

FACADE LIGHTING INSTALLATION

## CHINA LIFE, AND CHEUNG KEI BUILDING

(formerly One Harbourgate)  
Hung Hom, Hong Kong

Completed:

China Life Center and Cheung Kei Center are Grade A office buildings situated in prime location of Hung Homs Harbourfront Promenade that enjoy panoramic views of Hong Kong's famous Victoria Harbour.

This commercial development consists of two 14-storey office buildings and two retail villas with total gross floor area of about 55,000 sq. m. The project includes schematic design, section 16 applications, design development and up to construction.

One HarbourGate has been certified with BEAM Gold rating and targets and LEED Gold rating by the U.S. Green Building Council.

Joinmax were awarded the “**FACADE LIGHTING CONTRACT**” to deliver the complete lighting systems with installation, and lighting effect programming. Unlike previous projects the two installations brought extra works in that the glass fins had to be removed. The fins were replaced with dynamic pixel controlled aluminum luminaires that projected graphics, animations and the two company logos.

<b>Owner</b>	Cheung Kei Group China Life Insurance (Overseas) Co. Ltd
<b>Architect</b>	Ronald Lu & Partners
<b>Facade Design</b>	PLP Architects
<b>Construction</b>	Hip Hing Construction Company Limited









The Facade Lighting Contract Works covered the two buildings with system design, supply and installation of the linear media lighting system.

