

Company registered in the Public Procurement Service / the Korea On-Line E-Procurement System / the Shopping Mall

INNOBIZ



INNOBIZ ISO2001 Authorization
Venture Business Authorization

Personal Protection Equipment

Special function lantern, xenon searchlights,
firefight lantern manufacturing company



Musun Techwin Co., Ltd.

Website : www.musun2002.co.kr



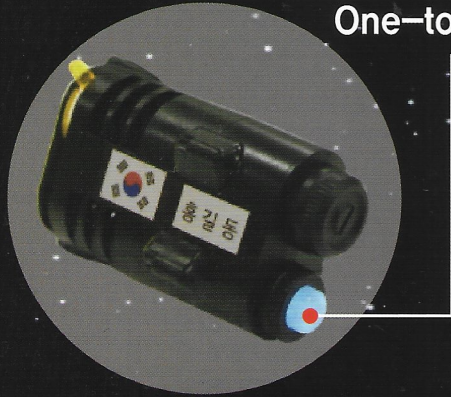
Patent
Acquisition
(10-1666164)



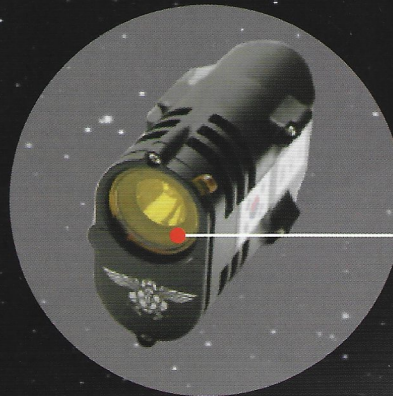
INNOBIZ

NEW

One-touch switch



Yellow filter



USB Charger



LED XP-G3 is applied

Firefighting Helmet Lantern



특허증

CERTIFICATE OF PATENT

특허 제 10-1666164 호

발명번호 제 10-2015-0037336 호

발명일 2015년 03월 19일

등록일 2016년 10월 07일

발명의 종류 Kind of the Invention
발명품 명칭

특허인자 Patent
주식회사 유진테크놀로지(131013, *****)
경기도 양주시 장곡구 선진로 35, 2층(사동, 세한빌딩)

출원인 Inventor
유진테크(131013, *****)
경기도 양주시 선진로 35, 2층(사동, 세한빌딩)

위의 발명은 「특허법」에 따라 특허등록원부에 등록되었음을 증명합니다.
This is to certify that, in accordance with the Patent Act, a patent for the invention
has been registered at the Korean Intellectual Property Office.



2016년 10월 07일

특허청장
COMMISSIONER
KOREAN INTELLECTUAL PROPERTY OFFICE

최동국

MS-LLA6 Advantages

1. Light weight
2. Easily detachable
3. USB Charger
4. A yellow filter is applied
5. One-touch switch
6. Patent registered
7. Korea Certification

Firefighting helmet lantern MS-LLA6

(Public Procurement Service registered product)

