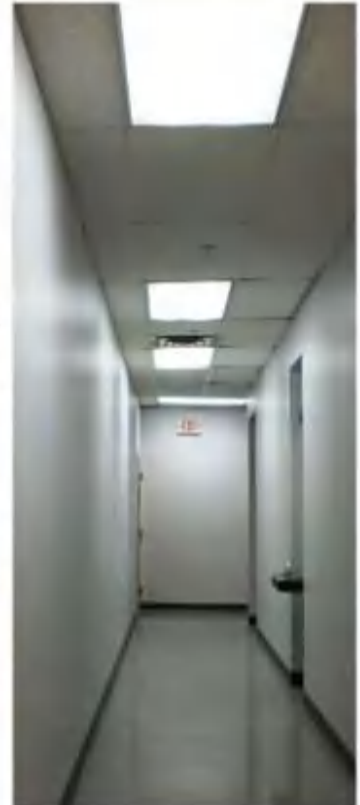
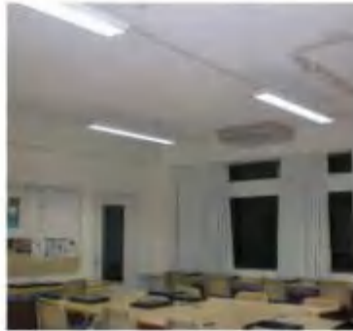




Projects Job



Green



High Performance



Energy Saving

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1. Silvercord Building

iLighting Supplied 254 pcs. high power T8 LED lamp to replace 36W FL lamp at Staircase of Tsim Sha Tsui Silvercord Commercial building car park to improve the lighting effect and demonstrated the energy saving through lighting retrofit by LED.



Time: 9:30pm - 10:30pm

LUX Meter Model: TES-1332A

Z16
Z15
Z14
Z13
Z12
Z11
Z10
Z9
Z8
Z7
Z6
Z5
Z4
Z3
Z2
Z1

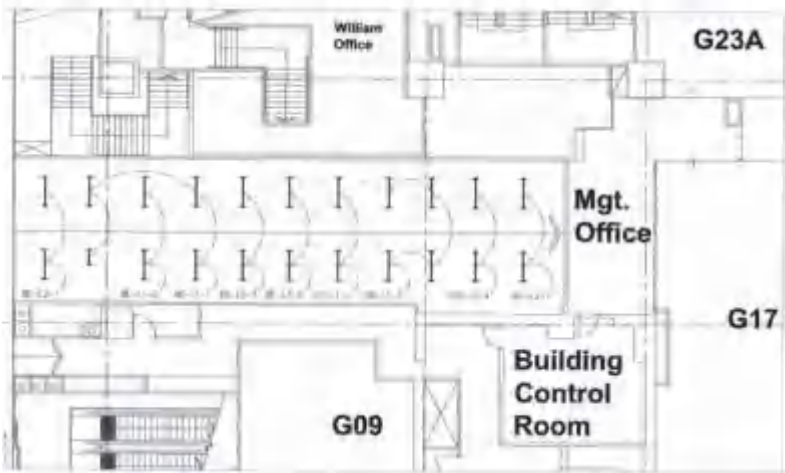
Basement

Average LUX 237.55



140	200	247	220	229	174
					Total LUX 1477
					Total Count 7
					Average LUX 211

G/F Drive Entrance



Carpark Lighting Retrofit Results

Total Qty : 254 pcs
Client Requirement : Average LUX on floor = 200 LUX
Before retrofit 1200mm 36W T8 FL Tube, average LUX level : 100 LUX
After retrofit by 18W 1200mm LED Tube , average LUX level : 230 LUX

Energy saving calculation:

Annual Saving
T8 Fluorescent fitting = 254 x 46W x 24 x 365 /1000 KWh = 102352 KWh
T8 LED Tube = 254 x 18W x 24 x 365 /1000 KWh = 40051 KWh

Annual saving = (102352-40051) x HK\$1.1= HK\$68,531

Monthly Saving = HK\$5,710



2. Breamar Hill Chinese International School

iLighting supplied and installed 840 pcs LT high performance LED tube successfully to replace 2x58W T8 light box in one of the top class International school with its advantages of high energy saving and Luminous efficiency, long service life, excellent Color Rendering Index, no flicker, temperature cool. All indicators met the project acceptance standards after test. And compared with the original T8 lighting system, the lighting effects significantly improved both in anesthetic outlook and light quality. In addition, Life cycle maintenance cost is zero.





Room 1203, 12/F Wang Lung Industrial Building, 11 Lung Tak Street, Tsuen Wan, Hong Kong.

Tel.: 35863418

Fax: 23212617

email: info@ilighting.com.hk

iLighting Company News Date September, 2011

International School Class Room Lighting Retrofit to “Super Bright” LED Tube by iLighting

iLighting supplied and installed 840 pcs LT high performance LED tube successfully to replace 2 x 58W T8 light box in one of the top class International school with its advantages of high energy saving and Luminous efficiency, long service life, excellent Color Rendering Index, no flicker, temperature cool. All indicators met the project acceptance standards after test. And compared with the original T8 lighting system, the lighting effects significantly improved both in anesthetic outlook and light quality. In addition, Life cycle maintenance cost is zero.



International School Campus



T8 Lighting before retrofit



Room 1203, 12/F Wang Lung Industrial Building, 11 Lung Tak Street, Tsuen Wan, Hong Kong.

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email: info@ilighting.com.hk



The lighting effect of after applying super bright LED lamp is natural with the saving of more than 60% energy.



Close look at the LED lights in Thorn Classical formulae One Light Box



Average lighting intensity at 2M from the light source is 492 LUX

Energy Saving Calculation

Power consumption of 840 pcs lighting before retrofit (2 x T8 58W) :

$$(58W + 8W) * 840 / 1000 KW = 55.4 KW$$

Power consumption of 840 pcs lighting After retrofit (2 x T8 LED 28W):

$$(28W * 840) / 1000 KW = 23.5 KW$$

$$\text{Power saved} = 55.4 KW - 23.5 KW = 32 KW$$

Operating hours of lighting in one year:

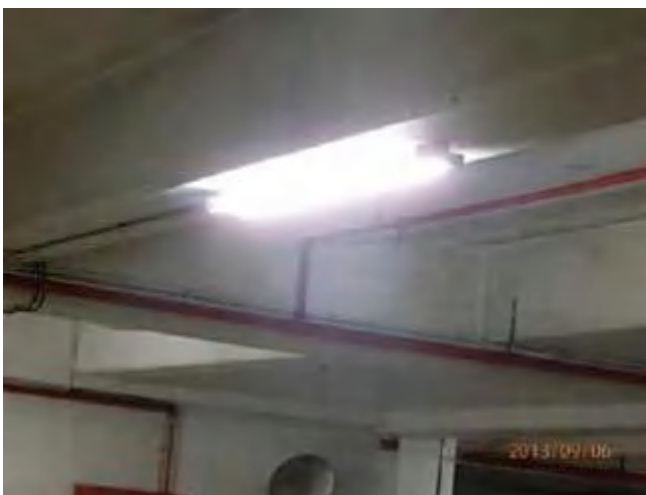
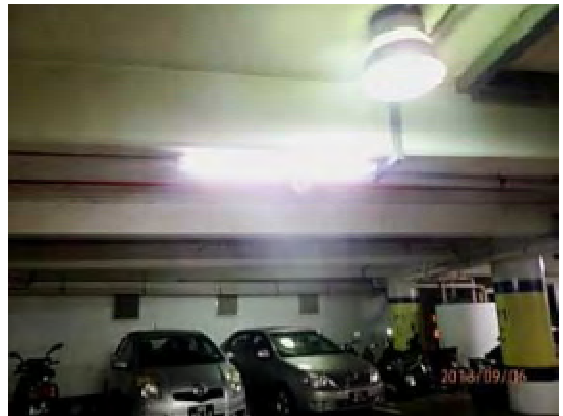
$$12 \text{ hours per day} * 365 \text{ days per year} = 4380 \text{ hours per year}$$

