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PRODUCT GUIDE 2018

Safety Lifting System





































Product range

Lighting Lifter





















Multi Contacts Lifter













Link Type Lifter







Smoke Detector Lifter







CCTV Lifter





RCU

RCU & SENSOR & WCP





Banner Lifter



Downlight Lifter

HSI-15C



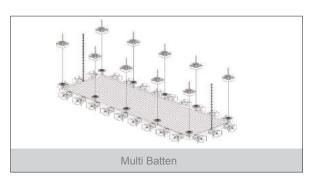
Grill Lifter



Batten Lifter







LED



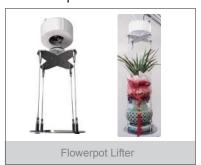














Total maintenance solutions for high ceiling installed equipment such as luminaries, lighting systems, CCTVs, smoke detectors, plug sockets, display banners and more.



No danger!

No risk of work in high places and prevent the accident could happen during maintenance.



No equipment!

No need of rent the lifting equipment to maintenance.



No electric shock!

No electric current during maintenance and no risk of electric shock.



Safe!

Prevention of falling accident. High place work

-> Ground work



Save cost!

No need a shutdown of operation.

Equipment rental fee saving. Energy saving.



Fast!

Shortened maintenance time. Immediately checking in case of necessity.

Safety Technics of Lifting system



Locking Device

In the combined state, locking device can withstand up to 1000kgs. So that tension is not caused on the wire and the lighting is not falled.



Electric contacts

The circular contact has a large surface area and a indiviual elasticity so that electric current flow is very exellent.



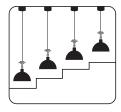
Detect no load

If lifter detects no load by lighting fixture reaches on the ground or hanged to obstacle, lifter stops operation automatically.



Detect over load

If lifter detects over load by lighting fixture hanged to obstacle, lifter stops operation automatically.



Auto stop function

Lifter can adjust the lowering height. If the lowering height was set by RCU, lifter always stops at set height automatically.



No spark!

Even though the lighting is lowering in the state of lighting is turned on, the spark is not caused on the contacts of lifter.



Detect overheat

If lifter is overheated by repeat operation, lifter checks temperature of motor and stops operation automatically.



Detect of ascend stop

If the lower part reaches at the upper part and is combined, lifter stops operation automatically.



Control Device.....

Lifting system is controlled by manual panel or wireless control unit as below.

One RCU can control 1 million of lifters. Mini RCU is suitable for home because it can control 1 lifter. But if transmission method of mini RCU is infrared rays, mini RCU can control many lifters.

Remote Control Unit



Transmission method	RF FM
Frequency	433.9200MHz
Output	10mW
Transmission length	within 100m
Control capability	1,000,000 EA
Power	4.5V(AAA x 3)

Individual control mode

- Lamp ON/OFF
 - Check usage time of Lamp
- UP & DOWN control Check roundtrip times number
- Lowering height setting

Group control mode

- Lamp ON/OFF
- UP & DOWN control
- Whole control mode
 - Lamp ON/OFF

Mini RCU

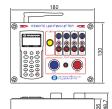


Transmission method	Infrared Rays	Transmission method	RF FM
Frequency	-	Frequency(only RF)	433.9200MHz
Output	10mW	Output	10mW
Transmission length	6~7m	Transmission lenghs	within 100m
Control capability	many	Control capability	1 EA
Power	3.0V(AAA x 2)	Power	3.0V(AAA x 2)

Wireless Panel



Transmission method	RF FM
Frequency	433.9200MHz
Output	10mW
Transmission length	within 100m
Control capability	1,000,000 EA
Power	AC220V



WP is attached on the wall Has same function with RCU No risk of lost.

4 Group On / Off

Whole lighting On / Off Easy and Convenient



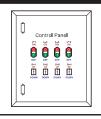
Motion Detect Sensor

Transmission method	RF FM
Frequency	433.9200MHz
Output	10mW
Transmission length	within 100m
Control capability	1,000,000 EA
Power	AC220V

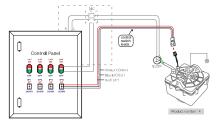
Sensor detect motion of person and turn on the lighting or turn off the lighting.



Wire Control Panel

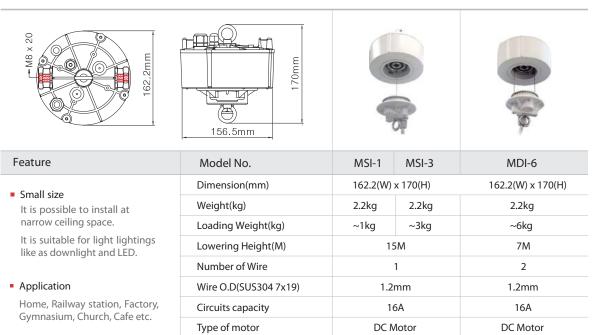


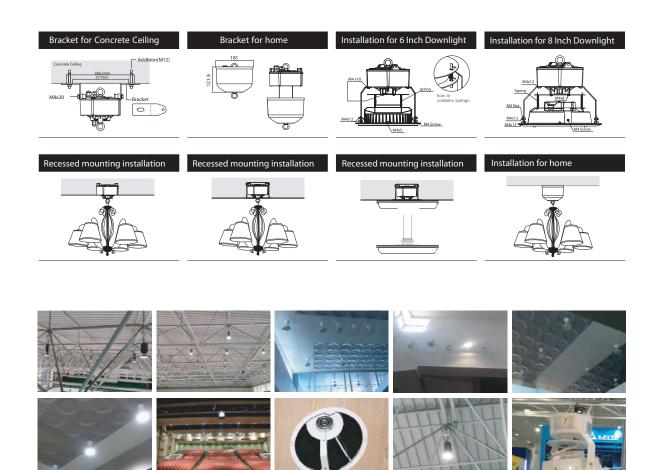
Transmission method	Signal by wire		
Dimension	500 x 600 x 180		
Color of panel	MUNSELL No. 5Y 7/1		
Thickness of panel	1.5T		
Input Power	AC 380V, 3 Phase		
Operation Power	AC220V		



Panel size can be different along the installation place.

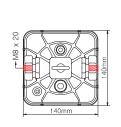


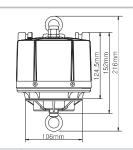






Compact type









The most popular model It is designed compact

It is suitable for light lightings like as downlight and LED.

Application

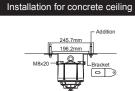
Feature

Gymnasium, Factory, Church, Railway station, Cafe etc.

Model No.	CSI-12	CDI-15		
Dimension(mm)	140(W) x 140(D) x 216(H)			
Weight(kg)	3.1kg	3.13kg		
Loading Weight(kg)	3~10kg	3~15kg		
Lowering Height(M)	15M	10M		
Number of Wire	1	2		
Wire O.D(SUS304 7x19)	1.4mm	1.2mm		
Circuits capacity	16A	16A		
Type of motor	DC Motor	DC Motor		









Installation	for	H-beam

Installation for Pipe

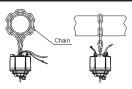
Installation for Raceway

Installation for Pipe

















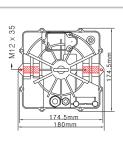


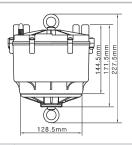






Hook type



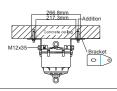


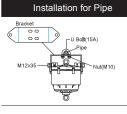


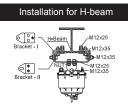


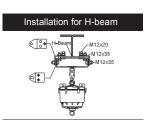
Feature	Model No.	HSI-18	HDI-25
 Designed model at first This model is developed at first and suitable for middle weights lightings like as HID and chandelier. 	Dimension(mm)	175(W) x 175(D) x 228(H)	
	Weight(kg)	6.53kg	6.62kg
	Loading Weight(kg)	3~15kg	6~25kg
	Lowering Height(M)	15M	10M
	Number of Wire	1	2
Application	Wire O.D(SUS304 7x19)	2.0mm	1.6mm
Gymnasium, Factory, Church, Railway station, Airport etc.	Circuits capacity	16A	16A
	Type of motor	AC Motor	AC Motor





