

Chung Tai Chan Monastery

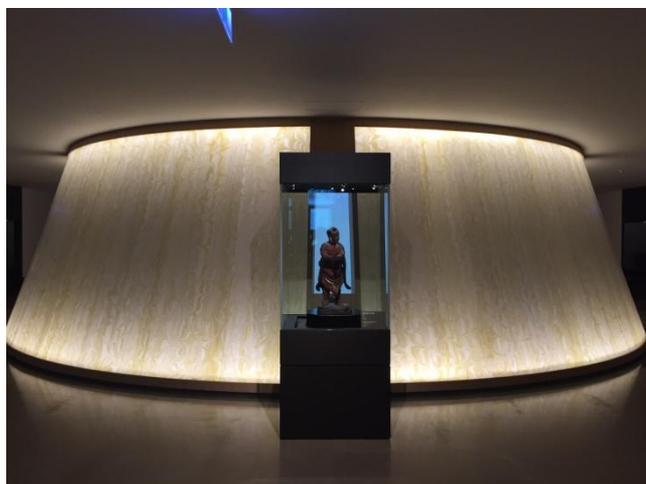


Chung Tai Chan Monastery (also known as Chung Tai Shan) is a Buddhist monastery located in Puli Township, Nantou County, Taiwan. The Construction was completed on September 1st, 2001. Upon its completion, Chung Tai Chan Monastery is the tallest and biggest Buddhist monastery in the world ever since, at 136 meters as measured to its top. With total floors of 37, it's the second tallest oriental Buddhist architecture (second only to Tianning Temple). It was also awarded the Taiwan Architecture Awards 2002 and IALD International Lighting Design Awards 2003, etc.

Chung Tai Museum, which opened on October 2009, is built right next to Chung Tai Chan Monastery. It applies Lite-Puter EDX lighting control system including 0-10V lighting fixtures, 0-10V wall washers, and traditional track lighting fixtures. The dimmers are EDX-F04R (4-channel leading edge/0-10V dimmers), panels are ECP-101 (lighting control panel). When it was under refurbishment in October 2015, they wanted to change the traditional track lighting fixtures in Chung Tai museum into LED track lighting fixtures. Lite-Puter worked with its supplier so that the latest ORBIT(PLC) LED lighting controllers can be put inside fixtures. Since the basic lighting fixtures and wall washers are still applying 0-10V, PL-CP607 (DMX/EDX/ORBIT(PLC) control panel) from Lite-Puter is the best solution for controlling all different kinds of fixtures.

List of models (Chung Tai Museum):

Model	Description
PL-CP607	DMX/EDX/ORBIT(PLC) Control Panel
PL-NF120	ORBIT(PLC) Filter
PL-LLB1X48-1050A	1CH 48V 1050mA CC Dimmer (Inside track light)
PL-LLB1X48-500A	1CH 48V 500mA CV Dimmer (Inside track light)





Chung Tai World Museum: In order to exhibit 1273 different kinds of rubbing of inscription and exclusive steles of Buddha, Chung Tai World Museum was built and opened in August 2016. There are three main themes in the museum. It has a total space of around 968,755 sq ft, and the museum itself occupied around 711,666 sq ft. of floor space. This oriental architecture applied western way of construction, which totally represents the spirit of traditional culture and Buddhist doctrine in an ageless way. The ORBIT(PLC) lighting control system has been chosen when building Chung Tai World Museum, and the selection of product includes MX-101 (ORBIT(PLC) Master), PX-220-1, PX-220-4 (2/4-channel ORBIT(PLC) Relay Module), PL-NF120 (ORBIT(PLC) Filter), and ORBIT(PLC) LED dimmers. Among all, PX-220-2 and PX-220-4 can be used for those basic lighting and outdoors lighting, which do not require dimming. By working with lighting fixture supplier, ORBIT(PLC) dimmers were installed inside lighting fixtures for controlling track lighting system. On the other hand, PONTUS and CERES series of dimmers are used for LED strip lights as indirect lighting.

List of models (Chung Tai World Museum):

Model	Description
MX-101	ORBIT(PLC) Master
PX-220-2	2-channel ORBIT(PLC) Relay Module
PX-220-4	4-channel ORBIT(PLC) Relay Module
PL-LA1X12-36-MAR	1CH 12V 36W CV Dimmer (MARS series)
PL-LA1X12-25-ODY	1CH 12V 25W CV Dimmer (ODYSSEY series)
PL-LA1X24-60U-PON	1CH 24V 60W CV Dimmer (PONTUS series)
PL-LA1X24-120-CER	1CH 24V 120W CV Dimmer (CERES series)
PL-LA1X24-240-CER	1CH 24V 240W CV Dimmer (CERES series)
PL-LLB1X48-1050A	1CH 48V 1050mA CC Dimmer (Inside track light)
PL-LLB1X48-500A	1CH 48V 500mA CC Dimmer (Inside track light)

Both Chung Tai Museum, which was refurbished, and Chung Tai World Museum, which was newly built, applied track lighting fixtures with ORBIT(PLC) dimmer inside. It brings out the uniqueness of each exhibit in the museum at its best advantage. Lighting for each exhibit must be able to be controlled individually. Traditional way to dim track lighting must be done collectively. ORBIT(PLC) enable you to control up to 96 channels with its own different address when only one power line is required. Both individual and broadcast control can be carried out on one track for different dimming outputs.



Wiring Diagram:

