Anna Ball
ABS 443
Individual case study Assignment
Location

• Kaizen serves Japanese cuisine from the hours of 5:30 – 4 or 6 a.m.

• Kaizen is located on Paradise Rd. across the Hard Rock Hotel
I choose Kaizen for the following reasons

• They have inefficient layering of lighting
• They over light the space, washing out surrounding lighting techniques and eliminating a candle lit mood they strived to produce
• They have an inefficient focal layer
• They inefficiently light important design features in the space
Inefficient Layering of Lighting

• All of the functional lighting has only been installed at two heights.
• The ambient layers are all at the same height.
• The first layer consist of the pendent lighting, wood fixtures, and halogen lighting which are nested parallel with the HVAC system; which is unattractive, insufficient, and distracting.
Design Solution

• To draw less attention to the view of the ceiling and to create a more diverse lighting plan I would lower all of the ambient lights accept for the task pendants
  – I would lower the wood down lights below the HVAC and replace the pendants with diffused chandeliers that are made of red fabric which will accent the red metal backsplash and blend in better with the black ceiling, while the prior bright undiffused pendants where contrasted with the black ceiling making them more conspicuous

• The halogen lighting in the black canopy would be eliminated because there is not a need for it to supply ambient lighting.
  – This canopy would become the second layer of layering that would serve as decorative mood lighting, with slowly changing colored led lights with a diffuser that would compliment the colored the wall grazing or amber colored lights that will emulate candles to produce a romantic mood coordinating with the candles on the tables and entry
Over Light the Space

• Halogen compensation for the ambient pendent lighting level being too high creates more problems than it solves.
Over Light the Space

- The lighting washes out the up lighting focal layer positioned against the textured wall.
- The candle ambiance mood created when first entering is not carried throughout the space due to the overpowering lights.
- The decorative layer of candles positioned on the tables do not serve their purpose to create a romantic mood because the environment is too bright.
Over Light the Space

- The lighting is not diffused which hurts your eyes when you glance at it. Washing out surrounding lighting techniques and eliminating a candle lit mood they aimed to produce.
- Another problem caused by over lighting is glare and visual discomfort.
• To reduce light pollution
  – I would replace the ambient pendants with large fabric chandeliers to soften the distracting glare created onto the metal backsplash behind the bar and to reduce the number of fixtures.
  – I would eliminate the halogen lighting and replace it with amber colored lighting that is covered with diffusers. Make the task pendants at the sushi bar opaque around the light source to reduce glare and visual discomfort.
Inefficient focal layer

- The direction of the up lighting is incorrect achieving a meager effect. The texture is only illuminated up to 36”
- There are two problems here,
  - The direction of the lights are at a 90 degree angle and the atmosphere is not dark enough
  - They should be angled and make more contact with the wall surface
- The number of ambient lights should be reduced
- The overpowering ambient layer washes out the focal layer
Design Solution

• To receive the most dramatic effect lights with a 45 degree angled reflector should be used, shining all of the light onto the wall while projecting it.

• Second reducing the light pollution will not wash out the blue focal lighting layer.
They inefficiently light important design features in the space

- The light fixture that is installed is too small and its illumination is directional, only lighting an painted wall, it is not providing any illumination for task or for the costly materials specified.
Under Light Certain Spaces

• The beauty of the costly glass mosaic wall and the reflective golden green slate do not serve their purpose being lit inconspicuously
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- The glass mosaic wall cost $1,770. The material used is $22 a square foot and it can not be seen.

- The flooring and bathroom counter is made of a reflective slate that cost around $1,755 and it can not be seen
Design Solution

- I would remove the light fixture for a more efficient one that would provide enough lighting for task and serve as a decorative layer to compliant and coordinate with the costly materials that have already been specified.
- The light would not be directional and would provide 180 degree illumination
- The light would be a chandelier made of material that reflects light back onto the reflective materials creating a loop of light that bounces back and forth
Sources

- Picture of façade and food taken from www.kaizen-sushi.com
- All fixtures taken from www.firefarm.com
- Remaining photographs where taken by the student