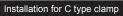


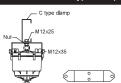




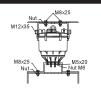




























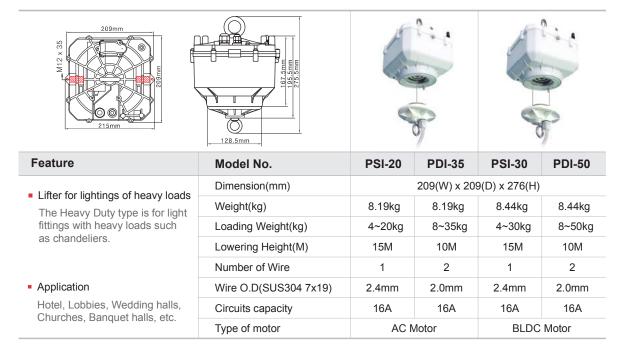


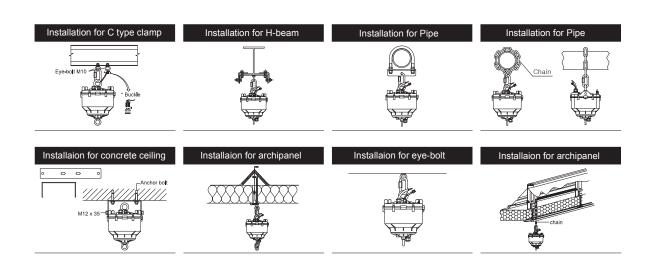


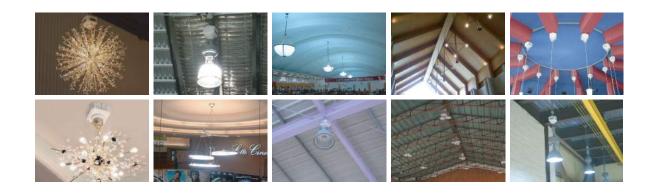


Heavy Duty type

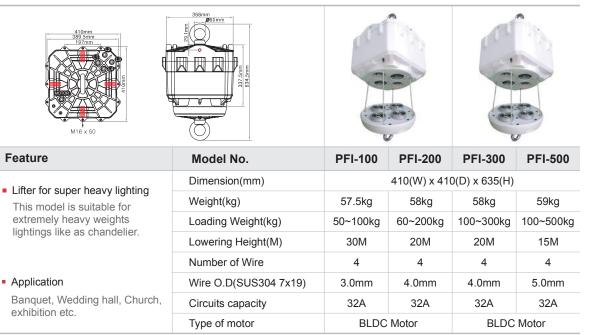


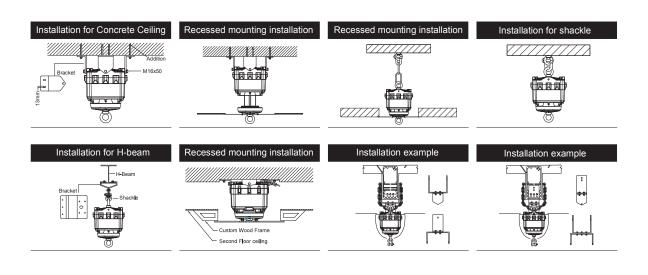


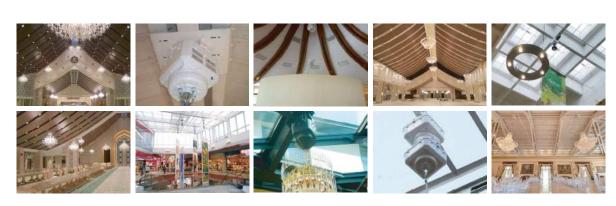




Super Heavy Duty type







Multi Contacts type

Contacts

Single wire: 8 contacts
Double wire: 6 contacts

Application
 Camera, Speaker,
 DALI system,
 Lighting fixture, etc.



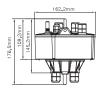






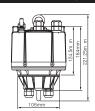
Model No.	MSI-5M	MDI-9M	CSI-12M	CDI-15M	HSI-18M	HDI-25M	PSI-20M PSI-30M	PDI-35M PDI-50M
Dimension(mm)	162(W) x	176.5(H)	140(W) x 140	O(D) x 221(H)	175(W) x 17	5(D) x 251(H)	209(W) x 209	9(D) x 298(H)
Weight(kg)	2.2kg	2.2kg	3.1kg	3.13kg	6.53kg	6.62kg	8.19/8.44kg	8.19/8.44kg
Loading Weight(kg)	1~5kg	2~9kg	3~10kg	3~15kg	3~15kg	6~25kg	4~20/30kg	8~35/50kg
Lowering Height(M)	15M	7M	15M	10M	15M	10M	15M	10M
Number of Wire	1	2	1	2	1	2	1	2
Wire O.D(SUS304 7x19)	1.2mm	1.2mm	1.4mm	1.2mm	2.0mm	1.6mm	2.4mm	2.0mm
Circuits capacity	16A	16A	16A	16A	16A	16A	16A	16A
Type of motor	DC N	Motor	DC N	∕lotor	AC I	Motor	AC/BLDC	AC/BLDC

