



Safety Lifting System

Product Guide **2025**

Safety lifting system is required for LEDs, electrical outlets, CCTVs, fire detectors, ventilators, and banners. Gymnasium, subway station, factory, distribution center, science room, practice room, swimming pool, church, cathedral Wedding halls, banquet halls, hotels, airports, power plants, exhibition halls, etc.



Safety Lifting System

Lighting Lifter

										
MSI-3	MDI-5	CSI-12	CDI-15	HSI-18	HDI-25	PSI-20	PSI-30	PDI-35	PDI-50	PFI-85

Electrical outlet lifter

									
PFI-100	PFI-200	PFI-300	PFI-500	Highbay	LSI-10C	LSI-10L	LSI-PS	LSI-3	LDI-3

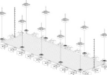
Multi Contacts Lifter

									
MSI-1M	MDI-5M	CSI-12M	CDI-15M	HSI-18M	HDI-25M	PSI-20M	PDI-35M	PSI-30M	PDI-50M

CCTV Lifter

					
MSI-1CH	MDI-5CH	CSI-7CH	CDI-12CH	HSI-12CH	HDI-25CH

Batten Lifter

		
Applied to all models	Fan Lifter	Multi Batten

Banner & Partion & Covid-19 lifter

		
BDL-2	BDL-2D	BDL-4D

Smoke Dectector Lifter

Downlight

Grill Lifter

		
FSI-1	Downlight Lifter	Grill Lifter

RCU & SENSOR & WCP

				
RT-RCU	RT-IR	RT-WS	RT-WLS	R-WP

Outdoor LED Lifter


CSI-LH200

LED & Solar tracker with street lights

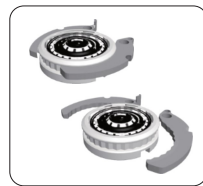
LED

									
RT-LEDN150	RT-LEDN200	MSI-LN150	MSI-LN200	CSI-LN150	CSI-LN200	CSI-7D150	CSI-7D200	MSI-H150	MSI-H200

Solar tracker with streets lights

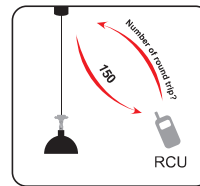
					
RT-SLL	RT-SLCL	RT-SLC2L	RT-SLLK	RT-SLCLK	RT-SLC2LK

Safety functions of lighting lifter system



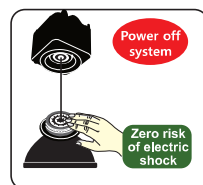
Locking Device

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.



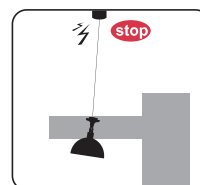
Wire condition check function

The function of cumulatively managing the number of ascending and descending and notifying them and checking them with the remote control



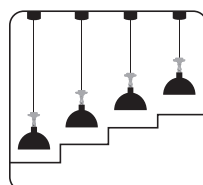
Electric shock prevention

Even if you descend with the lights on, the power is automatically cut off, so there is no risk of electric shock during maintenance after descending.



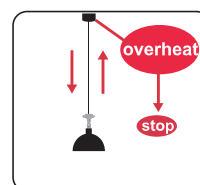
Detect over load

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.



Detect overheat

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



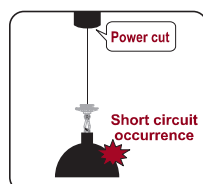
Detect no load

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



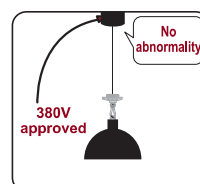
Electric contacts

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



Short-circuit prevention function

When a short circuit occurs in the lighting, the lifting device automatically cuts off the lighting power



High voltage protection function

Operates without problems even when 380V voltage is applied



Remote Lighting Lifter

Lighting maintenance can be safely on the ground



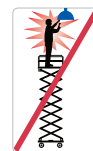
No danger!

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.