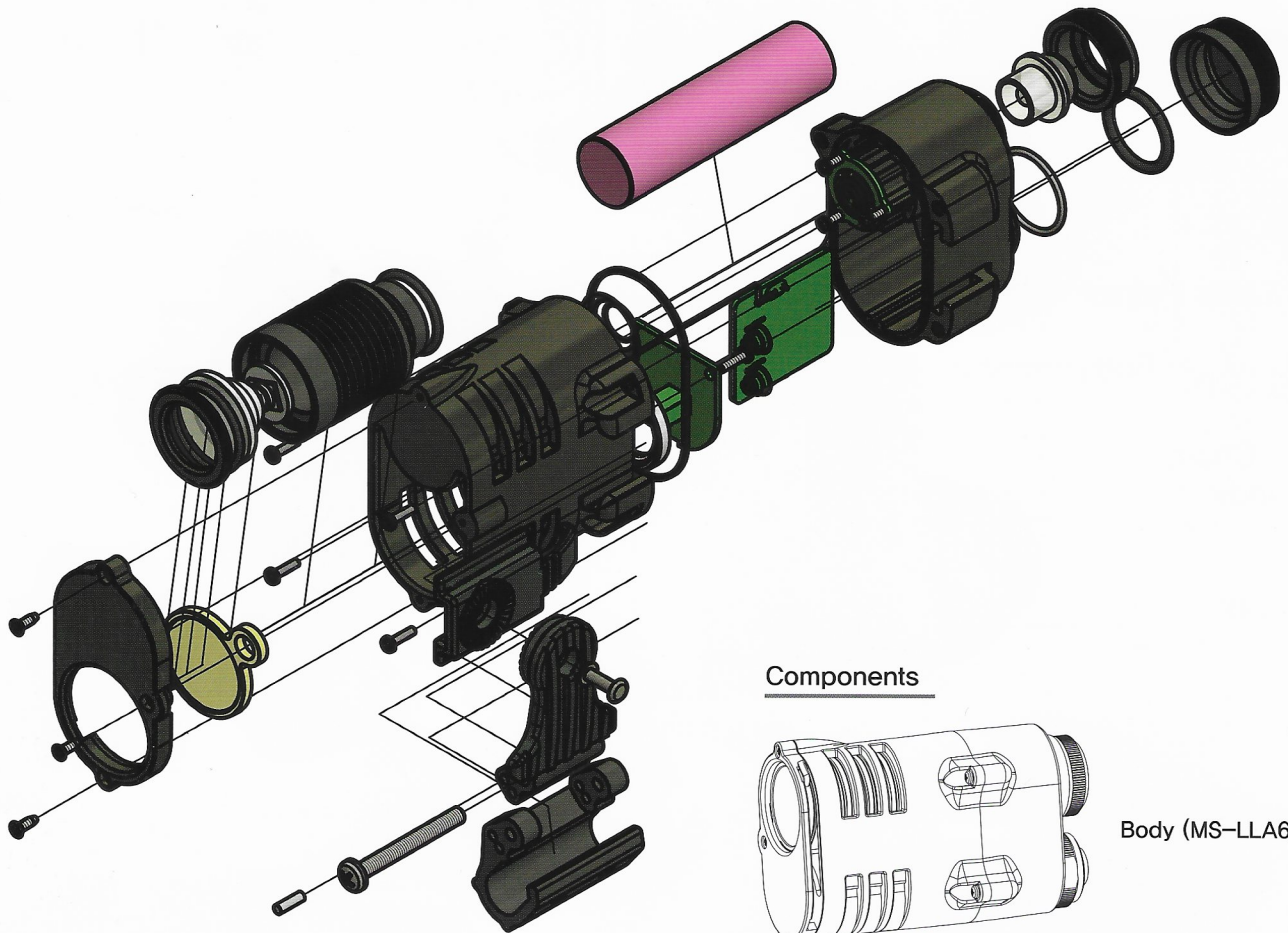


- KC certification No : MSIP-REM-mtw-MS-LLA6
- Patent No : 10-1666164
- Procurement identification number : 23266988

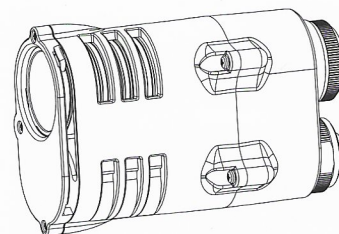
Features

1. Modern design
2. Increase LED efficacy with patented heat radiator system
3. Lighter than the existing helmet lanterns and easily detachable
4. Warning flash function & 3 levels of brightness control
5. Easy to identify in smoke by using yellow filter
6. Able to charge product through the existing USB ports easily
7. Able to locate others by attaching blue lamp

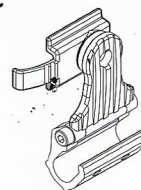
Assembly view



Components



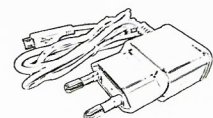
Body (MS-LLA6)



Helmet Bracket
(MS-LLA6 BK)



Fixing Wrench



Adopter

Specifications and Performance

Model Name	MS- LLA6
Lamp Output	5W
Color Temperature	5000~9000k
Lamp Weight	170g
Lamp Size	47×65×101
Water-Resistance	IP67

■ Battery

Battery type	Lithium-Ion Battery
Battery Capacity	3.6V, 2600mAh
Continuous Usage Time	High-2 hours, Low-8 hours

Smoke See-Through Lantern MS-LLA200

(Public Procurement Service registered product)



Patent
Acquisition
(10-1950177)



INNOBIZ



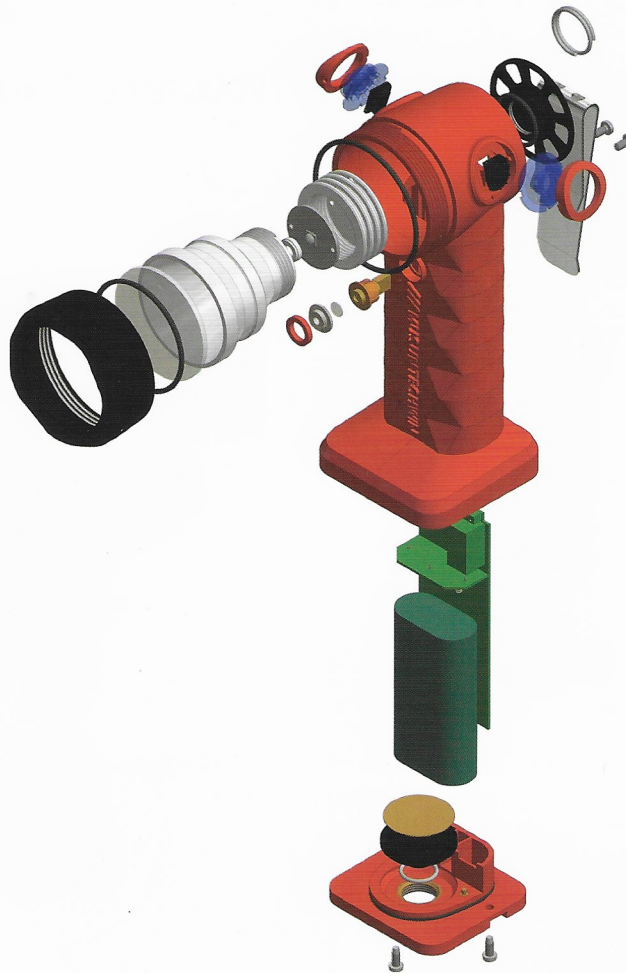
■ KC certification No.: MSIP-REM-mtw-MS-LLA200

■ Procurement identification number: 23346600

Features

1. 30% lighter than the existing products
2. Brightness increased by maximum 20% – Luminosity: 23,000cd (950LUX)
3. 5 levels battery remaining indicator
4. Hours of use – 1 hour and 50 minutes ~ 8 hours
5. Charging time – 2 hours and 30 minutes
6. Improvement in charging method – A cradle is used.
7. Water resistant – IP67
8. Personal protection alarm built in
– Functional switch is installed.
9. Resistant to heat, flame and shock
10. Patent registered
11. KFI authorization in progress

Assembly view



LLA200 Advantages

Design

Application of ergonomic design to minimize lateral vibration

Technology

Increased brightness by up to 20 percent, increased use time up to 8 hours, and patent applied for improving LED efficiency

Convenience

Designed Cradle charging system and application of battery level indication

Visibility

Able to check the operating status by applying light emitting switch

Safety

Increased position alarm output with improved speaker orientation

Portability

Innovative design for better grip and easy belt loop equipment

Performance & specifications

Body

Lamp type	Cree XM-L2 LED
Lamp output	10W
Luminosity	23,000cd (950 LUX)
Lamp life	More than 50,000 hours
Color temperature	5,000K ~9,000K
Weight	Less than 390g (Including a battery)
Size	75×66×166mm
Brightness Control	3 Level – Hi / Middle / Low

Battery

Type	Lithium-ion battery
Capacity	DC 7.4V / 2,600mAh
Hours of Use	1 hour & 50 minutes ~ 8 hours (In optimal condition)
Installation Method	Built-In / Cradle charging type

Charger

Input voltage	AC 100V ~240V
Output voltage	DC 12V
Charging	1.5A (Random change possible)

Smoke See-Through Lantern

MS-LLA120-U2



INNOBIZ

MS-LLA120-L

(Public Procurement Service registered product)



- KC certification No.: MSIP-REM-mtw-MS-LLA120-U2
- Procurement identification number: 22951342

Features

1. Internal Personal Safety Position Alarm

If the user has not moved for 15 seconds, the sensor will operate and make strong high note alarm (**Industry' s highest pitch: 95db**) and the lamp continuously flickers to quickly locate user' s position and rescue

2. Built - In Laser Pointer - Guide escape route in smoke.

3. High Quality Aluminum Reflector - See- through function improved, Light concentration improved

4. Durable high strength aluminum housing - Anodized

5. The body is very resistant to ultra high temperature and heat (Flame retardants were used.)

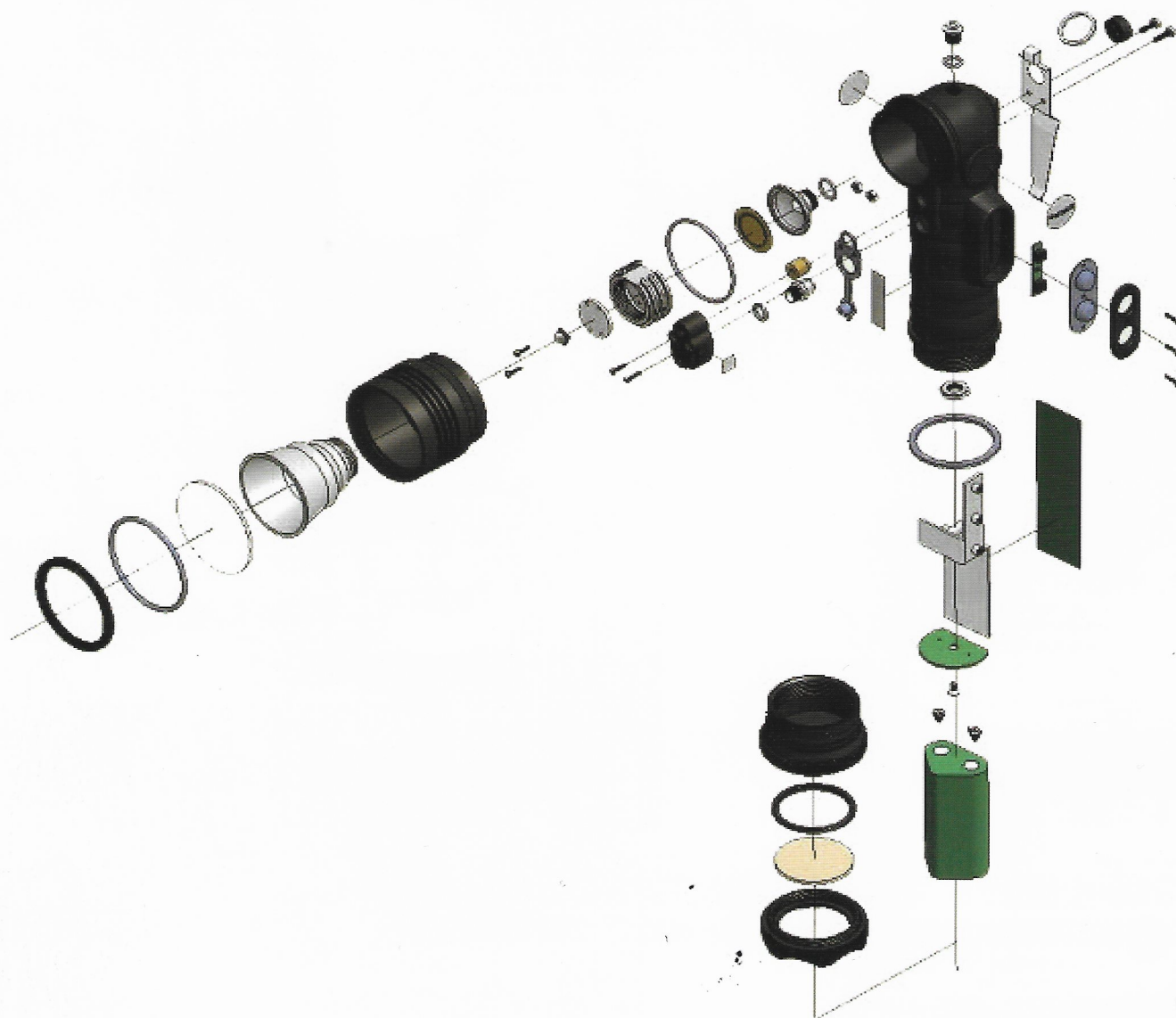
6. Charging hours - 2 hours and 30 minutes

7. Front glass - Heat strengthened glass resistant to heat and shock

8. The product is guaranteed for a year after the purchase

- The thorough after-sales service is guaranteed

Assembly view



Specifications & performance

Model Name	MS-LLA120-U2
Lamp Type	POWER LED
Lamp Output	10W
Lamp Life	More than 50,000 hours
Maximum Luminosity	More than 20,000cd
Color Temperature	5,000k~9,000k
Maximum Investigation distance	300M
Water-Resistance	IP67
Weight (Including battery)	440g
Smoke Filter	Built-in yellow filter for fog penetration

■ Charger

Input Voltage	AC110V-240V
Output Voltage	DC8.4V
Charging Time	2 hours and 30 minutes

■ Battery

Battery Type	Lithium-ion battery
Battery Capacity	DC 7.4V / 2,600mAh
Hours of Use	1 hour and 30 minutes ~ 8 hours

특수장비 Special Equipment

특허 출원
디자인 출원

Patent Application
Design Application

후방안전 종합 사인보드

Integrated Signboard for Rear Safety

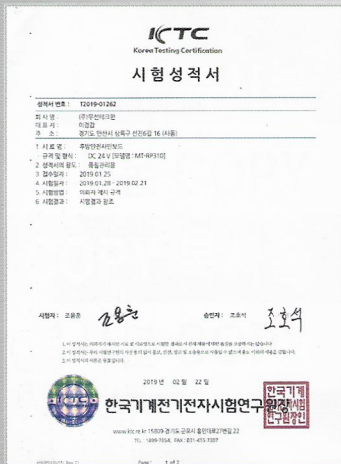
보이지 않는 어둠 속, 당신의 안전을 책임지겠습니다.

Take responsibility for your safety invisible in the dark.

후방안전 사인보드 특징 및 장점

Feature and Advantage of Rear Safety Signboard

- 주, 정차 상태에서 2차 추돌 사고를 방지하기 위한 장비
Prevent a secondary collision accident in the parked or stranded state.
- 5W 파워LED 160~240EA 적용, 후방 200~400M에서 식별가능
Apply 5W powerLED 160~240EA and identify the rear side far from 200~400M.
- 음성경고 및 적,청 경광등을 추가로 장착
Additionally equipped with an audible alarm and red and blue flashing lights.
- 운전석에서 간편하게 작동 가능
Easily operate it in a driver seat.
- 교체 및 정비를 쉽게 할 수 있는 구조
Easy to be replaced and repaired.



〈시험성적서〉
Test Report



〈펌프차, 물탱크차, 화학차〉
Pump Truck, Water Tank Truck, Chemicals Truck



〈구조 공작차〉
Rescue Truck



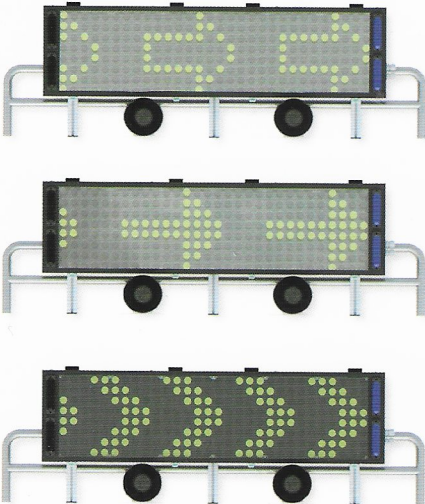
〈생활안전 구조차〉
Public Safety Rescue Vehicle

장비제원 Equipment Data

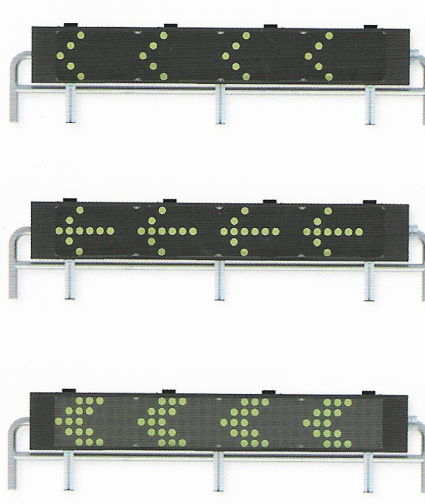
1. 하기 모든 제품의 SIZE는 수요부서의 요청에 따라 확대 및 축소 제작이 가능합니다.
2. 기존 운행 차량에도 간단히 추가 장착이 가능한 제품입니다.

1. Every product above can be produced in a bigger or smaller size as requested by the demand department.
2. They can be simply installed additionally into the existing vehicles.

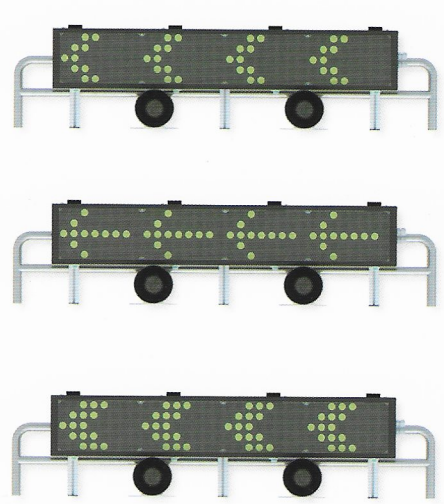
전면



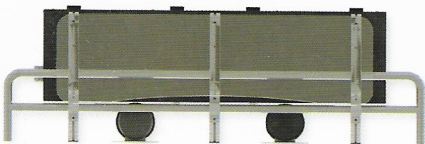
전면



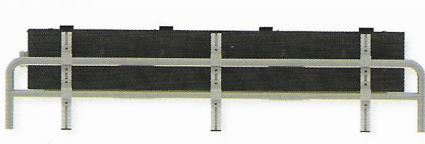
전면



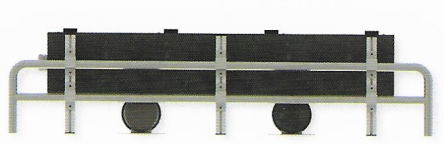
후면



후면



후면



MS-RP312

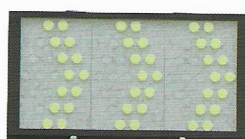
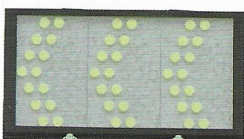
항목	규격	비고
SIZE	995*267*64 (1020*396*300)	
LED	5W급 Power [황색 / 적색] 5W-class Power [Yellow / Red]	240EA
경고등 Warning	좌우 적색/청색 경고등 Left/Right Red/Blue Warning Light	
경고음 Alarm	150W출력(75W*2EA) 150Watt(75W*2EA)	선택사항 optional
윈드가드 Wind Guard	920*300*3T	선택사항 optional

MS-RP311

항목	규격	비고
SIZE	1100*176*64 (1126*303*175)	
LED	5W급 Power [황색 / 적색] 5W-class Power [Yellow / Red]	160EA
경고등 Warning	좌우 적색/청색 경고등 Left/Right Red/Blue Warning Light	
경고음 Alarm	150W출력(75W*2EA) 150Watt(75W*2EA)	선택사항 optional

MS-RP310

항목	규격	비고
SIZE	1000*176*54 (1030*303*175)	
LED	5W급 Power [황색 / 적색] 5W-class Power [Yellow / Red]	160EA
경고음 Alarm	150W출력(75W*2EA) 150Watt(75W*2EA)	선택사항 optional



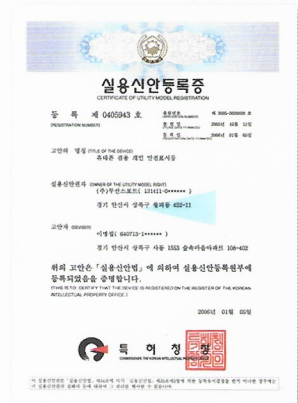
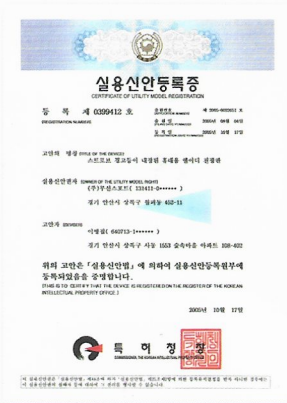
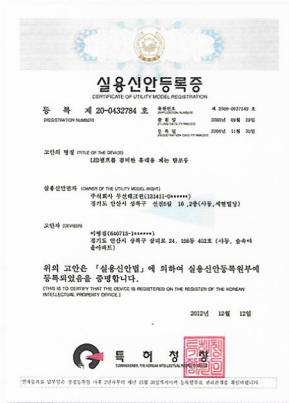
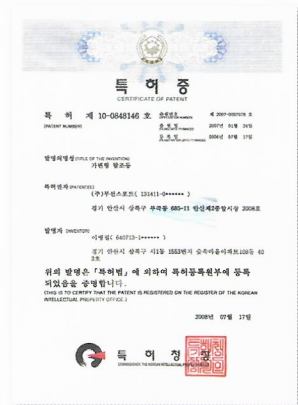
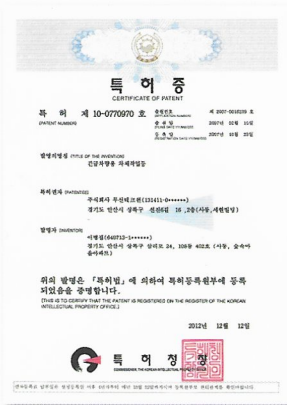
MS-RP313

항목	규격	비고
SIZE	496 * 267 * 54 (496 * 304 * 54) 2조 1세트 One Set of Two	
LED	5W급 Power [황색/적색] 5Watt Power LED [Yellow/Red]	150EA



MS-RP314

항목	규격	비고
SIZE	856 * 267 * 54 (856 * 396 * 300)	
LED	램프 타입 LED 적용 Apply lamp-typed LED	



Musun Techwin Co., Ltd.

2nd floor, Sehyeon Bldg., 16, Seonjin 6-gil, Sangnok-gu,
Ansan-si, Gyeonggi-do, 15633, Republic of Korea (Sadong 1496)
TEL. +82-31- 401-2002 FAX. +82-31- 405-9119
E-mail. musun4012002@hanmail.net