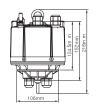
Dimension - Mini Type



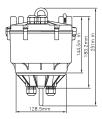


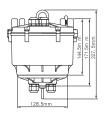
Dimension - Compact Type



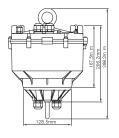


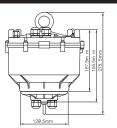
Dimension - Hook Type





Dimension - Heavy Duty Type





8 Contacts



- SPARE
- 2 --- SIGNAL 1
- **⊙** SIGNAL 2
- 4 --- SIGNAL
- 6 SIGNAL 4
- EARTH(GREEN/YELLOW)
- POWER(Û BROWN COLOR)
- POWER(N BLUE COLOR)

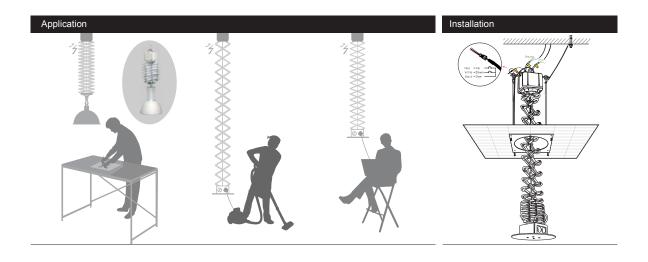
6 Contacts



- POWER(N BLUE COLOR)
- 2 ---- POWER(Û BROWN COLOR)
- SIGNAL 1
- 4 SIGNAL 2
- SIGNAL 3
- 6 SIGNAL 4

















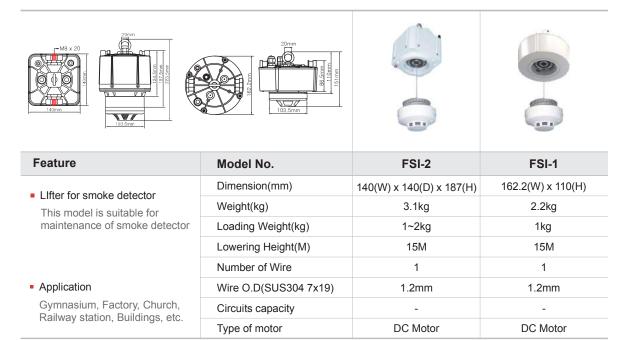


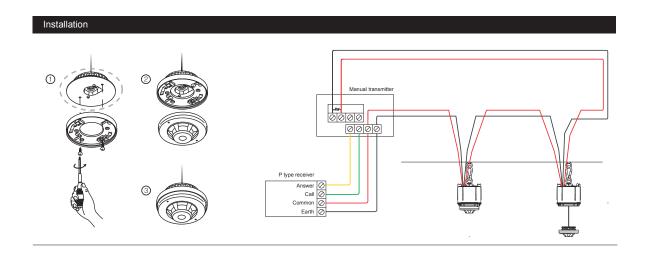




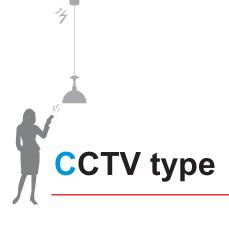


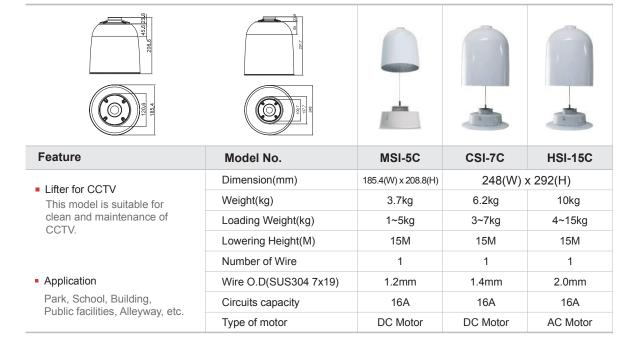
Smoke Detector type



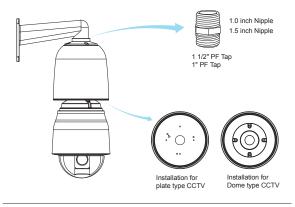












Why is the CCTV Lifter needed?

For clean lense of CCTV
 Have a clear sight at all times, because clean the lense of CCTV by the CCTV Lifter.





