Safety Lifting System

Product Guide 2024

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.

REEL TECH

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

● Electrical outlet lifter

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

Coming soon

● 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

LED & Solar tracker with street lights

● LED

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

● Outdoor LED Lifter

CSI-LH200

● Solar tracker with streets lights

Standalone	Standalone	Standalone	Power Generation Type	Power Generation Type	Power Generation Type
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.
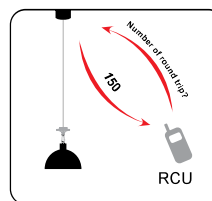
Wire condition check function

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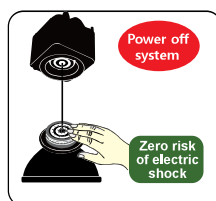
Electric shock prevention

Power off system
Zero risk of electric shock

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.
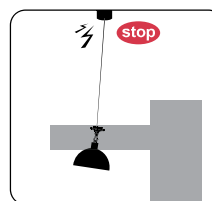
Detect over load

stop

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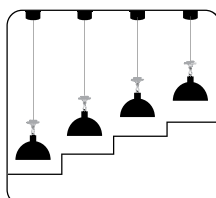
Auto stop function

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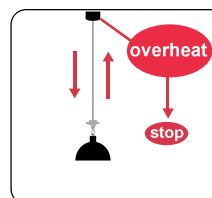
Detect overheat

overheat
stop

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

Detect no load

stop

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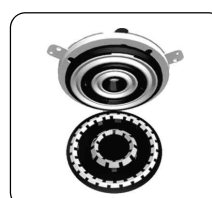
Electric contacts

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

Move It! It's Possible!

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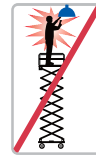
No electric shock!
No electric current during maintenance and no risk of electric shock.

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

Product						
Moder No.	**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
Loweing 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								
Moder No.	**PSI-20**	**PDI-35**	**PSI-30**	**PDI-50**	**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	57.5kg	58kg	58kg	59kg
Loading Weight(kg)	4~20kg	8~35kg	4~30kg	8~50kg	50~100kg	60~200kg	100~300kg	100~500kg
Loweing Height(M)	15M	7M	15M	7M	30M	20M	20M	15M
Number of Wire	1	2	1	2	4	4	4	4
Wire O.D	2.4mm	2.0mm	2.4mm	2.0mm	3.0mm	4.0mm	4.0mm	5.0mm
Circuits capacity	16A	16A	16A	16A	32A	32A	32A	32A
MOTOR	DC Motor	DC Motor	BLDC Motor	BLDC Motor	BLDC Motor		BLDC Motor	

Railway Station

Swimming Pool

Airport

Condominium

Powerplant

Government Complex Auditorium

Conference Hall

Large Shopping Mall

Distribution Center

Culture and Arts Center

Multipurpose hall

Shielded Room

Youth Training Center

Gateball Field

Military Gymnasium

Move It! It's Possible!
LED & LED Lifter

Benefits

Eco-friendly products	High efficiency certified product	KC certified product	KS certified product	Maintenance cost saving	Saving energy	Convenience

● LED

Product			
Model No.	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

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

Product						
Model No.	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
Power consumption	1~3kg	1~3kg	3~7kg	3~7kg	3~7kg	3~7kg
Power factor	15M	15M	15M	15M	15M	15M
Total flux	1	1	1	1	1	1
Color temperature	1.2mm	1.2mm	1.4mm	1.4mm	1.4mm	1.4mm
Color rendering index	DC Motor	DC Motor	DC Motor	DC Motor	DC Motor	DC Motor
Input power	2	2	2	2	8	8
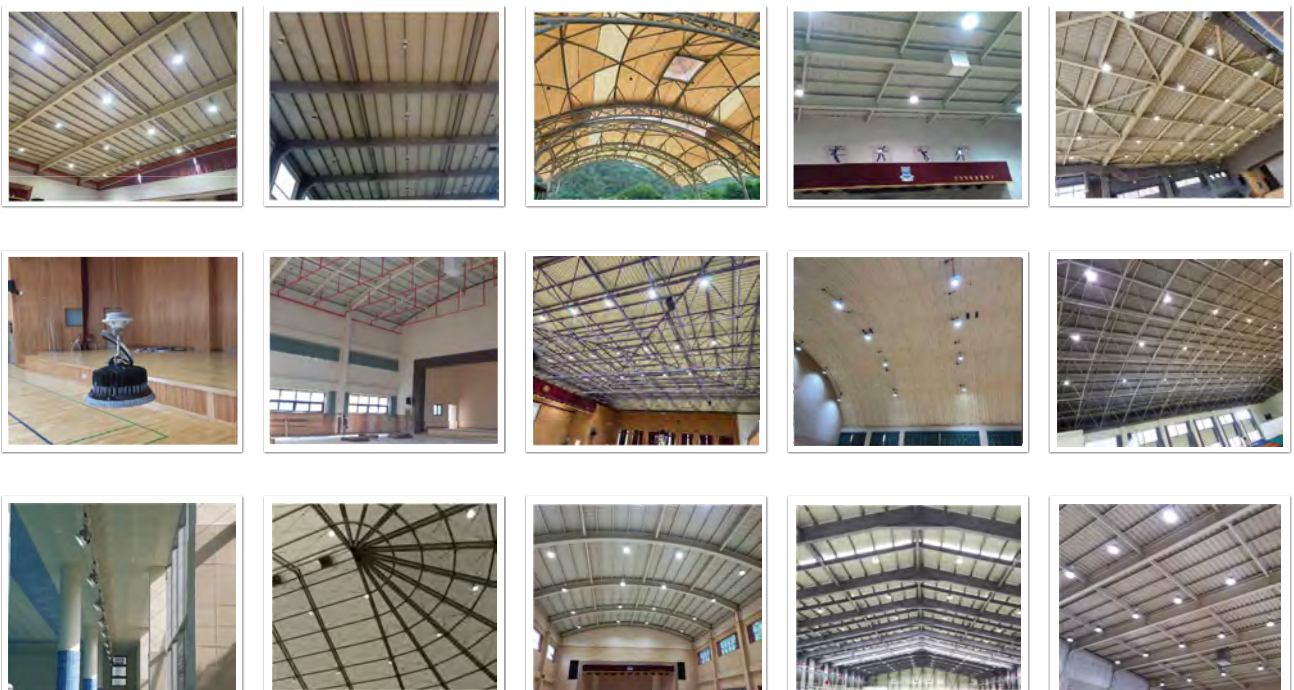
Electrical Outlet Lifter
Move It! It's Possible!

- **A long line of wires! Now, it is installed in the ceiling, and it is lowered when necessary!**
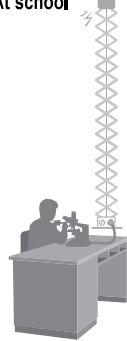
At school　　At the factory　　At home　　In the office
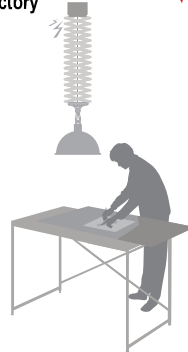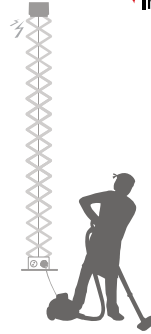
Office	Food Sales Place	School Science Room	Cooking Lab	Outdoor with Ceiling
		Science Room	Science Room	Lab

◐ Electrical Outlet Lifter

Product					
Model No.	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~	-	-
Loweing 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

Going up and down with lights on

Utilization of microphone up and down

Induction light lifting use

Also used as roulette
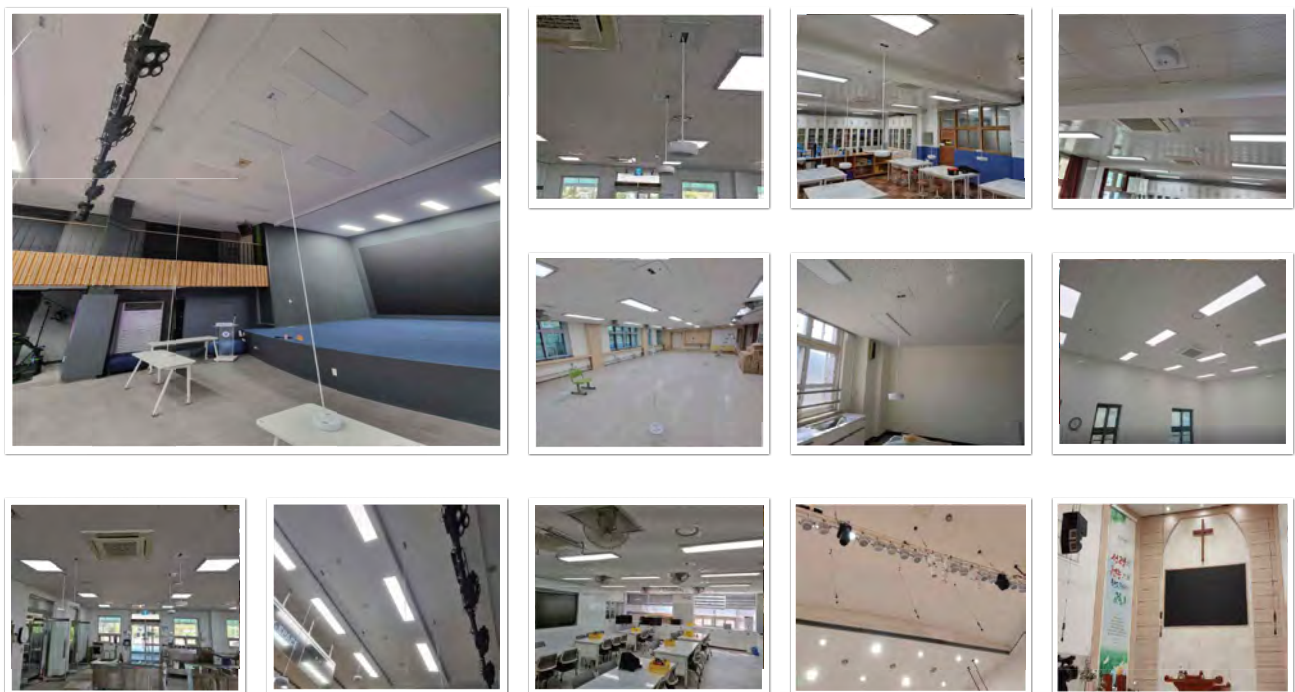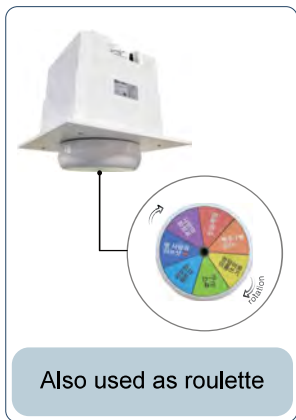
Move It! It's Possible!
Multi Contacts Lifter

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

8 contacts(Single wire)

❶	SIGNAL1
❷	SIGNAL2
❸	SIGNAL3
❹	SIGNAL4
❺	EARTH(GREEN/YELLOW)
❻	POWER(L-BROWN COLOR)
❼	POWER(N-BLUE COLOR)
❽	SPARE

6 contacts(Double wire)

❶	POWER(N-BLUE COLOR)
❷	POWER(L-BROWN COLOR)
❸	SIGNAL1
❹	SIGNAL2
❺	SIGNAL3
❻	SIGNAL4

Indoor badminton court　　　Swimming Pool　　　Tennis court　　　Multipurpose Gymnasium　　　a kindergarten auditorium

Swimming Pool　　　Gymnasium　　　Multipurpose Gymnasium　　　an auditorium　　　Multipurpose Gymnasium

Multi Contacts Lifter

Product				
Model No.	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
Loweing 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 No.	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)	
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
Loweing 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
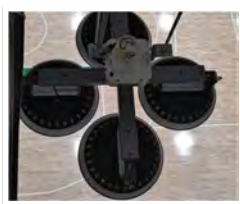
Move It! It's Possible!

Smoke Detector Lifter

◉ Smoke Detector Lifter

*Lowering height is an additional option.

Product		
Moder No.	**FSI-1**	**MSI-1M**
Dimension(mm)	162(W) x 110(H)	162(W) x 176.5(H)
Weight(kg)	2.2kg	2.2kg
Loading Weight(kg)	1kg	1kg
Loweing Height(M)	15M	15M
Number of Wire	1	1
Wire O.D	1.2mm	1.2mm
MOTOR	DC Motor	DC Motor
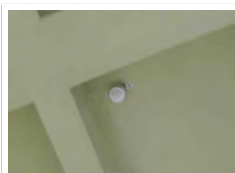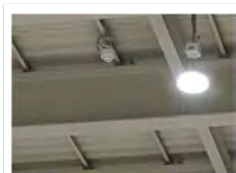
Substation	*School Gymnasium*	*School Gymnasium*	*Conversion Station*	*School Gymnasium*
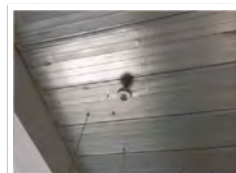
Batten Lifter

Move It! It's Possible!

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

Batten Lifter 2 lifters go up and down at the same time

Move It!
It's possible!
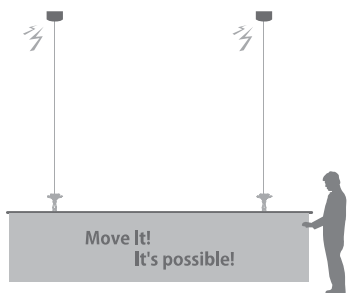
COMPACT

HOOK

HEAVY DUTY

SUPER HEAVY DUTY

Multi Batten Lifters 3 or more lifters go up and down at the same time

▲ Applicable model

www.reeltech.co.kr
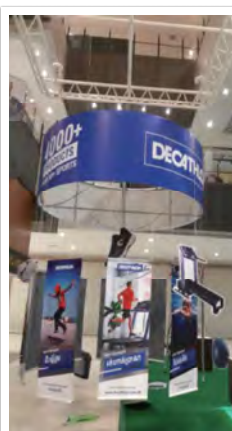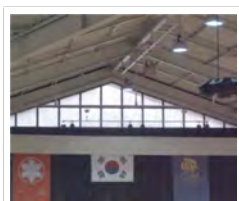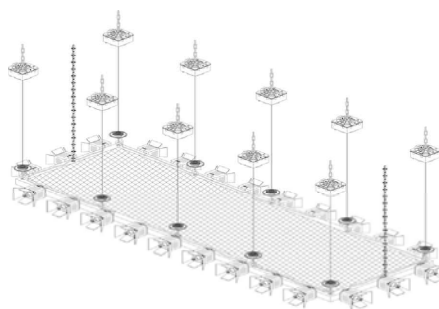
CCTV Lifter

Move It! It's Possible!

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

● CCTV Lifter

Product				
Model No.	**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
Loweing 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 No.	**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
Loweing 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
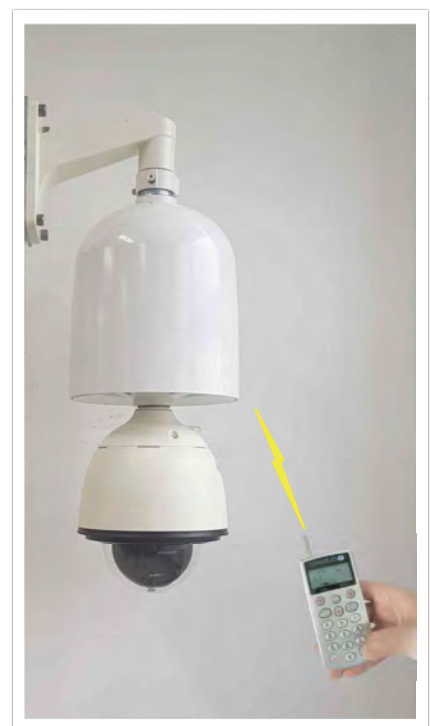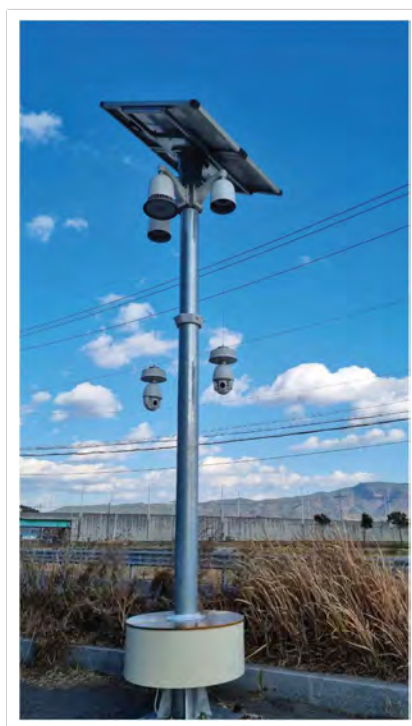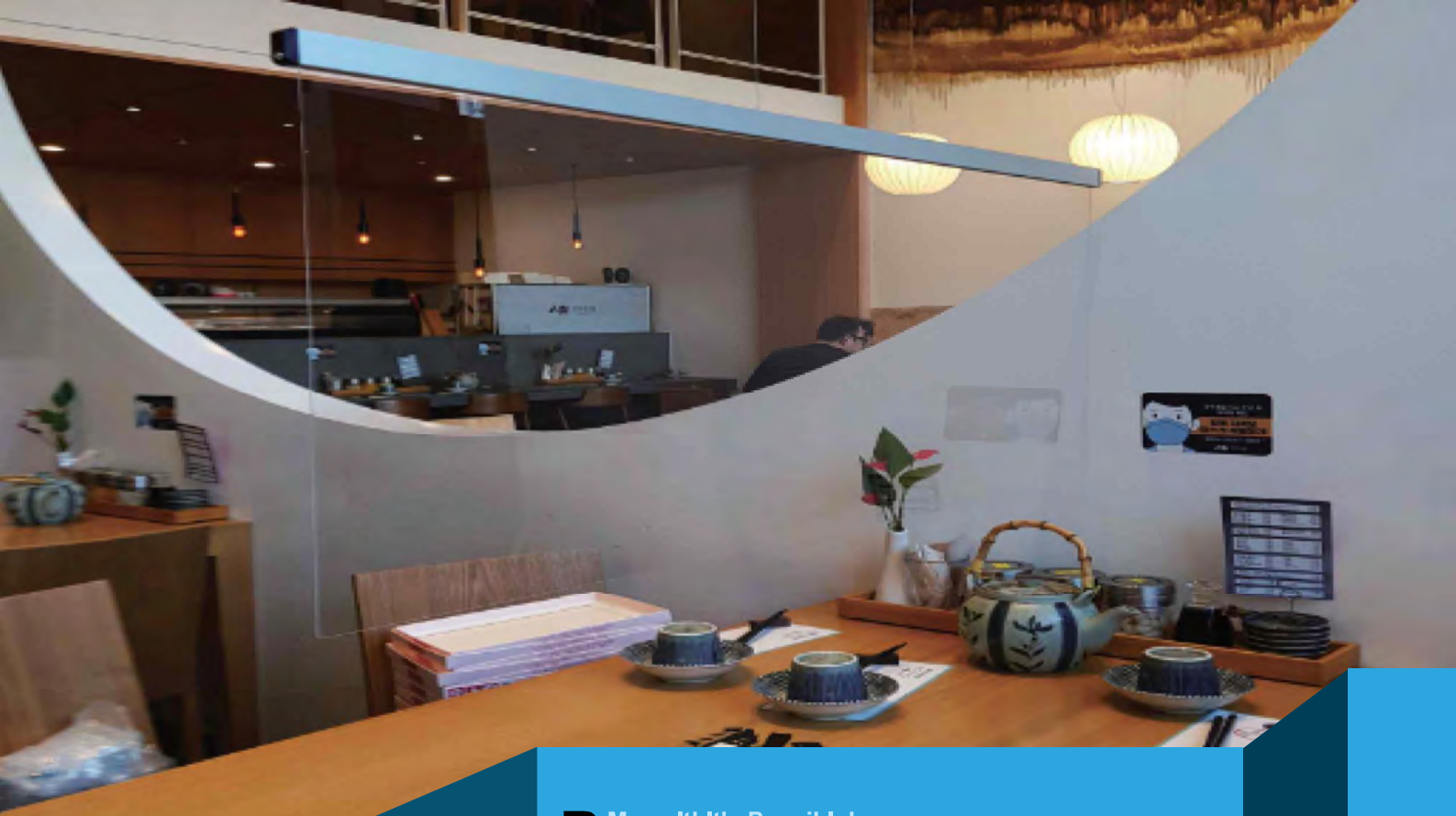
Move It! It's Possible!
Banner & Partion & Covid-19 lifter

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 No.	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
Loweing 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
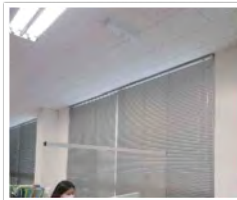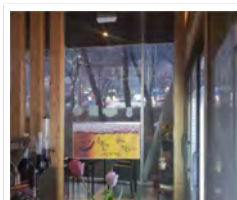
Grill Lifter

Move It! It's Possible!

⚪ **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 No.	GFL-3
Dimension(mm)	126(W) x 40(D) x 36(H)
Weight(kg)	0.5kg
Loading Weight(kg)	2kg
Loweing Height(M)	4M
Number of Wire	2
Wire O.D	0.8mm
Circuits capacity	0.6A
MOTOR	DC Motor
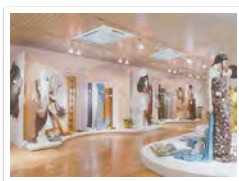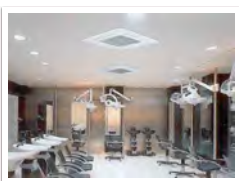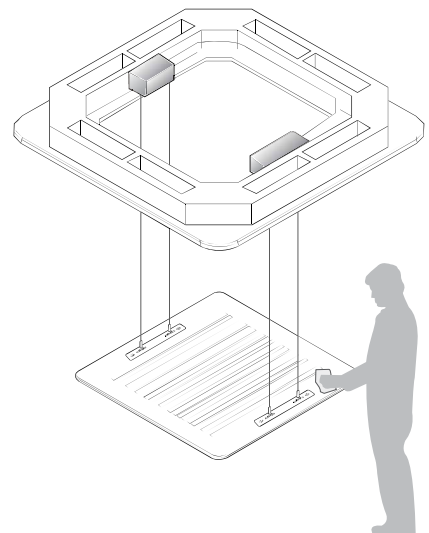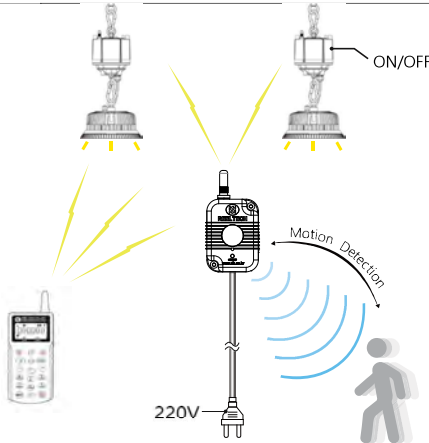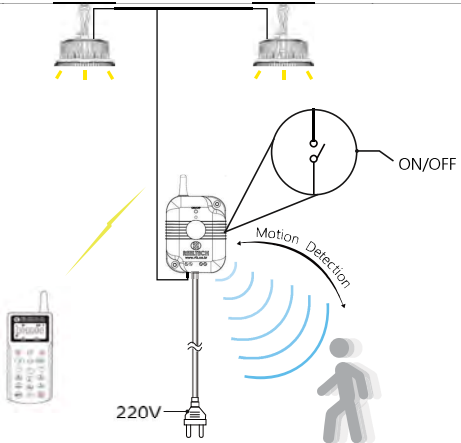
Air circulation fan lifting device & Wireless Sensor & wireless switch

● Air circulation fan lifting device

● Wireless Sensor & wireless switch

Product		
Model Name	**RT-WS**	**RT-WLS**
Dimension(mm)	57.3(W) x 38.2(D) X 78.2(H)	70(W) x 41(D) X 92(H)
Sensing Distance	5~7mm	5~7mm
Operating Tempeature	−20℃~+60℃	−20℃~+60℃
Control quantity	Max. 1 million units	Max. 1 million units
Features	- Receives a remote control signal and turns on/off the lighting in the elevator - The human body detection function of the wireless sensor detects movement and turns on/off the lighting in the lifter - When motion is detected, the lights are ON, after a certain period of time (can be set from 1 to 99 minutes) the lights can be OFF	- Receives a remote control signal or detects movement with the human body detection function to turn on/off the light from the wireless switch
How it works	 Wireless Sensor(RT-WS)	 Wireless Switch(RT-WLS)

※ The rotating part is very strong because of the top and bottom compression structure.

Products contributing to RE100 achievement
The world's first all-in-one solar tracker

Energy Efficiency 33% ⬆

Reseanable price

No truble

Easy Installation

Features

· 360° rotation contact method

· Operation by solar power

· GPS programming tracking method

Installation Place

· Installation around house yard and fence

· Installation regardless of site direction

· Agricultural solar power generation
/ animal extermination alarm

panel 6 sheets

panel 3 sheets

Move It! It's Possible!

3̲60 solar elevating security pole

◉ **360 degree rotating 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**

Prevention of theft of agricultural products in the county

Prevent theft crimes in advance by installing them at entrances and exits to villages, farm roads, and back roads.

■ 2014year
■ 2015year

[National via agricultural product theft damage cases]

Prevention of crime in high-risk areas in the city

Prevent crime in advance by installing them in crime-susceptible areas (parks, Dulle-gil) in the city.

■ 2015year
■ 2016year

[The effect of installing CCTV in Cheongju]

Prevention of school violence

Prevent school violence in advance by installing them in crime- susceptible areas (around restrooms & dormitories) in schools.

Outside school grounds 29.7%
On school grounds 70.3%

[Places affected by school violence]
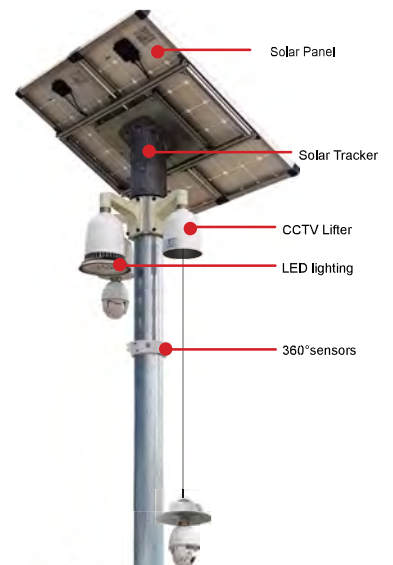
◉ **Certifications and patents**

Solar Panel
Solar Tracker
CCTV Lifter
LED lighting
360°sensors
Shelter chair (Battery box)

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 Effiency : 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

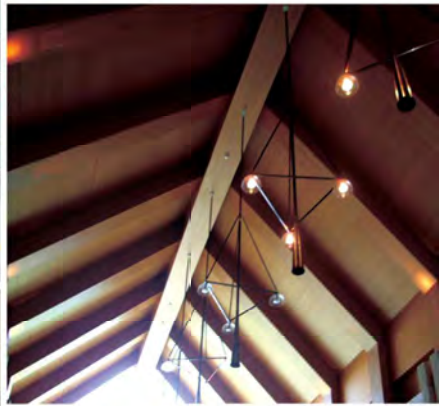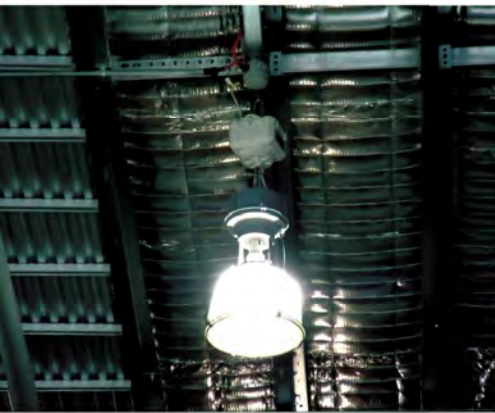| Components				
Product Name	**360 sensor**	**Battery storage box**	**Battery (solar power exclusive)**	**Pole**
Specification	Sensing distance: 5~7 m	Φ670 x 276mm, Steel Plate	SB1000 12V-100AH 250 charge/ discharge cycles Maintenance-free sealed battery	3.5m, 6.0T pipe Φ139.8 x 4.85
Features	- LED 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

Applicable place

Farm roads

School

Park

Alleyways

Promenades

Building facades

Installation cases

Reference

◆ Headquarter

REEL TECH CO., LTD.   TEL : 061) 723-1113   FAX : 061) 723-4440   E-mail : reel-tech@hanmail.net   http://www.reeltech.co.kr

◆ Domestic Agency

Area	Company Name	Tel.	Fax.	Homepage	E-mail
Seoul, Incheon	reeltech Seoul Incheon Branch	032-812-4023	032-812-4024	www.reeltech.co.kr	sbj00@hanmail.net
Kyeonggi-do	Seongwontop	010-9632-3578		www.reeltech.co.kr	swt9876@hanmail.net
Kangwon-do, Kyeongsang-do, Woolsan, Busan	Hanbit enertech	052-991-7640~1	052-991-7642	www.reeltech.co.kr	hb7640@daum.net
Chungcheong-do, Sejong City, Daejeon	RGB tech	070-8880-9183	050-4060-9183	www.reeltech.co.kr	ljm99@daum.net
Jeollabuk-do	Esselenc	063-224-4694	050-4461-4694	www.reeltech.co.kr	it0153@nate.com
Gwangju, Jeollanam-do	KStech	061-725-9964	061-724-9964	www.reeltech.co.kr	kstech3885@hanmail.net
Jeju-island	e2z	064-748-8446	064-748-8445	www.reeltech.co.kr	lenado@e2z.co.kr

◆ Overseas Dealer

Area	Company Name	Tel.	Fax.	Homepage	E-mail
Russia	PLATAN LLC	7(495)97-000-99		www.platan.ru	info@platan.ru
England	REELTECH UK LTD.	+44(0)1604 643522	+44(0)1604 697028	www.reeltechuk.com	enquiries@reeltechuk.com
Italy	Santenini S.r.l	+39 0331 924846	+39 0331 920606	www.santenini.it	daniele.serventi@santenini.it
Germany	REEL TECH Vertriebs GmbH	+49(0) 6109 / 5016151	+49(0) 6109 / 5016150	www.reeltech.de	office@reeltech.de
Austria	REEL TECH Vertriebs GmbH	+49(0) 6109 / 5016151	+49(0) 6109 / 5016150	www.reeltech.de	office@reeltech.de
Switzerland	REEL TECH Vertriebs GmbH	+49(0) 6109 / 5016151	+49(0) 6109 / 5016150	www.reeltech.de	office@reeltech.de
Singapore	LIGHTCRAFT PTE LTD	+65 6744 2441	+65 6744 1416	www.lightcraft.com.sg	enquiry@lightcraft.com.sg
Kuwait	YOUSEF AL-AHMAD INT GROUP	+965 24821302	+965 24847725	www.alahmedgroup.com	info@alahmedgroup.com
Bahrain	Genprise Co. W.L.L.	+973 17311442	+973 17311019/17910761	www.genpriseco.com	info@genpriseco.com
France	MINOEUROPE SARL	+33 6 22 70 43 45			Haemaru.ryu@minoeurope.com
Mexico	AG Lighting SA de CV	+(52) (55) 6845-6002		www.aglighting.mx	contacto@aglighting.mx
Colombia	ZONA DE ENFOQUE NETWORK S.A.S	+57 314 892 53 17		www.reeltechcolombia.co	gerencia@reeltechcolombia.co
Iran	BHE CO.	+98 713 648 0010	+98 713 648 0011	www.inenop.com	s.Afsar@bhe-co.com
China	SHENZHEN PHIANS	+86 755 8621 8116		www.nuclearscm.com	1309582350@qq.com
China	TIANJIN CHUANGFA TECHNOLOGY	+86 22 2368 9010			13920555675@163.com
China	Txzj(WuHan) Technology	+86 138-7123-9075			2024225975@qq.com
Hong kong	Lightcraft Limited	+852 2866 6965		www.lightcraftintl.com	info@lightcraft.asia