Factory



Cinema



Gymnasium



Subway Station



Restaurant



Apartment



Temple



House



Church



Sewage Treatment Plant

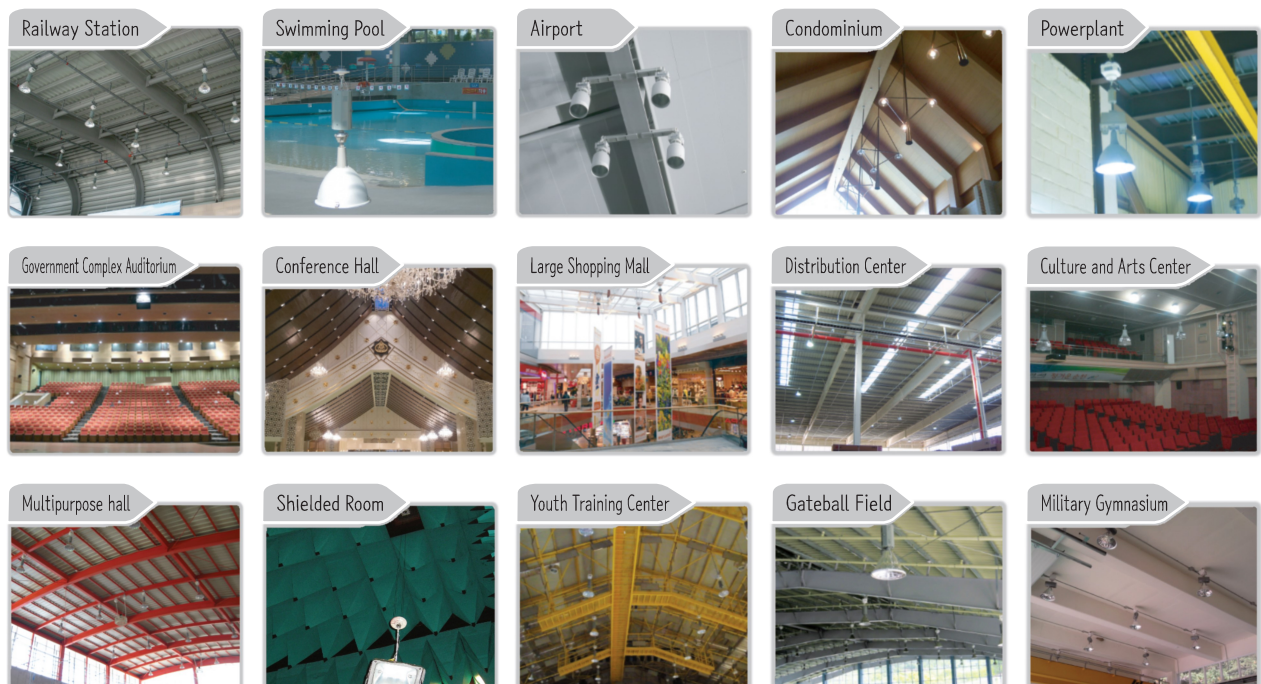


Remote Lighting Lifter

* Lowering height is an additional option.

Product						
Model Name	MSI-3	MDI-5	CSI-12	CDI-15	HSI-18	HDI-25
Dimension(mm)	162.2(W)*170(H)		140(W)*140(D)*216(H)		175(W)*175(D)*228(H)	
Weight(kg)	2.2kg	2.2kg	3.1kg	3.13kg	6.6kg	6.69kg
Loading Weight(kg)	1~3kg	2~5kg	3~10kg	3~15kg	3~15kg	6~25kg
Lowering Height(M)	15M	7M	15M	7M	15M	7M
Number of Wire	1	2	1	2	1	2
Wire O.D	1.2mm	1.2mm	1.4mm	1.2mm	2.0mm	1.6mm
Circuits capacity	16A	16A	16A	16A	16A	16A
MOTOR	DC Motor	DC Motor	DC Motor	DC Motor	DC Motor	DC Motor

Product									
Model Name	PSI-20	PDI-35	PSI-30	PDI-50	PFI-85	PFI-100	PFI-200	PFI-300	PFI-500
Dimension(mm)	209(W)*209(D)*276(H)		209(W)*209(D)*276(H)			410(W)*410(D)*635(H)			
Weight(kg)	7.63kg	7.63kg	8.44kg	8.44kg	9kg	57.5kg	58kg	58kg	59kg
Loading Weight(kg)	4~20kg	8~35kg	4~30kg	8~50kg	8~85kg	50~100kg	60~200kg	100~300kg	100~500kg
Lowering Height(M)	15M	7M	15M	7M	7M	30M	20M	20M	15M
Number of Wire	1	2	1	2	4	4	4	4	4
Wire O.D	2.4mm	2.0mm	2.4mm	2.0mm	2.0mm	3.0mm	4.0mm	4.0mm	5.0mm
Circuits capacity	16A	16A	16A	16A	16A	32A	32A	32A	32A
MOTOR	DC Motor	DC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor		BLDC Motor	