Safe to maintenance of CCTV
 Don't need to climb up high place. Can clean or maintain the CCTV safely on the ground.











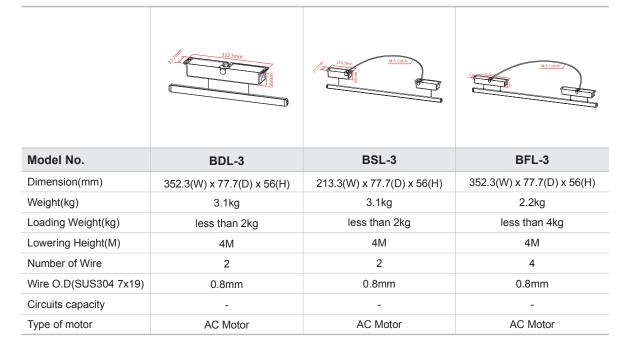


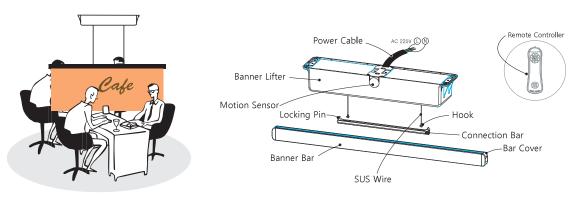






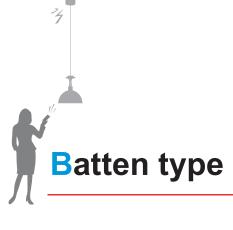
Banner Lifter & Partition Lifter

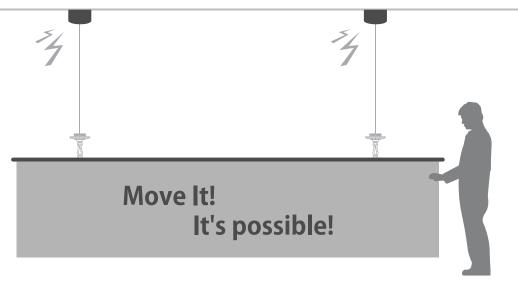




Function

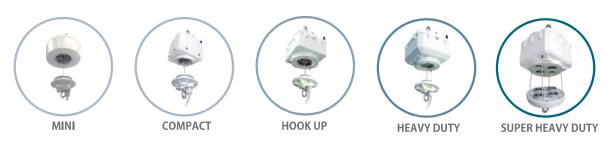
- Setting function of adjustable lowering height
 - Press "Stop Button" () 10 times shortly then bar is moved making a 'dick' sound.
- 2 Adjusting function of bar ballance
 - Press "Stop Button"() 10 times shortly then bar is moved making a 'dick' sound.
 - Adjust ballance of bar with "Up Button(▲)" or "Down Button"(▼).
 - Press "Stop Button"(■) 1 time.
- **3** Setting function of lowering time(Only Banner Lifter)
 - Press "Stop Button"() 10 times shortly then bar is moved making a 'dick' sound.
 - Whenever press "ON Button" (on), operating time goes on increasing per second.

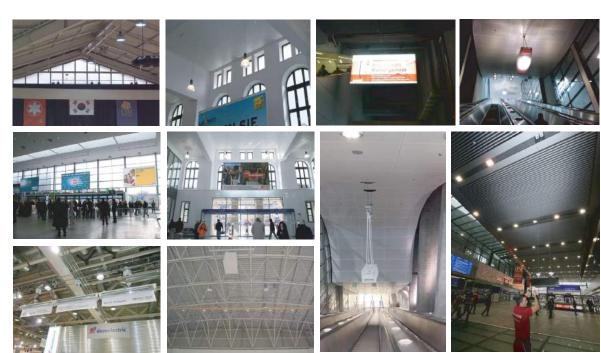




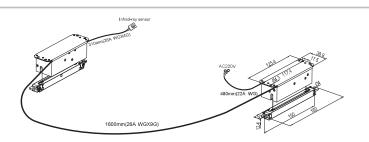
Batten type synchronizes two lifters so that the two lifters operate at the same time.

Batten type generally applied to promotional placards, hanging screens and stage lighting to be located at high place such as gymnasiums, performance halls and convention centers.





Grill Lifter

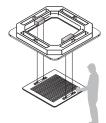




The Grill Lifter is ascend and descend product for filter of ceiling air conditioner.