$$\text{Total energy saving per year} = 32 KW * 4380 = 140,160 KWHr$$

$$\text{Money saved per year} = 140,160 KWH * HK\$1.2 = \text{HK\$168,192.}$$

3.Macau Tower

iLighting is proud to supply 1800 pcs. special design LED tubes with beam angle 260 degree and 1950lm (lumen) to replace existing 36W fluorescent tube at Main Entrance and car park of Landmark of Macau - Macau Tower, sponsored by the Macau Government Environmental funding. The work was completed by end of August, 2013.





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T8 LED LIGHTING RETROFIT AT MACAU TOWER



iLighting is proud to supply 1200 pcs. special design T8 LED tubes with beam angle 260 degree and 1950lm (lumen) to replace existing 36W fluorescent tube at Main Entrance and carpark of Landmark of Macau - Macau Tower, sponsored by the Macau Government Environmental funding. The work was completed by end of August, 2013.

The lighting effect and quality were found superior to the existing fluorescent tubes. Currently 120 degree beam angle LED tube in the market cannot eliminate the dark area on the top of tube due to heatsink design. iLighting wide angled LED tube has overcome this problem and looks like 360 degree fluorescent tube lighting effect while the output lumen has been increased by 30% compared to 120 degree tube.

Macau Tower – The Landmark



Fluorescent Tube at the Main hall Ceiling before retrofit – less brighter, dark corners and edges at ceiling frame rim.



iLighting LED Tube at the Main hall Ceiling after retrofit – brighter and no dark corners and edges at the ceiling frame rim.



ilighting Global Enterprise Co. Ltd.

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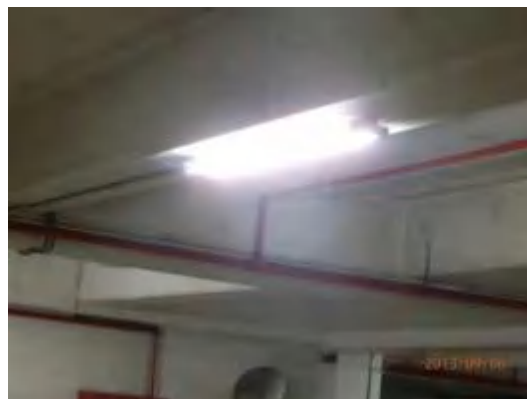
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iLighting LED Tube at the Carpark Floor – View 1

Note the wide angle effect of the light that shows no difference with the fluorescent tube in the scene (same light reflection on the ceiling without dark zone)

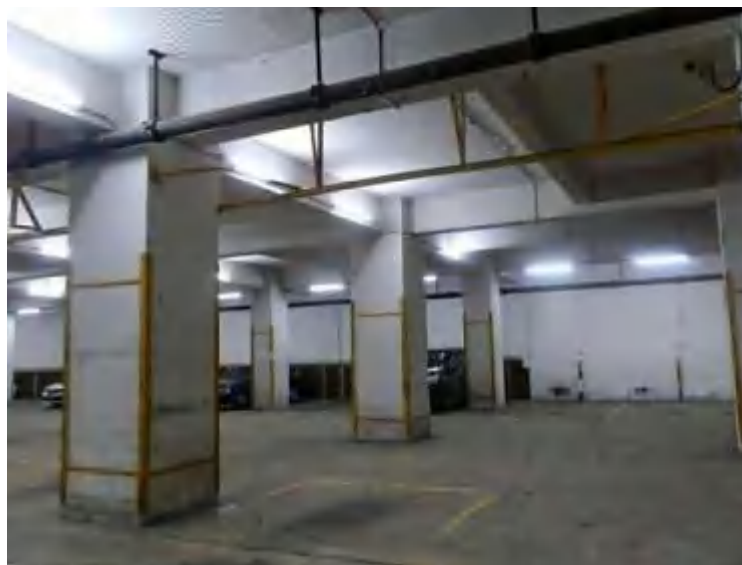


iLighting LED Tube at the Carpark Floor – View 2
Note the wide angle effect of the light that shows no difference with the fluorescent tube in the scene (same light reflection on the ceiling without dark zone)

4.Industrial Building

Bonsun Industrial Building is one of the industrial building at Tsuen Wan with initiative to achieve energy saving for the benefit of building owners and community by retrofitting the entire building by newly designed iLighting T8 LED tubes. Total 250 pcs T8 LED tubes installed with annual energy saving 57,540 KW/hr.

Light illumination intensity (Lux level per square meter area) increased by 15%.

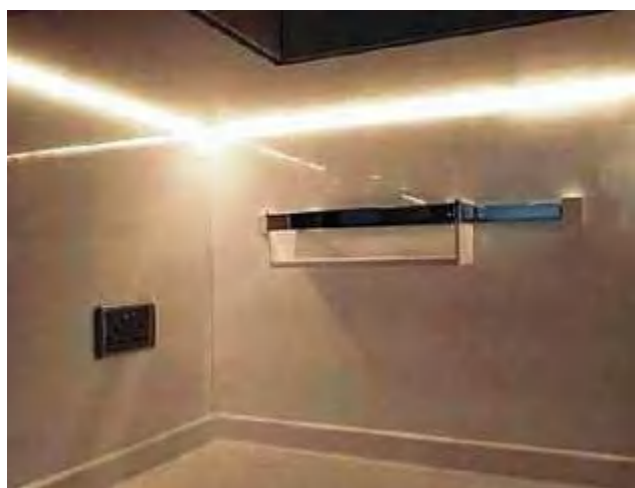
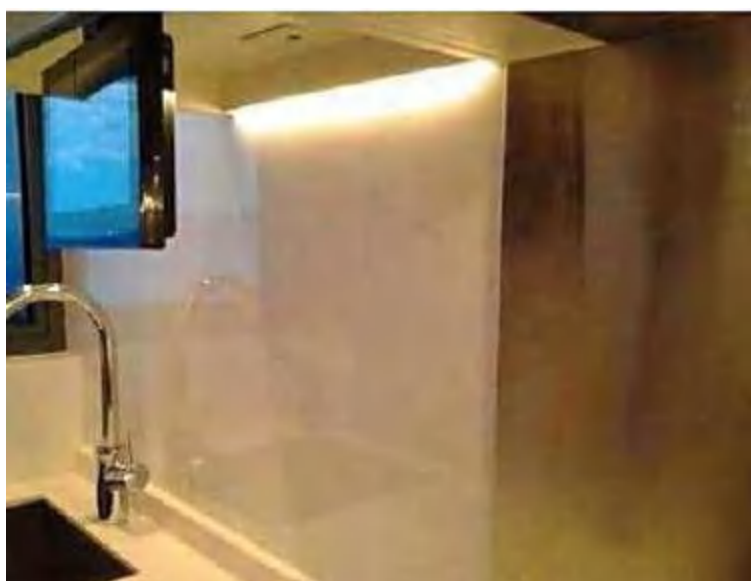


5.Double Cove Kitchen Cabinet Light

iLighting is proud to supply innovative design LED PVC strips 10mm x 10mm with warm white color tailored for the kitchen cabinet in the newly developed high class residential buildings at MA On Shan on August, 2013.