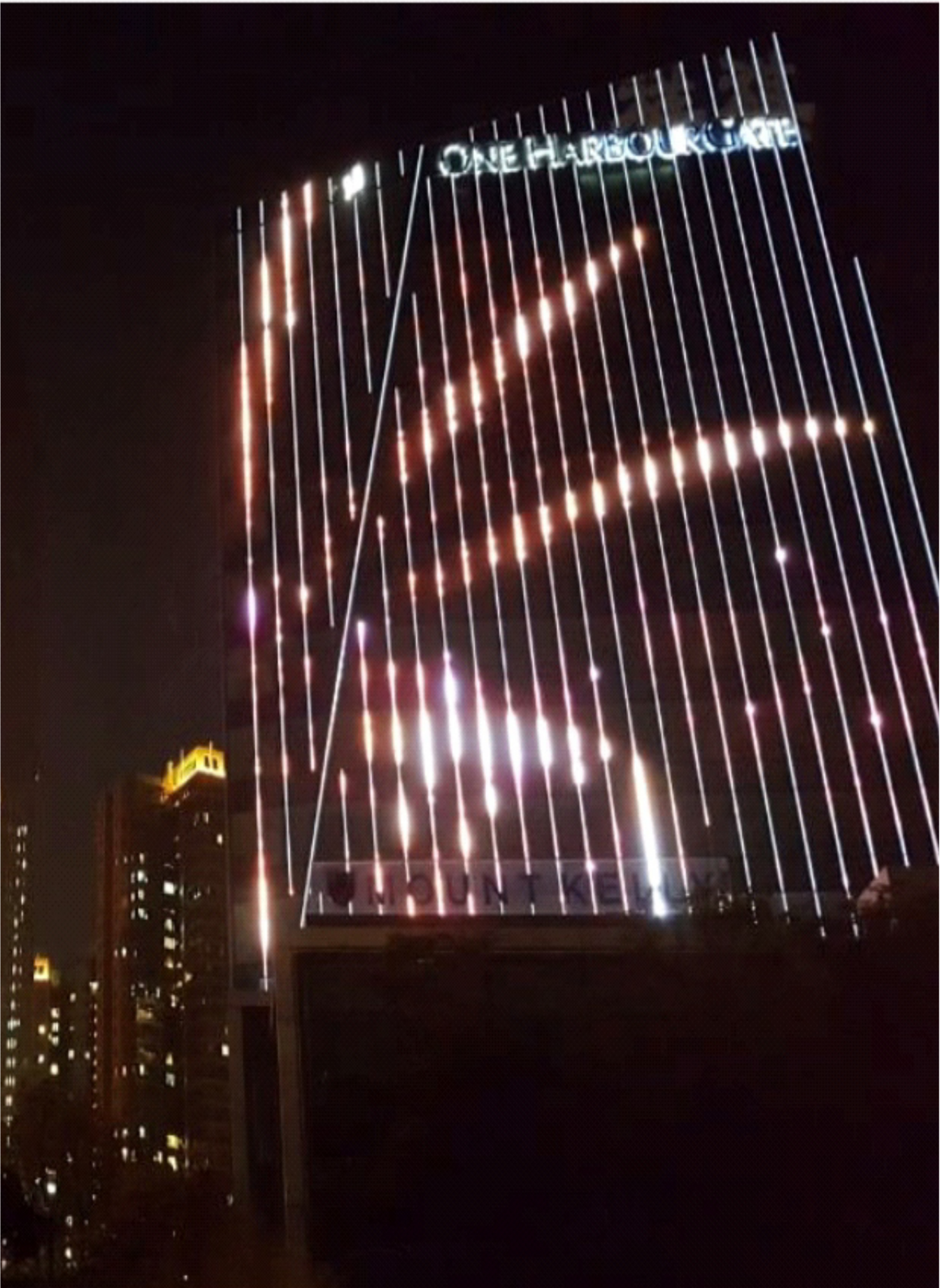










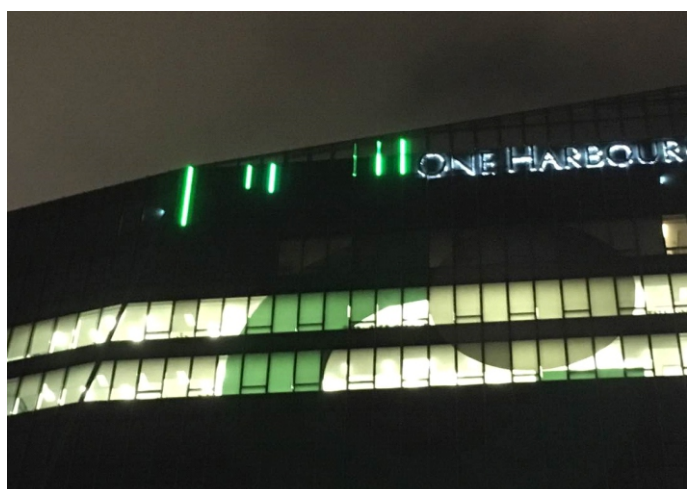
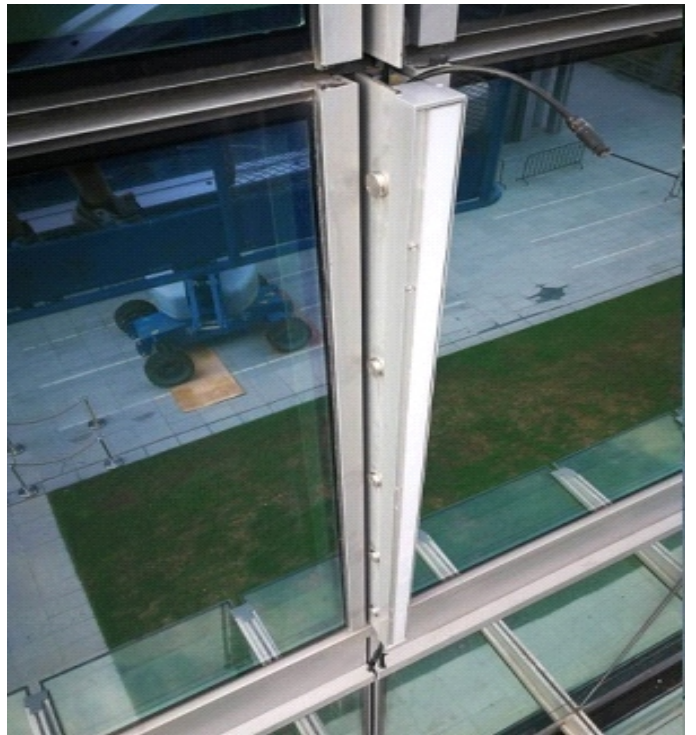


## PROJECT INVITATION

The Client invited several lighting company's including JOINMAX LIGHTING to participate in their One Harbourgate, Tower ARCHITECTURAL FACADE LIGHTING INSTALLATION. The Invitation added its own difficulties as the building and curtain glass wall had just been built.

Within the Invitation, a lighting design effect had been highlighted, along with a request for Tenderers to build their proposed lighting within a mock-up for review prior to award. Additional instruction was given that the lighting solution would not to disturb the buildings beautification.

With brief in hand Joinmax offered the Client a solution, and system works that would retain the buildings beautification, concealing light fixture installation and system cabling routing and connection. The proposal was to remove the original glass fins and replace them with aluminum fins, re attaching the proposed "fins, lighting solution and cable containment" back to the facade, providing a seamless installation detail.



## MOCK-UP PHOTOS

Top: removing of the facade fin

Middle: attached lighting solution

Bottom: mock-up comparison photo



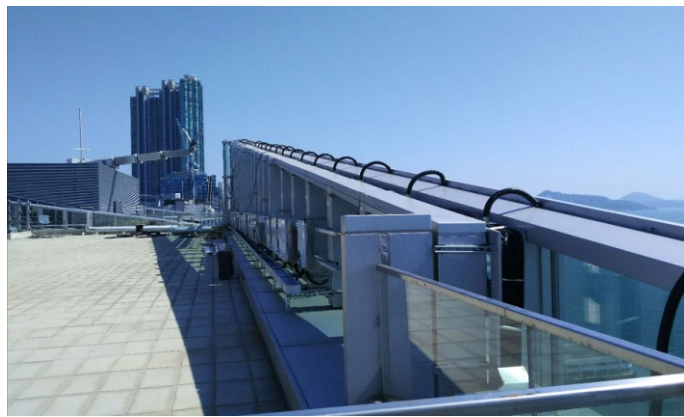
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### LIGHT FIXTURE INSTALLATION

The delivery and installation schedule was considerably tight in meeting the mid autumn festive holiday, originally the completion date was 6months, but with Building Department Submissions, the installation of both towers had to be completed in ONE month

Joinmax was responsible for the Supply and Installation and within contract was responsible to complete on time. In completing works Joinmax licensed two additional Gondolas, training their own project management and installers of operation.



### SYSTEM INSTALLATION

As the original build was completed, Joinmax were unable to enter the building, or make any further penetration from the facade, therefore designed a cabling system that enabled all system, control components and devices to be located at the roof.



### LIGHTING EFFECT PROGRAMMING

The original Invitation highlighted that the buildings would be synchronized, joined together, allowing the lighting effects to play across the buildings as a single graphic, animation, or video.

Upon completion, each Client asked that we lighting effects be separated that they could create their own corporate imagery, videos.



### INSTALLATION PHOTOS

Top: cherry picker, boom lift used for part installation

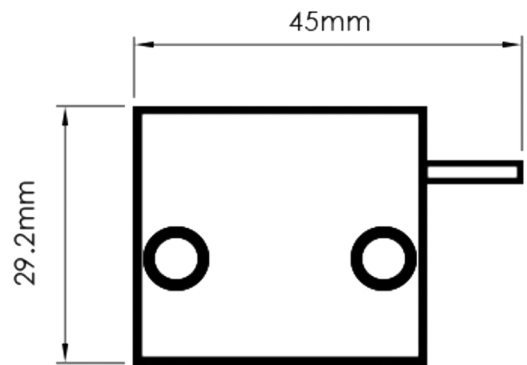
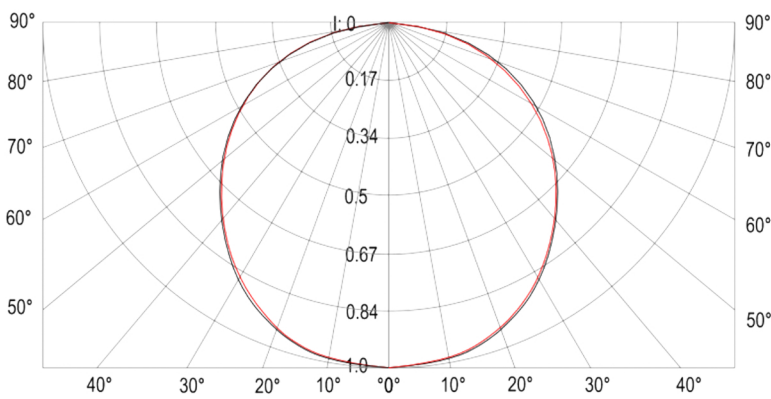
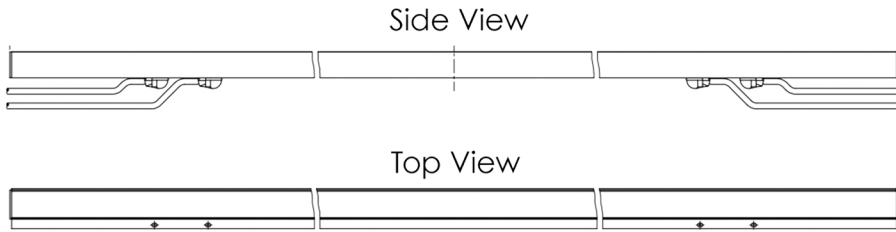
2nd: system equipment mounted at the roof

3rd: system equipment installation

Bottom: system equipment installation



## LIGHT FIXTURE & CONTROL



■ -0° Horizontal ■ -90° Vertical

Housing	
Dimension(L x W x H)	45mm x 29.2mm
Housing Material	Aluminum
Product Colour	Sliver / Naval Blue
Colour	RGB
IP Rating	IP65
Control Input/Output	DMX512
Brightness Level	256
Lumens Output	700lm
Pixel (1000mm)	8
Operating Temperature	-20°C To +50°C
Beam Angle	120°
Humidity	0~90% non-condensing
Power (1000mm)	28W
LED Brand	CREE
Voltage	DC24V to DC48V
Lifespan	50000hrs



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