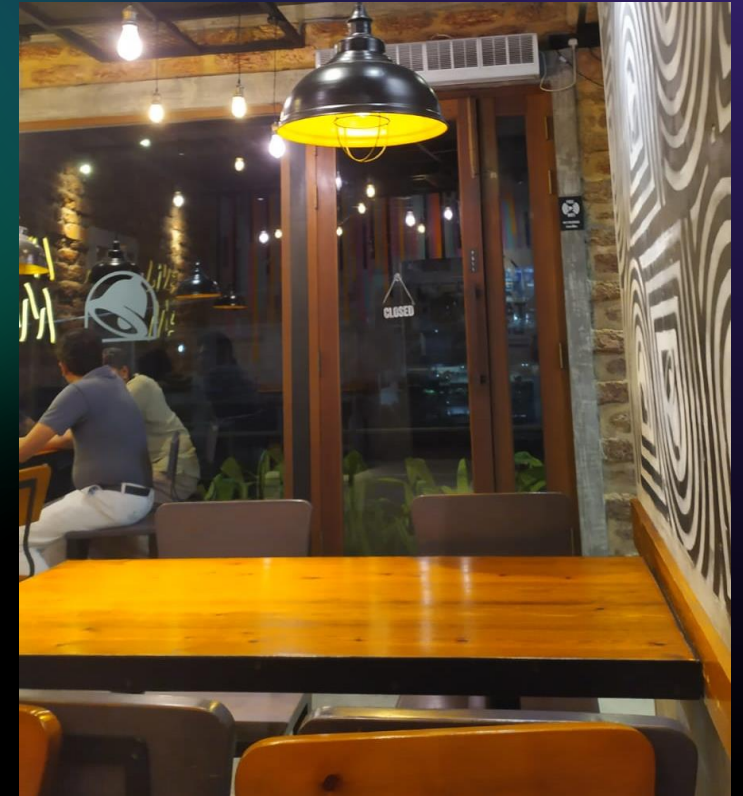
- Type - Incandescent Bulbs
- Material - Glass
- Working Lifetime- 100000 hours
- Light colors - Warm White
- Color Rendering Index - 70
- Color temperature - 2200K
- Luminous Flux: 600lm





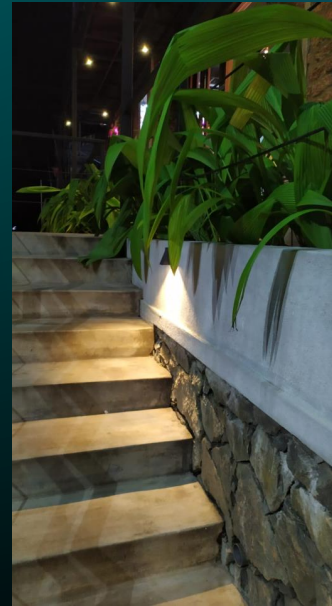
# Other lighting enhancement strategies

- During the day, they effectively use natural light by placing windows all around.
- At night, the windows have glass panels that reflect the indoor lights, making the space brighter.



# Mood and atmosphere – Outside

- Pathway lights ensure safe navigation.
- Creates a calming and relaxing vibe.
- Provides an inviting ambiance.
- It illuminates the restaurant's name or logo in a bold, eye-catching manner





# Mood and atmosphere – Dining area

- Warm white lights are used to accentuate the vibrant colors of the dining tables, emphasizing their wooden texture.
- Creates a fun and lively atmosphere.
- Provides a peaceful ambiance, offering a relaxing escape from everyday hustle and bustle.





# Mood and atmosphere – Kitchen, serving area

- Cool yellow lights
- Convey a sense of cleanliness and orderliness.
- Low visibility and effectiveness.



# Identified Issues

- Multiple light sources overwhelm the eye, making it difficult to focus on specific elements in the space. This can distract from the overall ambiance or intended focal points of the area.
- Excessive lighting can cause harsh glares and reflections, on shiny surfaces like glass or polished materials.



# Identified Issues

The naming board inside is not clearly visible. To improve visibility, reduce the extra light around it and focus more light directly on the board.



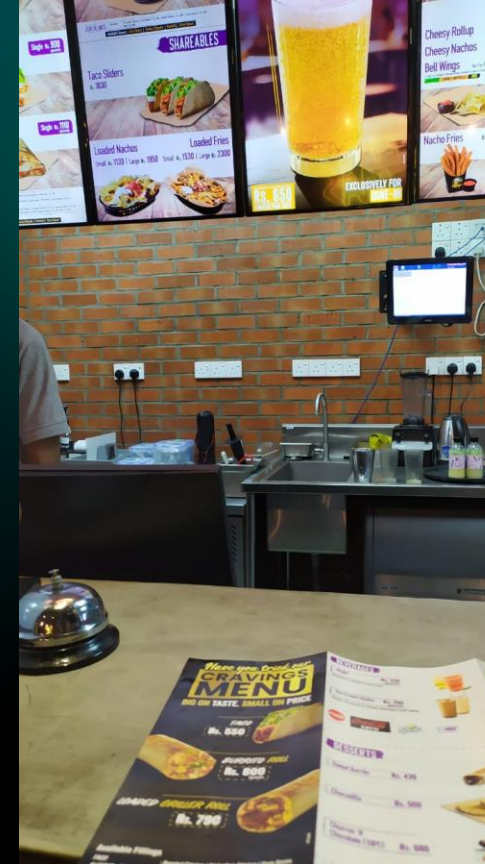


# Identified Issues

Proper task lighting in the serving area helps staff work comfortably by reducing eye strain and fatigue caused by poor lighting.

## *Solutions:*

- Remove unnecessary lights from the dining area to create a more comfortable environment for the eyes.
- Adding spotlights to the serving area helps improve visibility.



Thank You ..!