If there is accumulated dust on the filter, efficient of air conditioner goes down and can be breakdown so that need to clean the filter once on 2~3 month.

Grill lifter helps clean of fiter safely and conveniently.



Model No.	GFL-3
Dimension(mm)	126(W) x 40(D) x 36(H)
Weight(kg)	0.5kg
Loading Weight(kg)	2kg
Lowering Height(M)	4M
Number of Wire	2
Wire O.D(SUS304 7x19)	0.8mm
Circuits capacity	0.6A
Type of motor	DC Motor

The Grill Lifter is suitable in various places such as class rooms, banquet halls, malls, restaurants, hotels, apartments, office, public places and more.

- 1. Energy Saving(30% over)
- 2. Prevent dust disease such as allergies, respiratory problems.
- 3. Secure Safety(Grill cleaning on the ground)
- 4. Effect of the air cleaner
- 5. Prevention of air conditioning failure
- 6. Combined remote controller and switch operation
- 7. High level of space occupancy
- 8. Easy to install







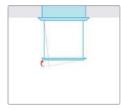




Applicable to exiting brands such as SAMSUNG, LG, TOSHIBA and others.

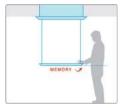
Main Function

Lateral horizontal maintain



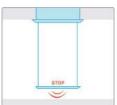
The lifters synchronize each other making sure the grill remains horizontal during ascend and descend.

Adjustable lowering height



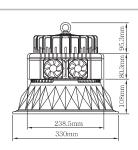
If the adjustable lowering height is preset, the grill will always automatically stops at the preset position.

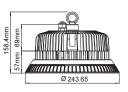
No-load detection



The lifter is designed to stop when obstructed or reaches the ground.

LED Lighting





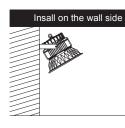




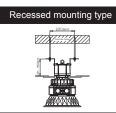


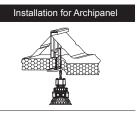


Feature	Model No.	RT-LED200	RT-LEDN200	
 LED Lighting Energy saving Environmental friendly product Maintenance costs cutting Convenient 	Dimension(mm)	330(W) x 285(H)	244(W) x 158(H)	
	Weight(kg)	5.7kg	3.1kg	
	Power consumption	200W	200W	
	Power factor	0.99	0.96	
	Total flux	18551lm	24893lm	
Application	Color temperature	5728K	5656K	
Gymnasium, Factory, Warehouse, airport, etc.	Color rendering index	79	77	
vvarenouse, anport, etc.	Input power	220V / 60Hz	220V / 60Hz	





























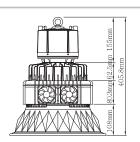


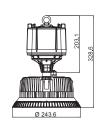






LED + Lifter(combined model)









Feature Model No. CSI-7L CSI-LN200 Dimension(mm) 244(W) x 329(H) 330(W) x 406(H) Combined model 8.8kg Weight(kg) 6.2kg LED + Lifting system This products are economic Loading Weight(kg) 3~7kg 3~7kg and safety for maintenance of 15M Lowering Height(M) 15M lightings Number of Wire Application Wire O.D(SUS304 7x19) 1.4mm 1.4mm Gymnasium, Factory, Circuits capacity 16A 16A Warehouse, Airport, etc. Type of motor DC Motor DC Motor