The lighting effect and quality were found superior to the light bar or light tapes in the market. No dots can be seen by direct illumination and reflected illumination and easy to install in the kitchen cabinet.

Length of the LED strips were tailored to customer requirement.





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LED Light Strip For High Class Residential Building



*iLighting LED Strip is patented,
full CE certified for both tube and
driver.*

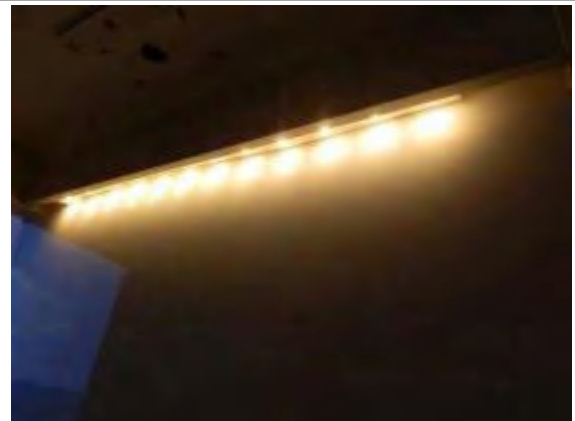
iLighting is proud to supply innovative design LED PVC strips 10mm x 10mm with warm white color tailored for the kitchen cabinet in the newly

developed high class residential buildings at MA On Shan on August, 2013.

The lighting effect and quality were found superior to the light bar or light tapes in the market. No dots can be seen by direct illumination and reflected illumination and easy to install in the kitchen cabinet.

Length of the LED strips were tailored to each cabinet sizes for different flats.

iLighting Light Strip Photo



Light Strip In the market with dots seen and less light intensity



iLighting Innovative Light Strip with dots unseen and excellent light intensity, providing good light



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reflection effect on the wall and cabinet table surface.



LED Light Tape by market supplier – dot seen and low light intensity.



iLighting Innovative Light Strip with dots unseen and excellent light intensity, providing good lighting effect on the cabinet wall and table surface.

6.HyD & EMSD Pilot Project

iLighting was invited by Highway Department to conduct a pilot project on LED lighting retrofit to footbridge of Hong Kong based on the government drafted specification on LED lighting. The monitoring period will be around 2 years from March, 2010.



HyD LED Lighting and Intelligent Control Pilot Project Report

iLighting was invited by Highway Department to conduct a pilot project on LED

lighting retrofit to footbridge of Hong Kong based on the government drafted

specification on LED lighting. The monitoring period will be around 2 years from

March, 2010.

First Phase:

1) Install LED tube to replace the existing fluorescent tubes in footbridge light fitting.

2) Monitor the performance of LED tube on LUX level, Color rendering , light decay for two years.

Second Phase:

1) Install intelligent lighting control system with PIR sensor for real time

monitoring and control by iPhone / iPad / Mobile utilizing the powerline and

GPRS technology on site and on the web.



**LED
Tube**

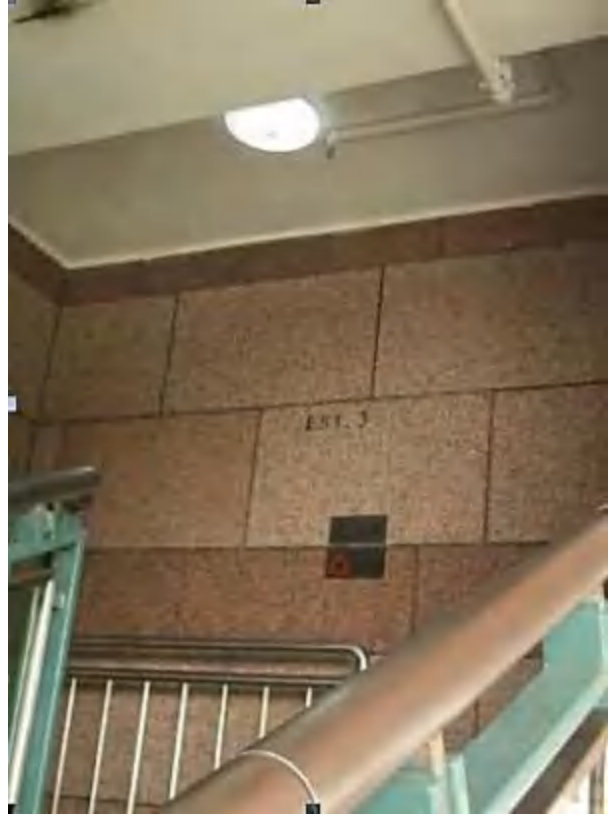
No difference in
appearance and
light effect is
better after site
measurement



**Fluorescent
Tube**

7. Peak Tower Staircase Lighting

iLighting Supplies sensor controlled 10W LED Circular lamp to replace 22W FL lamp at Staircase of Peak Tower HK for Hang Lung Real Estate Management to demonstrate the energy saving through lighting retrofit by LED with intelligent sensor control. Energy saving recorded up to 80%.





iLighting Product Co. Ltd.

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香港荃灣龍德街11號橫龍工業大廈12樓1203室

Tel.: 35863418

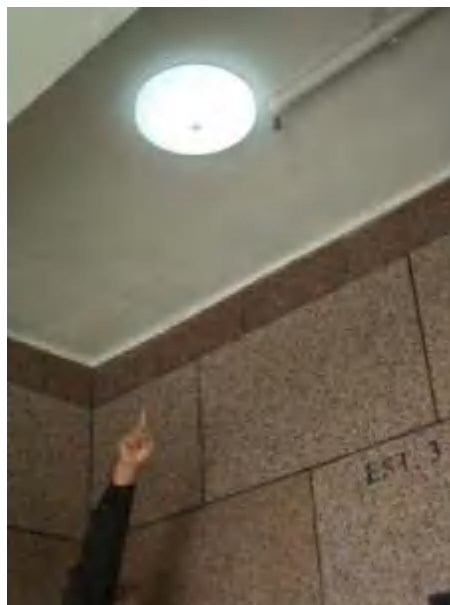
Fax.: 23212617

Email.: info@ilighting.com.hk

LED Circular Lighting Case – Hong Kong Peak Tower



LED Circular Tube c/w PIR sensor
Installed at EST 3 staircase



More closer View



Close Up View

iLighting Supplies sensor controlled
10W LED Circular lamp to replace 22W
FL lamp at Staircase of Peak Tower HK
for Hang Lung Real Estate Management
to demonstrate the energy saving
through lighting retrofit by LED with
intelligent sensor control.

Energy saving recorded up to 80%.

Installation date: Dec., 2009

8.WSD Plant Room Highbay Retorfit

iLighting supplied Long Life 200W Induction lamp to replace existing 400W HPS lamps at height about 10M level above ground. The retorifit had got satisfactory results with energy saving of 50% and light illumination level on ground floor increased to 100LUX more than before. The average LUX level on ground is about 350. /In addition, the color rendering had bee increased from 40Ra to 80Ra.





WSD Shatin Water Plant room High Bay Lighting Retrofit



Period Tested: May , 2011 to August, 2011



Lighting Condition Before Installation



Pump Room No.2

30 PCS High bay
Lighting 400W

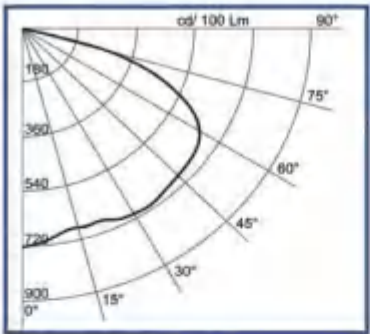
Replacement:
200W Induction
Lamp
Saving 200W

Requirement:
LUX level no less
than curent with
high CRI.

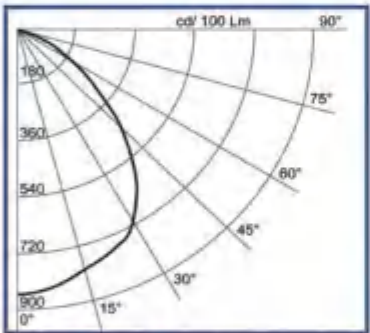
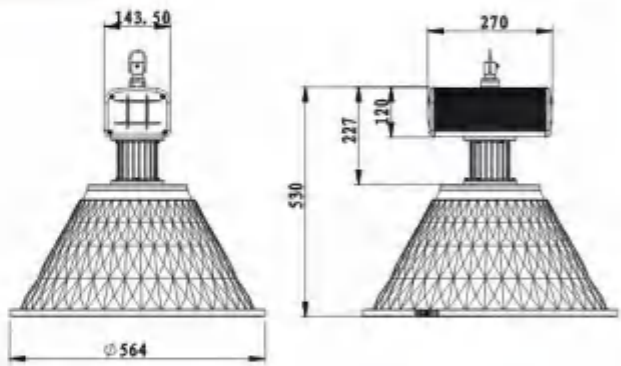
Selected Induction Highbay Lighting For Replacement

Induction High Bay Lighting

Model IL361
Aluminum Body
Power 80W ~ 200W

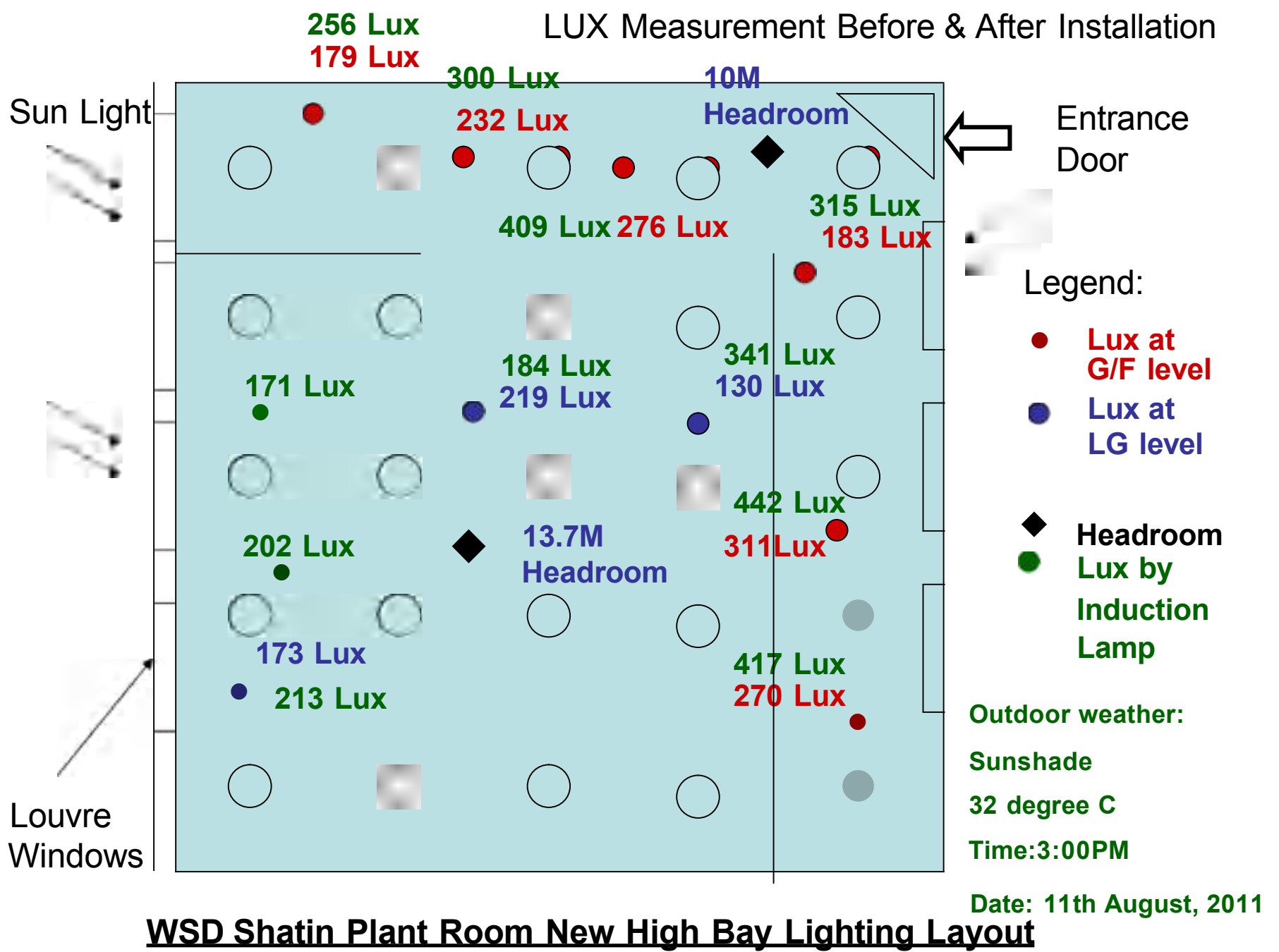


配光曲线 (灯座降低)



配光曲线 (灯座升高)





WSD Shatin Plant Room New High Bay Lighting Layout



Induction Lamp Test at Workshop Before Installation



Voltage	Current
Power	P.F.

Tester Display Data Format

Reading At Start Up

WSD Shatin Plant Room
Induction High Bay IL-361 Test



Reading at Half an hour Later Burn-in

Lamp Test Site (Source 1 M above Floor)



5520 LUX after Burn-in 30 minutes

4750 LUX at start up

**WSD Shatin Plant Room
Induction Highbay IL-361 Test**

9.Intelligent Lighting Control for Advertising Signage

iLighting was Invited to design and install intelligent lighting control and monitoring system for advertising signage at Causeway Bay, Hong Kong.

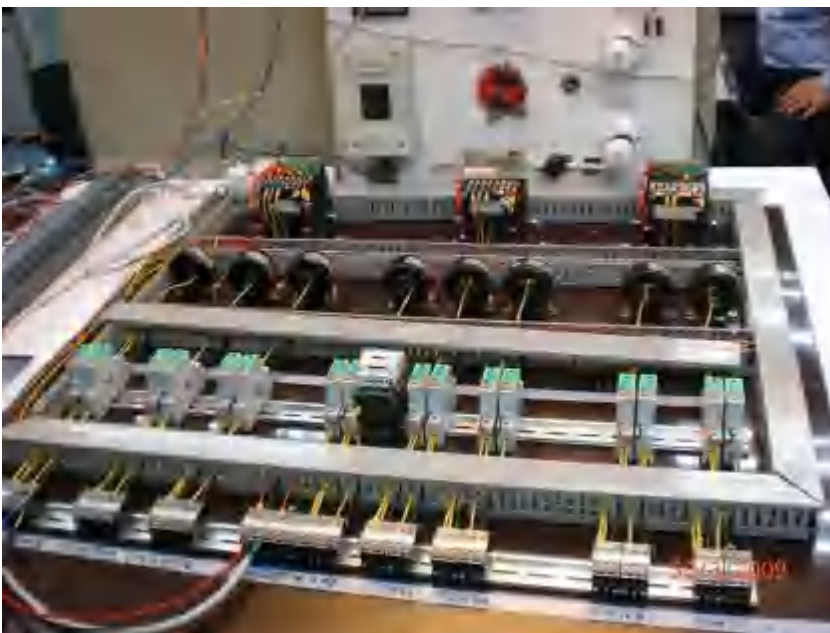
The aim was to investigate the possibility of setting energy management system for all the company signage distributed around HK, Kowloon and N.T. regions, monitored by head office at TST.



10.Ling O Nuclear Plant Street Lighting Control

iLighting designed and supplied 32 intelligent control station for street lighting monitoring and control system integrated to the central control system to achieve.

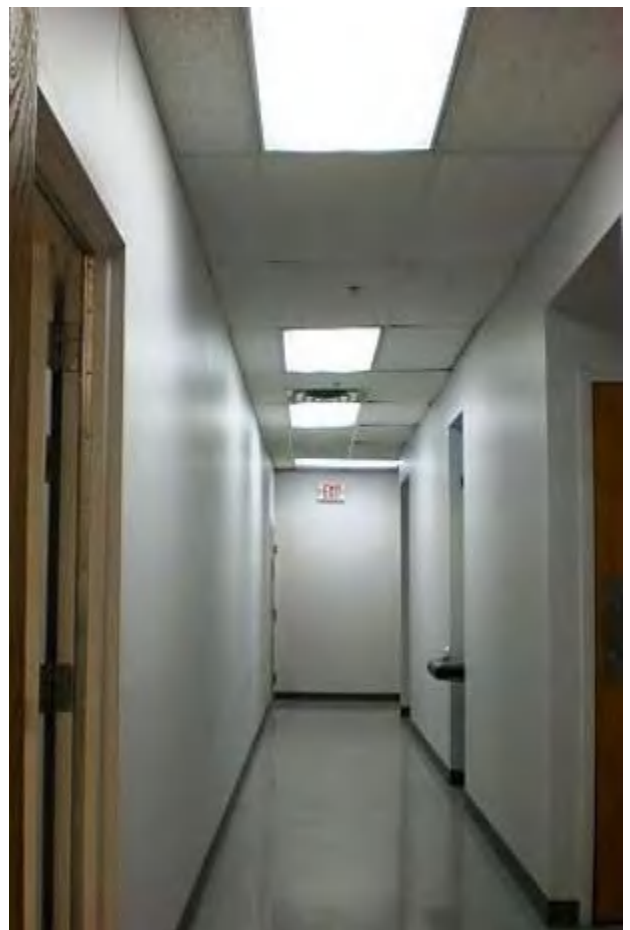
7x24 street light monitoring with Exhelon's iLON Smart Server.



11.Intelligent Lighting Control At NFF(US)

iLighting was invited to design and install intelligent lighting control and monitoring system at Pittsburgh NFF Office for Hong Kong Client, who monitored the energy consumption in Hong Kong far away from US vis the internet applying the US Series Energy Platform. Total 520 pcs. of iLighting LED tubes installed in the office building.





12. Energy Management Consultation at Miramar Hotel Hawaii, US.

iLighting Client intends to conduct an energy saving retrofit study to existing Miramar Hotel building at Hawaii, USA. This project will serve as a blue print for implementing energy saving retrofit for Non-government buildings of the Company Group if found feasible. It would also be possible to obtain rebate from US government if the energy saving target is achieved.



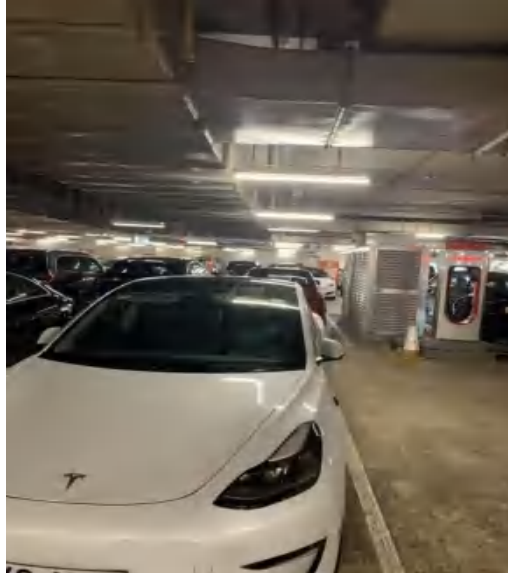
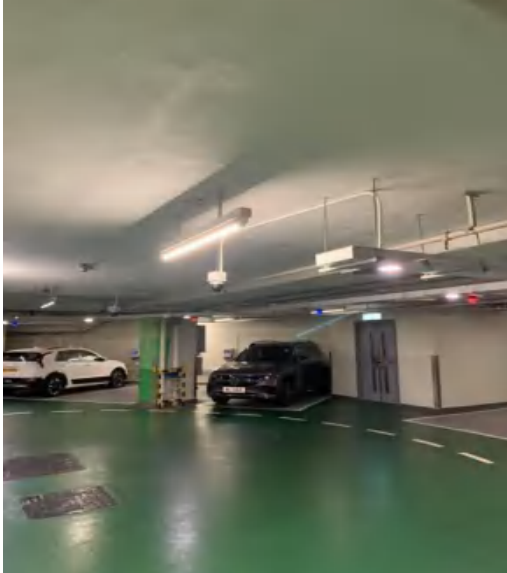
13 Festival Walk 改造專案