Remote Lighting Lifter

LED & LED Lifter

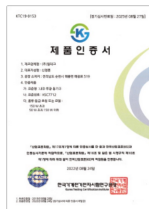
Certification



RBCE



KC certification



KS certification



High efficiency



EPD

LED

Product			 Outdoor
Model Name	RT-LEDN150	RT-LEDN200	CSI-LH200
Dimension(mm)	244(W) x 158(H)	244(W) x 158(H)	244(W) x 370(H)
Weight(kg)	3.1kg	3.1kg	9.3kg
Power consumption	150W	200W	200W
Power factor	0.95	0.96	0.96
Total flux	18778lm	24893lm	24893lm
Color temperature	5650K	5656K	5656K
Color rendering index	77	77	77
Input power	220V/60Hz	220V/60Hz	220V/60Hz

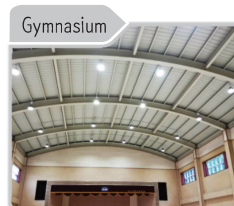
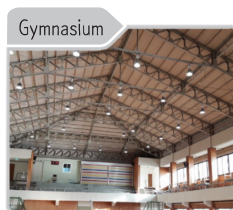
● LED Lifter (low-end product)

Product		
Model Name	MSI-H150	MSI-H200
Dimension(mm)	290(W) x 275(H)	346(W) x 277(H)
Weight(kg)	3.9kg	4.4kg
Loading Weight(kg)	1~3kg	1~3kg
Lowering Height(M)	15M	15M
Number of Wire	1	1
Wire O.D	1.2mm	1.2mm
MOTOR	DC Motor	DC Motor
Input power	220V/60Hz	220V/60Hz

● LED Lifter

▼ 40,000Hr/ 8year warranty (Only combined model)

Product						
Model Name	MSI-LN150	MSI-LN200	CSI-LN150	CSI-LN200	CSI-7D150	CSI-7D200
Dimension(mm)	244(W) x 285(H)	244(W) x 285(H)	244(W) x 329(H)	244(W) x 329(H)	244(W) x 344(H)	244(W) x 344(H)
Weight(kg)	5.3kg	5.3kg	6.2kg	6.2kg	6.2kg	6.2kg
Loading Weight(kg)	1~3kg	1~3kg	2~7kg	2~7kg	2~7kg	2~7kg
Lowering Height(M)	15M	15M	15M	15M	15M	15M
Number of Wire	1	1	1	1	1	1
Wire O.D	1.2mm	1.2mm	1.4mm	1.4mm	1.4mm	1.4mm
MOTOR	DC Motor	DC Motor	DC Motor	DC Motor	DC Motor	DC Motor
Input power	220V/60Hz	220V/60Hz	220V/60Hz	220V/60Hz	220V/60Hz	220V/60Hz





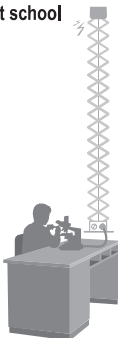
Remote Socket Lifter

Electrical Outlet Lifter

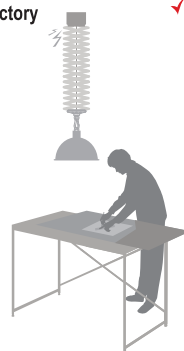
- A long line of wires! Now, it is installed in the ceiling, and it is lowered when necessary!



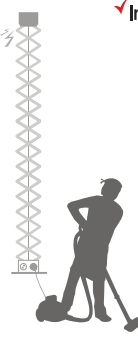
✓ At school



✓ At the factory



✓ At home



✓ In the office



Office



Food Sales Place



School Science Room



Cooking Lab



Outdoor with Ceiling



Science Room



Science Room



Lab

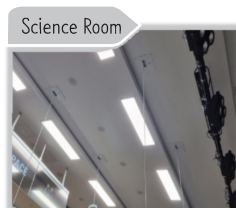
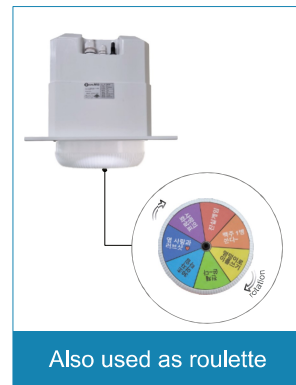


Electrical Outlet Lifter

* Lowering height is an additional option.

Product					
Model Name	LSI-10C	LSI-10L	LSI-PS	LSI-3	LDI-3
Dimension(mm)	300(W)*235(D)*570(H)	140(W)*140(D)*529(H)	440(W)*220(D)*296(H)	228(W) x 228(D) x 301(H)	
Weight(kg)	8.5kg	6.7kg	4.7kg	6.1kg	6.83kg
Loading Weight(kg)	-	3~7kg	10kg~	-	-
Lowering Height(M)	2M	2M~	2M~	2M/Max7M(option)	2M/Max3M(option)
Number of Wire	1	1	1	1	2
Wire O.D	1.4mm	1.4mm	1.4mm	-	-
Circuits capacity	16A	16A	16A	16A	16A
MOTOR	DC Motor	DC Motor	-	DC Motor	DC Motor

Utilization of cable type electrical outlet lifter





Remote Multi-contact Lifter

Multi Contacts Lifter

- Used in products such as square lighting, CCTV, speakers, and DALI that require directional functions

8 contacts(Single wire)



- 1 — SIGNAL 1
- 2 — SIGNAL 2
- 3 — SIGNAL 3
- 4 — SIGNAL 4
- 5 — EARTH (GREEN/YELLOW)
- 6 — POWER (L-BROWN COLOR)
- 7 — POWER (N-BLUE COLOR)
- 8 — SPARE

6 contacts(Double wire)



- 1 — POWER (N-BLUE COLOR)
- 2 — POWER (L-BROWN COLOR)
- 3 — SIGNAL 1
- 4 — SIGNAL 2
- 5 — SIGNAL 3
- 6 — SIGNAL 4

Indoor badminton court



Swimming Pool



Tennis court



Multipurpose Gymnasium



Kindergarten auditorium



Swimming Pool



Gymnasium



Multipurpose Gymnasium



Swimming Pool



Multipurpose Gymnasium

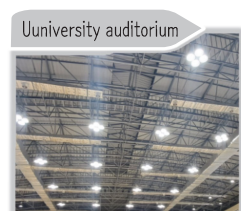
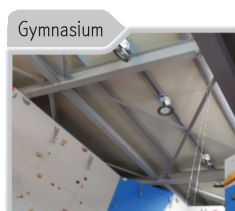


Multi Contacts Lifter

* Lowering height is an additional option.

Product				
Model Name	MSI-1M	MDI-5M	CSI-12M	CDI-15M
Dimension(mm)	162(W) x 176.5(H)	162(W) x 176.5(H)	140(W) x 140(D) x 221(H)	140(W) x 140(D) x 221(H)
Weight(kg)	2.2kg	2.2kg	3.1kg	3.13kg
Loading Weight(kg)	1kg	2~5kg	3~7kg	3~15kg
Lowering Height(M)	15M	7M	15M	7M
Number of Wire	1	2	1	2
Wire O.D	1.2mm	1.2mm	1.4mm	1.2mm
Circuits capacity	16A	16A	16A	16A
MOTOR	DC Motor	DC Motor	DC Motor	DC Motor

Product						
Model Name	HSI-18M	HDI-25M	PSI-20M	PSI-30M	PDI-35M	PDI-50M
Dimension(mm)	175(W) x 175(D) x 251(H)	175(W) x 175(D) x 251(H)	209(W) x 209(D) x 298(H)	209(W) x 209(D) x 298(H)	209(W) x 209(D) x 298(H)	209(W) x 209(D) x 298(H)
Weight(kg)	6.6kg	6.69kg	7.63kg	8.44kg	7.63kg	8.44kg
Loading Weight(kg)	3~12kg	6~25kg	4~20kg	4~30kg	8~35kg	8~50kg
Lowering Height(M)	15M	7M	15M	15M	7M	7M
Number of Wire	1	2	1	1	2	2
Wire O.D	2.0mm	1.6mm	2.4mm	2.4mm	2.0mm	2.0mm
Circuits capacity	16A	16A	16A	16A	16A	16A
MOTOR	DC Motor	DC Motor	DC Motor	BLDC Motor	DC Motor	BLDC Motor





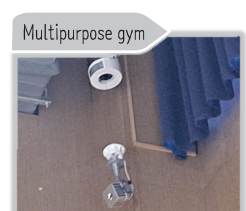
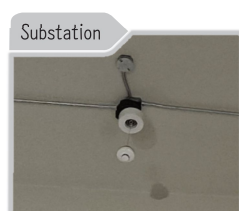
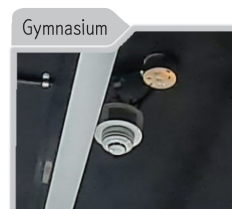
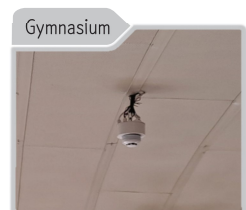
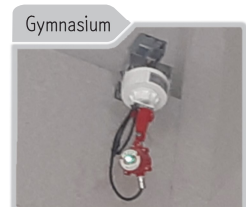
Remote Smoke Detector Lifter

Smoke Detector Lifter

Smoke Detector Lifter

* Lowering height is an additional option.

Product	 For smoke detectors	 For flame detectors
Model Name	FSI-1	MSI-1M
Dimension(mm)	162(W) x 151(H)	162(W) x 176.5(H)
Weight(kg)	2.2kg	2.2kg
Loading Weight(kg)	1kg	1kg
Lowering Height(M)	15M	15M
Number of Wire	1	1
Wire O.D	1.2mm	1.2mm
MOTOR	DC Motor	DC Motor



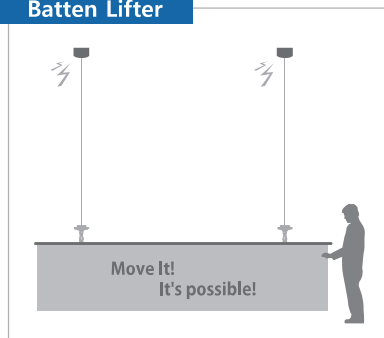


Remote Batten Lifter

Batten Lifter (All models applicable)

- Large promotion(decoration) materials, stage lighting, air circulation fans, lifting applications

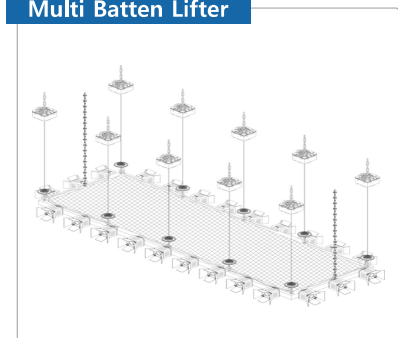
Batten Lifter



Air circulation fans



Multi Batten Lifter



Gymnasium



Railway station



Shopping mall



Apartment gym



Buddhist temple



Parish office



Gymnasium



Gymnasium



Shopping mall



Remote CCTV Lifter

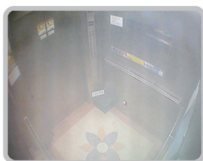
CCTV Lifter

Why is the CCTV Lifter needed?

CCTV lens cleaning

Clear Video at all times

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



Before cleaning the lens



After cleaning the lens

Safe to maintenance of CCTV

Industrial Accident Prevention

Industrial accidents such as fallen accident can be prevented because CCTVs are safely cleaned or maintained on the ground without the need to climb to a high place.



Working at high place : danger



Ground work : Safety

Railroad Vehicle Business Office



Government Building



Suncheon Station



Suncheon Station Area



Building Exterior



CCTV Lifter

* Lowering height is an additional option.

Product				
Model Name	MSI-1CH	MDI-5CH	CSI-7CH	CDI-12CH
Dimension(mm)	185.4(W) x 208.8(H)	185.4(W) x 208.8(H)	248(W) x 292(H)	248(W) x 292(H)
Weight(kg)	3.7kg	3.7kg	6.2kg	6.2kg
Loading Weight(kg)	1kg	2~5kg	3~7kg	3~12kg
Lowering Height(M)	15M	7M	15M	7M
Number of Wire	1	2	1	2
Wire O.D	1.2mm	1.2mm	1.4mm	1.2mm
Circuits capacity	8	6	8	6
MOTOR	DC Motor	DC Motor	DC Motor	DC Motor

Product		
Model Name	HSI-12CH	HDI-25CH
Dimension(mm)	248(W) x 292(H)	248(W) x 292(H)
Weight(kg)	10kg	10kg
Loading Weight(kg)	3~12kg	6~25kg
Lowering Height(M)	15M	7M
Number of Wire	1	2
Wire O.D	2.0mm	1.6mm
Circuits capacity	8	6
MOTOR	DC Motor	DC Motor





Remote Bnver Lifter

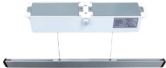
Banner & Partion & Covid-19 lifter

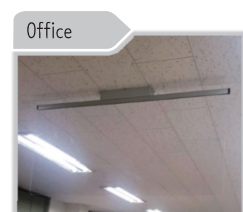
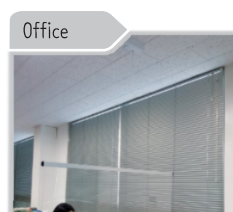
Public Relations & Droplet Blocking & Privacy Protection Effect!

Restaurant, cafe, company office, meeting room, banquet hall, exhibition, conference room, etc



● Banner & Partion & Covid-19 lifter

Product			
Model Name	BDL-2	BDL-2D	BDL-4D
Dimension(mm)	352.3(W) x 77.7(D) x 56(H)	213.3(W) x 77.7(D) x 56(H) * 2EA	352.3(W) x 77.7(D) x 56(H) * 2EA
Weight(kg)	3.1kg	3.1kg	6.2kg
Loading Weight(kg)	~2kg	~2kg	~2kg
Lowering Height(M)	4M	4M	4M
Number of Wire	2	2	4
Wire O.D	0.8mm	0.8mm	0.8mm
Circuits capacity	0.04A	0.04A	0.04A
MOTOR	AC Motor	AC Motor	AC Motor



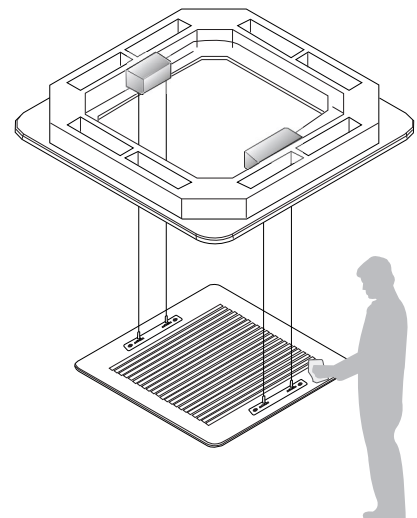


Remote Grill Lifter Grill Lifter

- Grill Lifter for cleaning the grill of ceiling system air conditioners

If dust accumulates on the grill (filter) of the ceiling system air conditioner, the efficiency of the air conditioner decreases. Filters should be cleaned periodically as malfunctions may occur.

Product	
Model Name	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	0.8mm
Circuits capacity	0.6A
MOTOR	DC Motor



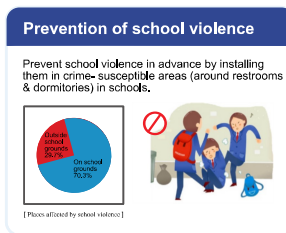
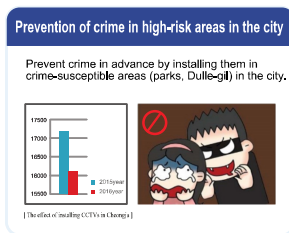
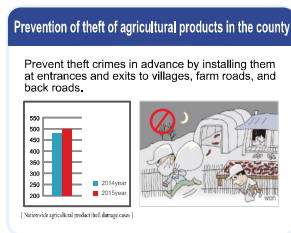


Solar Tracker Security Pole

360 Solar Tracker

360 Solar elevating security pole

- ✓ Prevention of crime and provision of convenience facilities
- ✓ Independent system operated by self-generation without electricity and civil works
- ✓ Daily power consumption 300W = 1-hour power generation capability



Applicable place



Certifications and patents



Solar Elevating Security Pole

Components				
Product Name	Solar Tracker	Solar panel	CCTV Lifter	LED
Specification	260 x 360 x 180mm(ID:140mm) 14.5kg	1306 x 660 x 40mm 240W or more	15m moving up and down CCTV (SD card type) Wireless monitoring function (WiFi)	50W Efficiency : 141.5lm/W Color rendering : 77.5
Features	- Contact method without wires (30-year contact lifespan is guaranteed.) - 360 degree rotation - GPS + Program control method	- CE and RoHS-certified products - High-efficiency single crystal cell - High conversion efficiency	- Completed wind tunnel test (at 30 m/s or more) - Periodic lens cleaning ensures clear images - Safe and convenient maintenance	- Registration of conformity of broadcasting and communication equipment - Fulfilled minimum green standards for public procurement - Dimming function

Components				
Product Name	360 sensor	Battery storage box	Battery (solar power exclusive)	Pole
Specification	Sensing distance: 5~7 m	Φ670 x 276mm, Steel Plate	SB1000 12V-100AH 250 charge/ discharge cycles Maintenance-free sealed battery	3.5m, 6.0T pipe Φ139.8 x 4.85
Features	- LED control by detecting the motion	- Used as a shelter chair - Anti-theft feature with the door not being exposed - Finished with Asa material with strong heat-resistant	- Check the charging status easily (Magic eye indicator) - Preventing the inflow of external fire outbreak: Sealed cover - Use an isolation plate to prevent a short circuit	- Hot dip coating

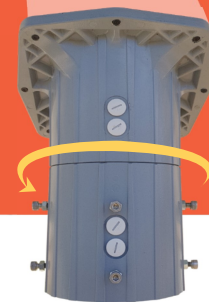
Installation cases





Solar Tracker Pole

Solar power generation pole



GPS type
360 solar tracker

Types of power generation poles



Solar Panel
3 x 4 m

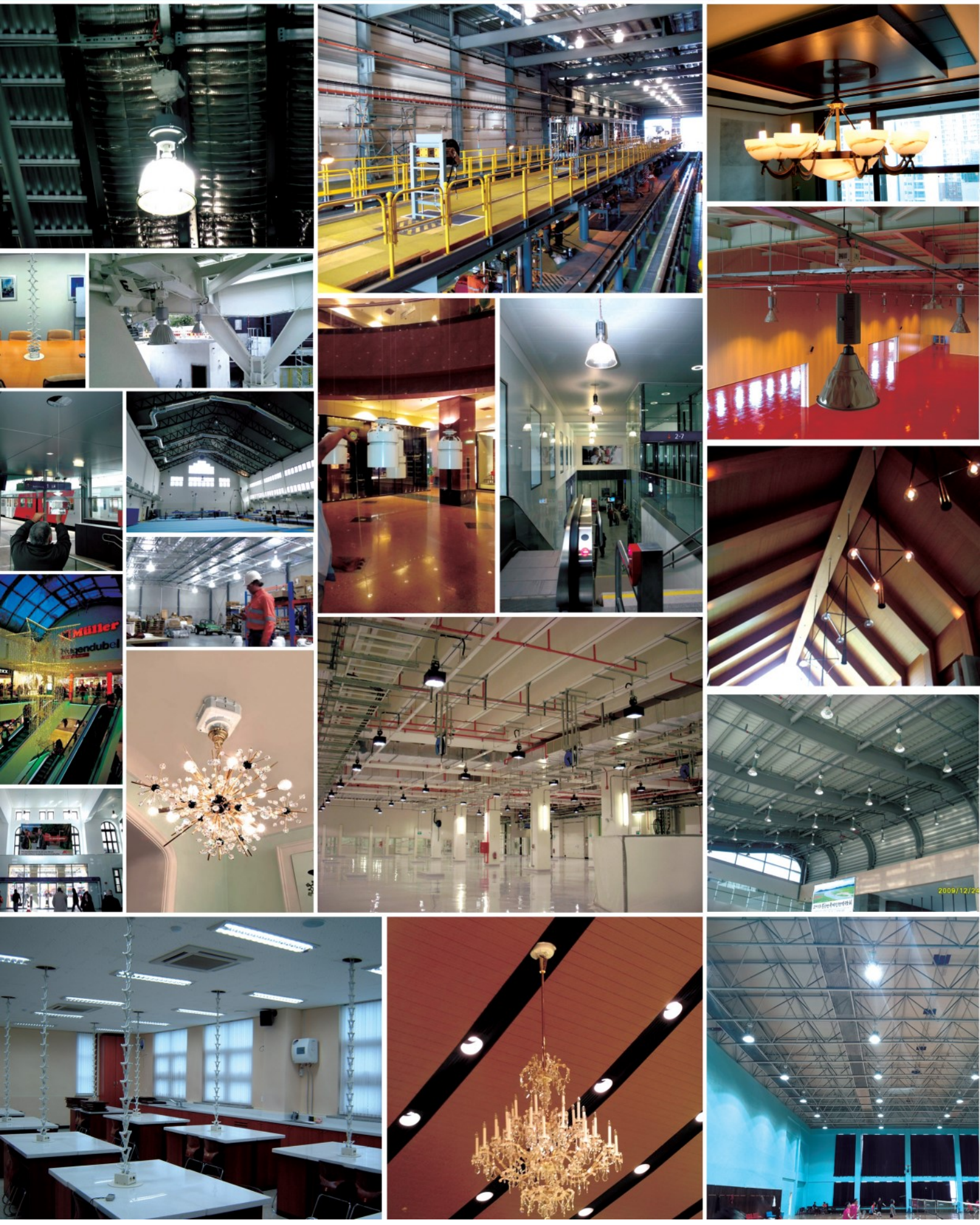
Solar Tracker

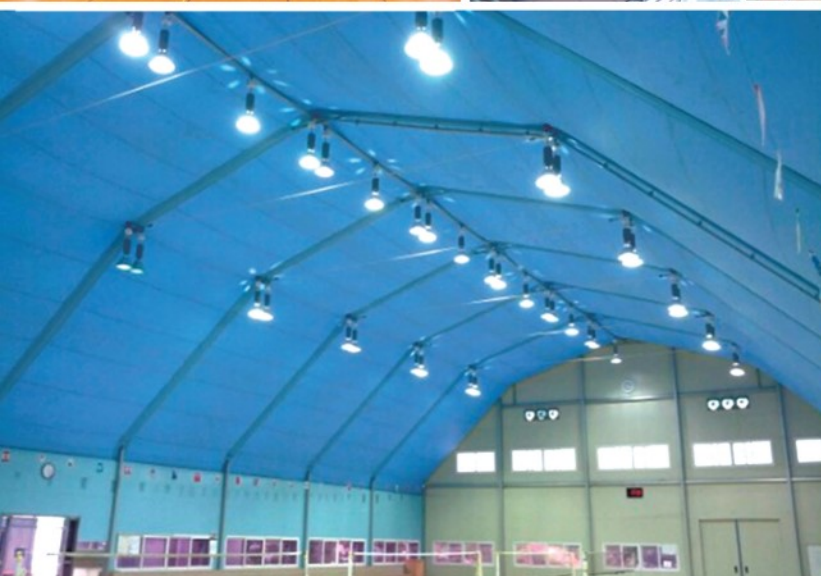
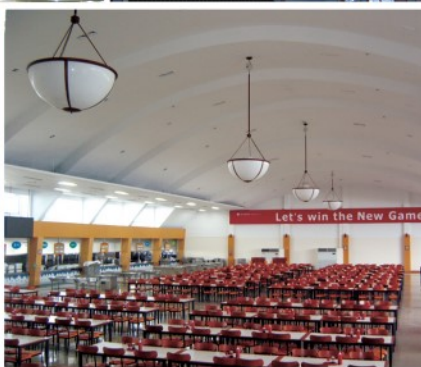
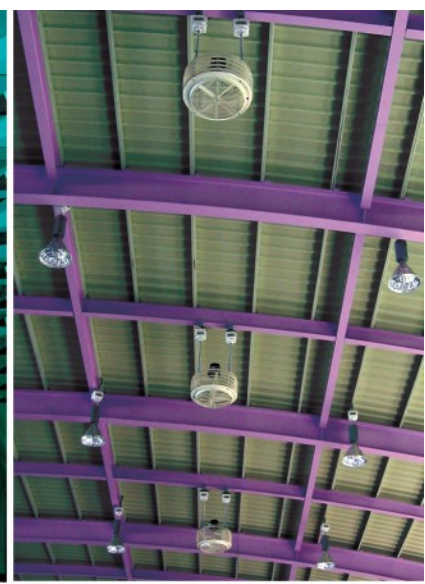
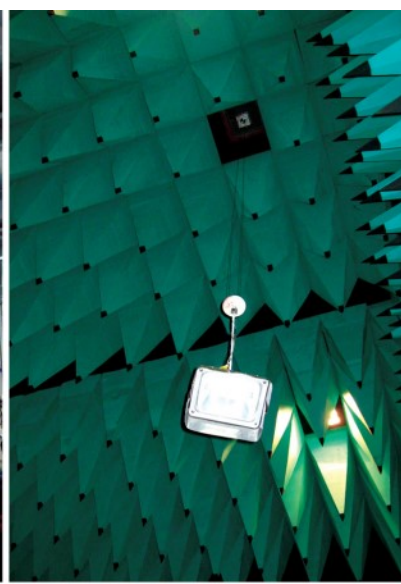


Certifications and Patents



Reference







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