Combination of LED and Lifter

Bracket for Concrete Ceiling

Installation of angle type

Installation of angle type





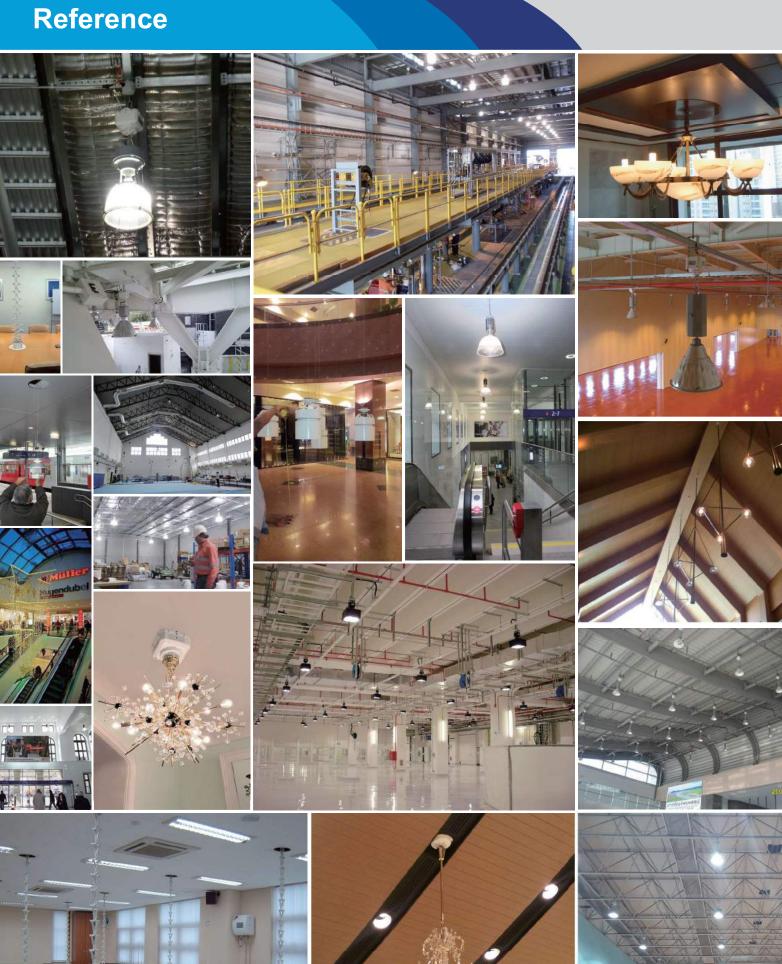


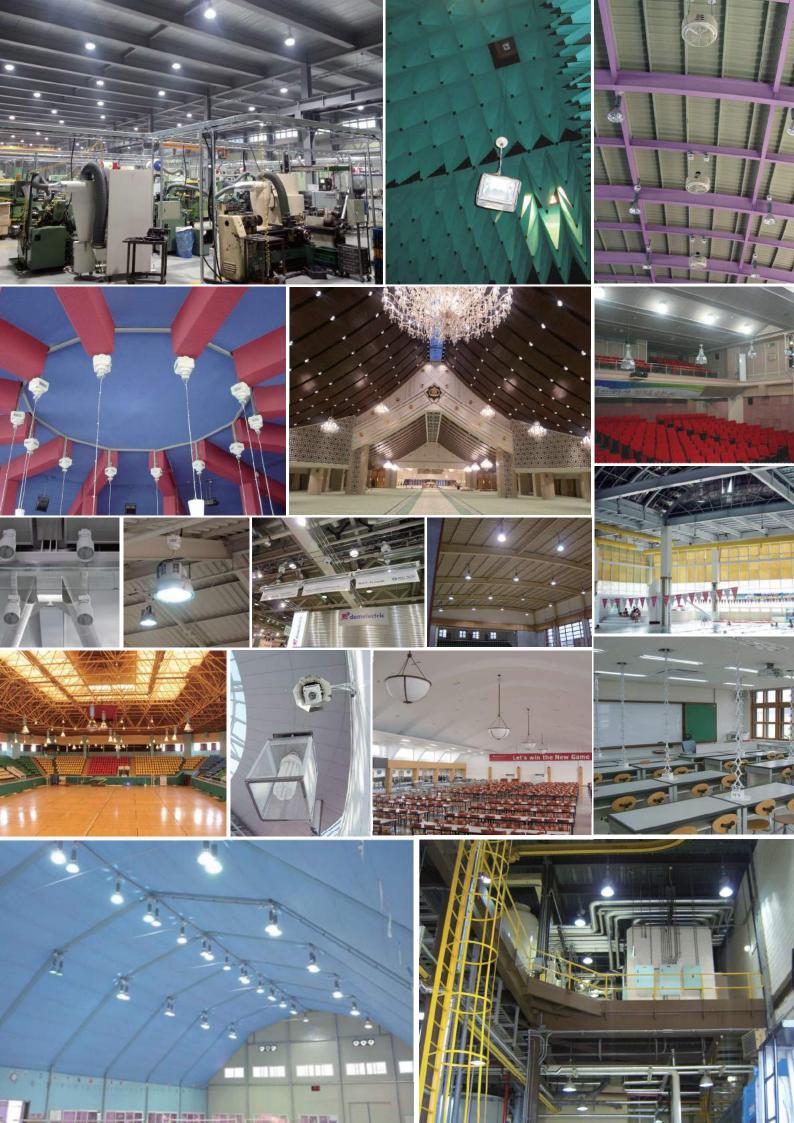


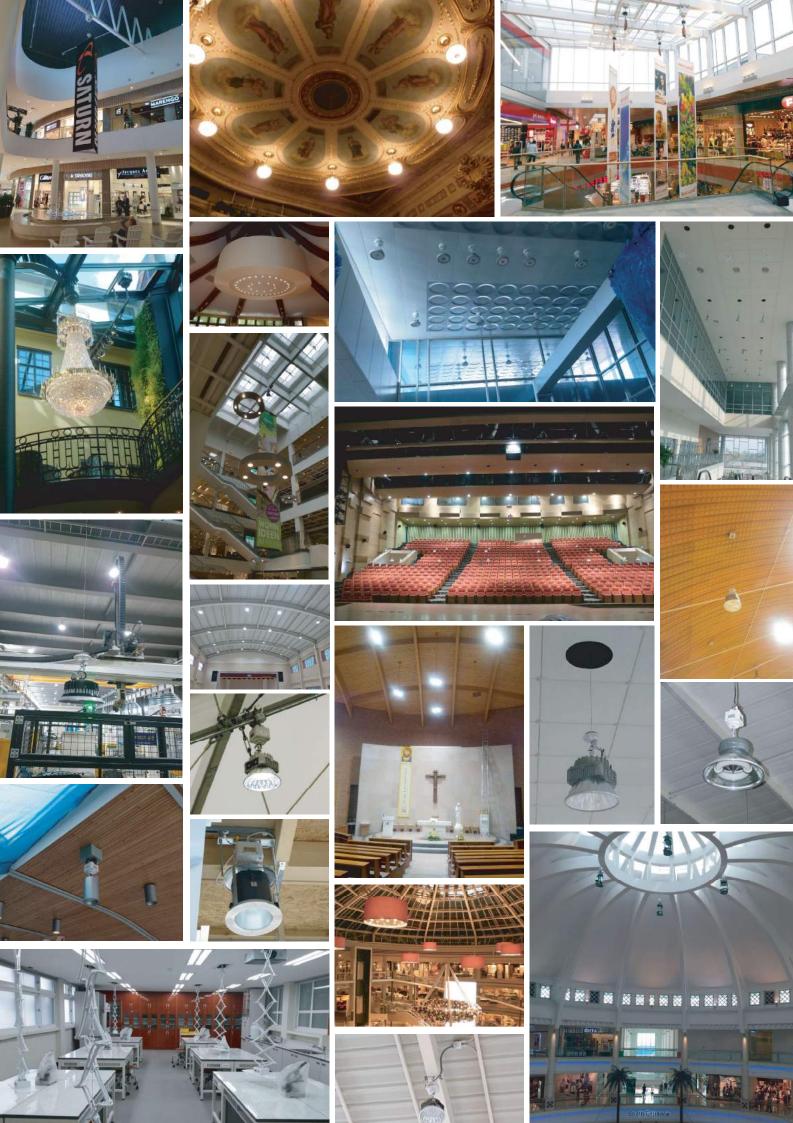
The accumulated dust makes the lifetime of LED short rapidly.

- ◆ 40000Hr / 10 year warranty(only combined model)
 - Checking function of accumulated usage time of LED
- → 70~80% Energy saving
 - Detect moving of person by motion sensor and turn on/off LED
- Payback period of investment : 1.6year
- ◆ Function of crime prevention
- Prevent fall & electrical shock accident



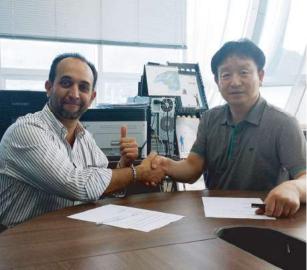








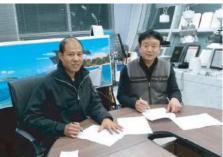




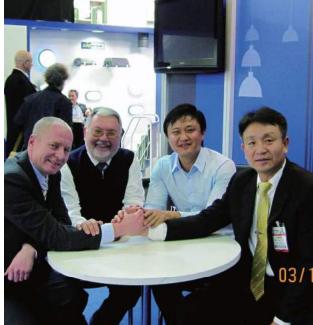




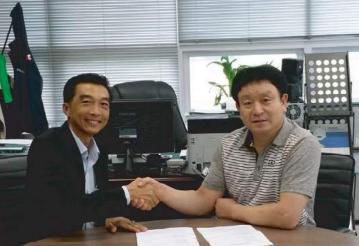












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