The following have been ordered

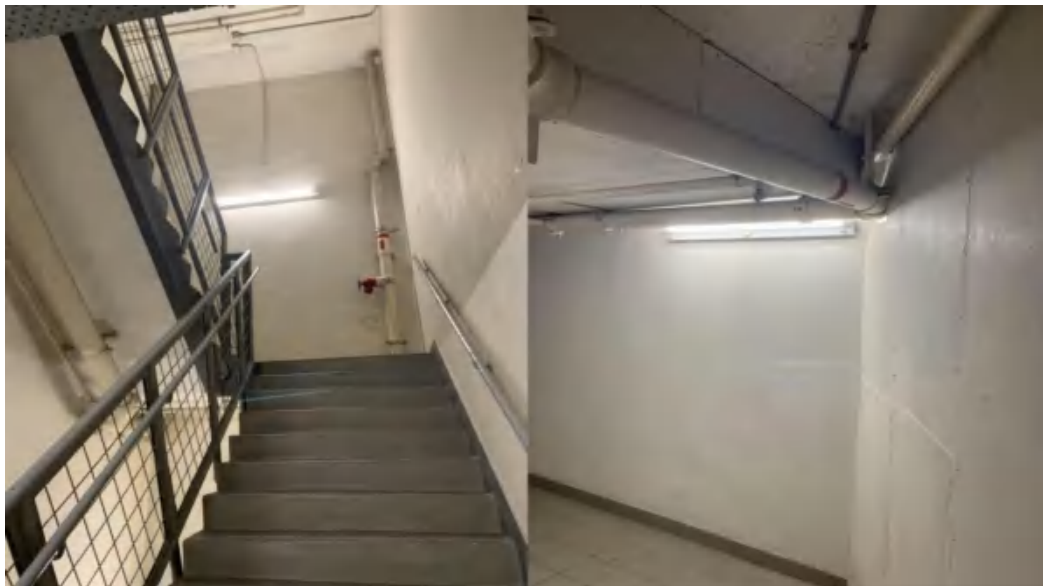
1.0.6M 8W PM tubes 150 pieces

2.1.2M 16W PM tubes 1800 pieces

1. Private car parking lot - 1.2M PM tube, in normal use, installed at a height of 2.4 meters. Generally, it can sense signals and trigger the light tube to light up fully within a range of 6 to 8 meters.



2. The rear staircase and passage - 0.6M and 1.2M PM tubes are in normal use. The installation height is 2-2.4 meters. Generally, within the range of 6-8M, the signal can be sensed and the light tube can be fully lit



Plan summary

The customer is very satisfied with the fact that the 0.6M and 1.2M PM tubes have achieved the expected energy consumption reduction under normal usage conditions.

14 HKE Parking lot renovation project

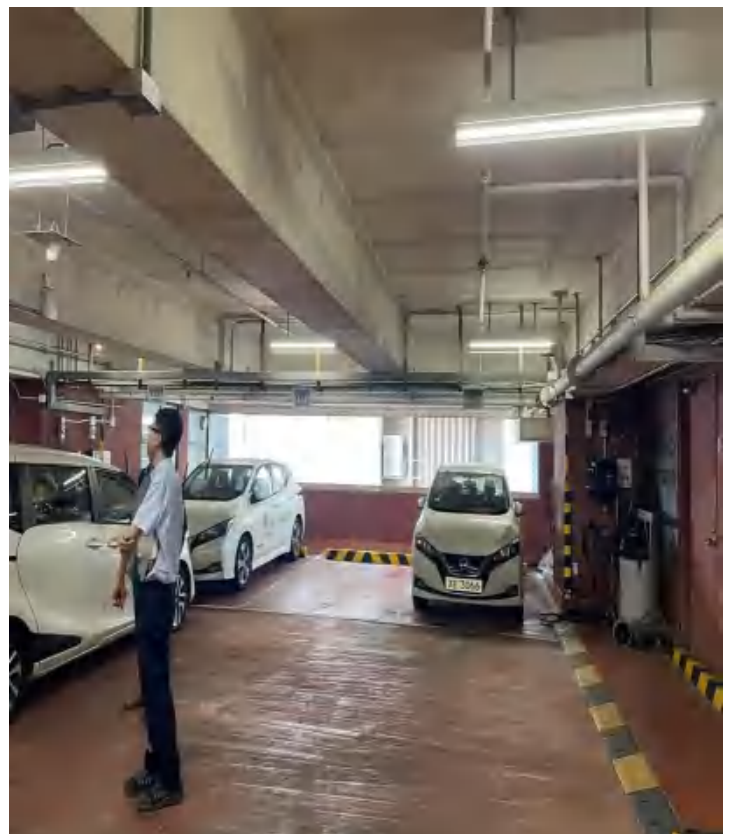
Order: Lamp Tube: LT-I1218-ML-T5G5 +Total controller, Quantity: 116+4

1. Modified materials: Original usage: Regular constant-lit T5/1.2m /28W fluorescent tubes, with high power consumption! Upgrade to the T5/1.2-meter /10W High Lumen LED sensor linkage type lamp tube.

2. Renovation pilot: Parking lots: 2nd and 3rd floors

3. Post-renovation situation: By upgrading to the T5/10W High Lumen LED interlocking tube +Total controller, it is set to full light 100% output during the day, and automatically switches to full light 100% output when the Microwave Sensor is present at night, and realizes interconnection between area tubes. The experience is extremely excellent! When no one is around, the 30% low power output achieves low-carbon energy conservation. The overall light efficiency is stronger than before the renovation, and the customer is very satisfied with the acceptance.

The following are the real scene pictures after the renovation:





15 Malaysia - Parking Lot Renovation Project

Order: T8 LED glass Tube 1.2M 10W 200lumen/W, Qty: 480pcs

Address: Taman Ria Jaya Light Industrial Park Sungai Petani, Kedah, Malaysia.

1. Before renovation: Original use: T8/1.2M Ordinary fluorescent tubes;

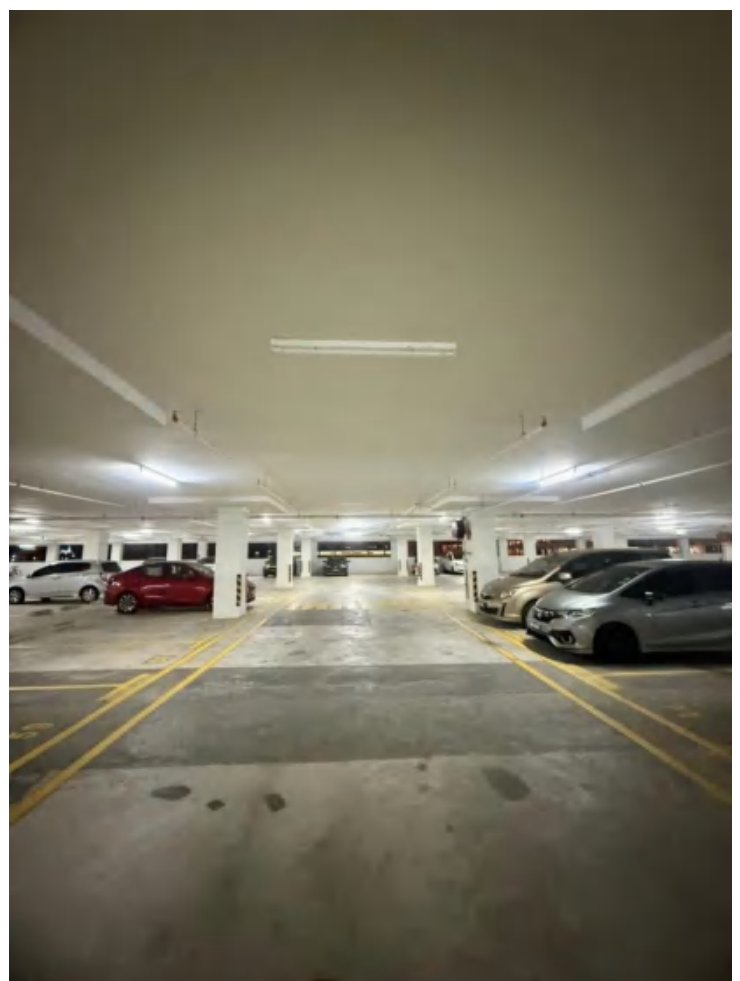
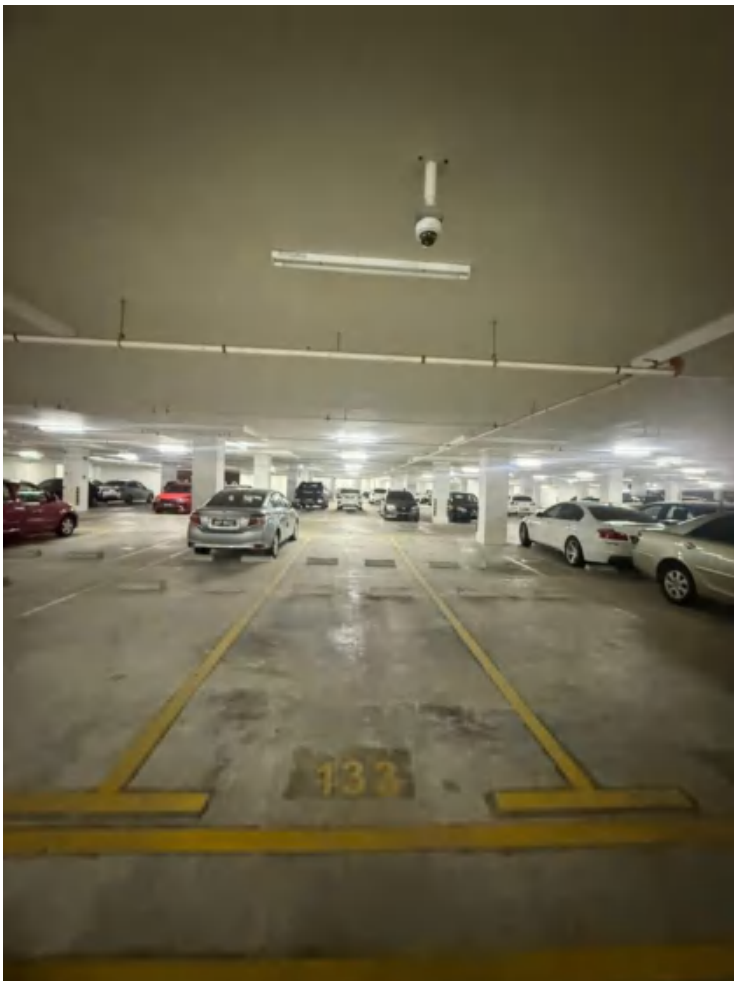
After renovation: Upgrade and use T8/1.2 Meter/10 W High Lumen LED

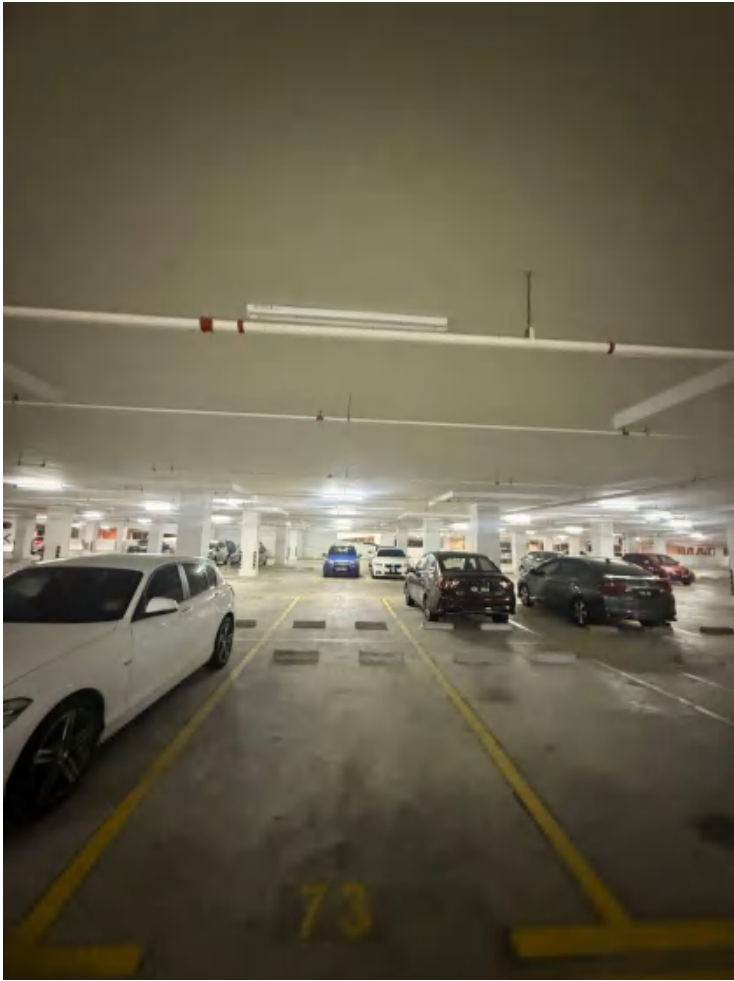
2. Location: Parking Lot

3. Post renovation situation: Upgraded to use T8/10W 200Lm/W High Lumen LED The lamp tube achieves a more energy-efficient mode even when it is constantly on, providing an excellent experience!

Low power and high light efficiency output can achieve low-carbon and energy-saving, and the overall light efficiency is brighter than before the renovation. The customer is very satisfied with the acceptance.

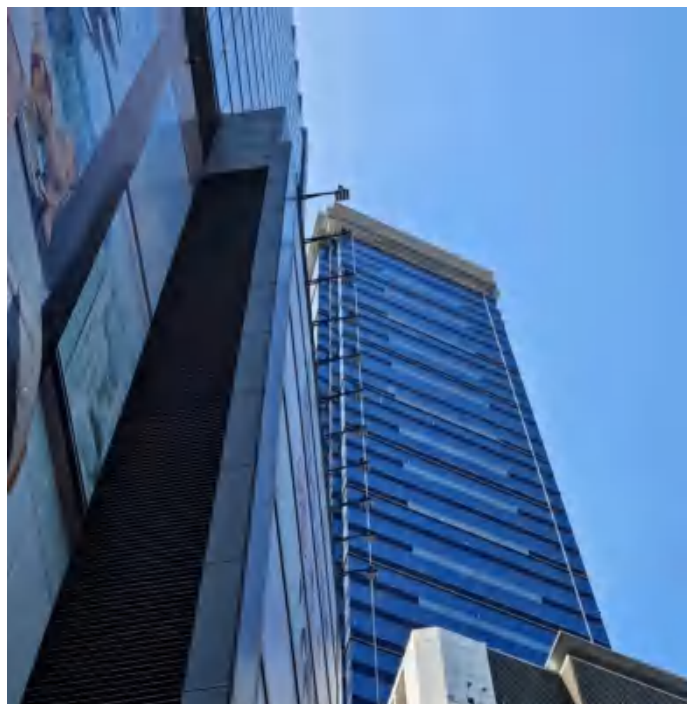
The following is a real-life scene image after the renovation:





16 LED Flood light Crocodile T-shirt Center Project

Product: LED Flood light 600W 84000lm 5700K IP67 30 lamps

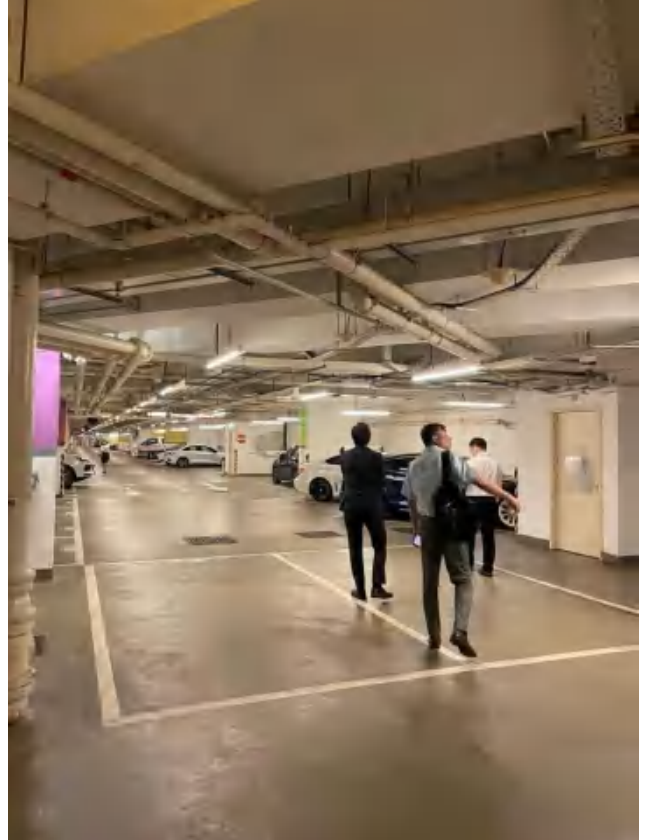


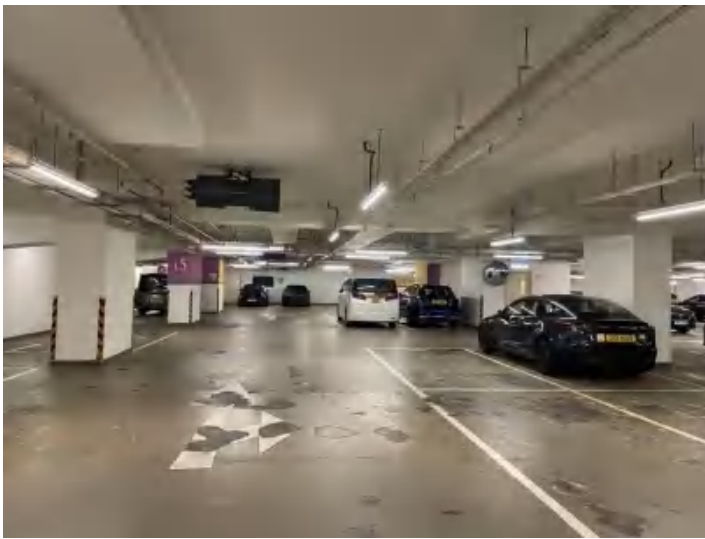
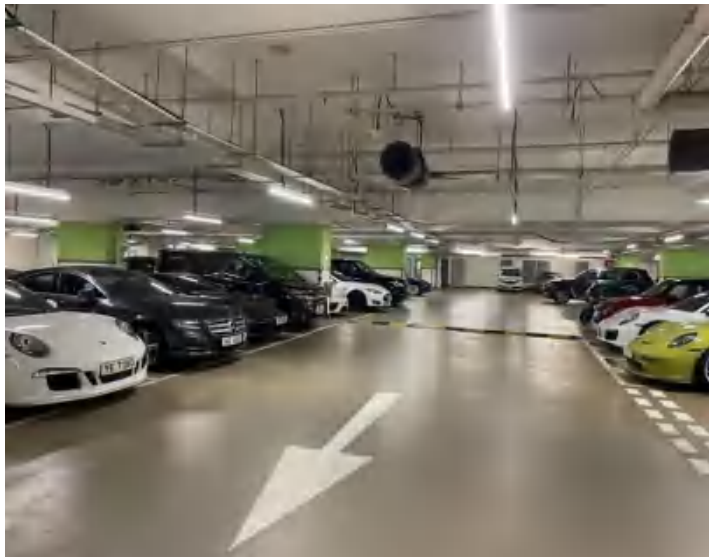
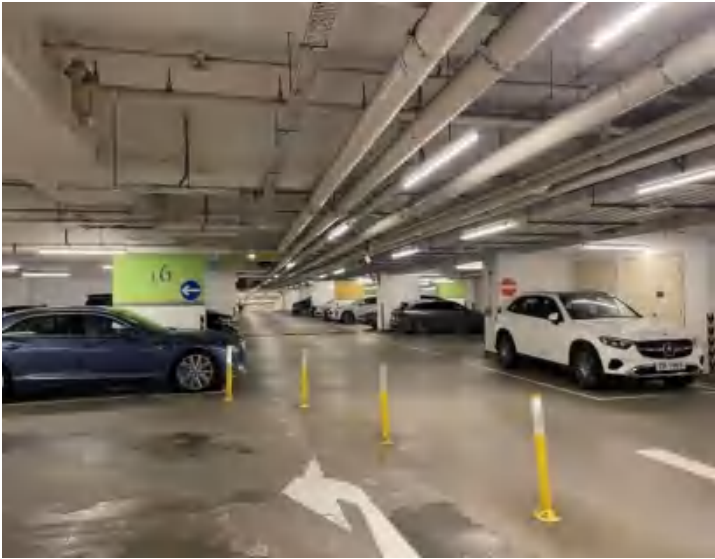


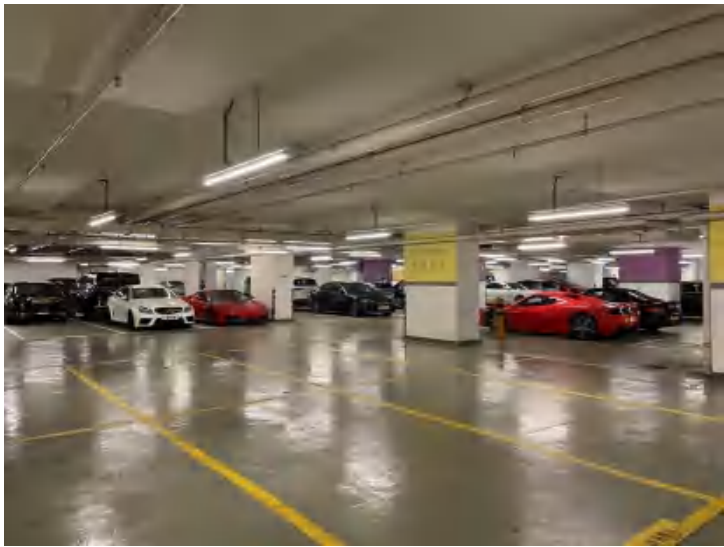
17. Residence Bel-Air

The application of sensor tubes in the back staircase and parking lot









18.La Cite Noble

Reference for the operation of sensor tubes in the back staircase and parking lot



