

For  
Your  
Safety  
Life

# GSL



**GSL** **GSL CORPORATION**  
[www.gslmask.co.kr](http://www.gslmask.co.kr)

# GSL KF94 yellow and fine dust mask

Blocks 99% of yellow and fine dust, and also various viruses

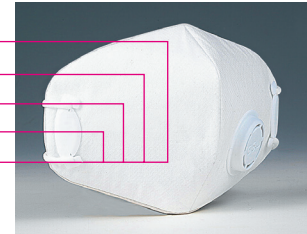
GSL's Innovative

New Product

1. Capable of blocking 99% of fine dust less smaller than 0.3 $\mu$ m, along with yellow dust, and harmful heavy metal dust through application of special electret filter

2. Exterminate 99% of various viruses, and blocks 99% of infections and contaminations through application of special antibacterial and bactericidal filter.

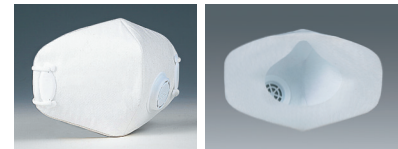
3. Use of Jesbon fabric on the surface  
 MB electret filter  
 MB electret filter  
 Supplementary fabric on the inner side  
 Antibacterial and bactericidal filter on the inner side  
**Antibacterial filter is attached**



※ Approval No. <2016B10049> by the Ministry of Food & Drug Safety for mask products with a quintuple structure filter layer

### Application areas

- ① Location with generation of fine dust containing large quantities of toxic compounds and heavy metals
- ② Location with generation of yellow dust
- ③ Location with generation of various viruses
- ④ Location with generation of various harmful dusts
- ⑤ Location with generation of exhaust
- ⑥ Hospital
- ⑦ Quarantine area
- ⑧ When a common cold is caught
- ⑨ Location with spraying of agricultural chemicals
- ⑩ Location with generation of pollen during springtime
- ⑪ When cleaning house



Product and prosthetic patented in Korea, China, India, and Vietnam



12 designs patented in Korea, China, India, and Vietnam



International patent applied in 32 Countries

## Fine dust

If fine dust containing toxic compounds and heavy metals accumulates in the human body, it becomes lethal. Fine dust contains large quantities of toxic compounds and heavy metals, and it induces various respiratory diseases, including acute or chronic bronchitis, pulmonary emphysema, rhinitis, and pneumonia, etc. by entering deep into the alveoli in the lungs and irritating the respiratory system. The diameter of fine dust is 2.5 $\mu$ m (micrometer), which is only 1/20 of the thickness of human hair, making it substantially more harmful than yellow dust. Therefore, it is essential to wear a GSL mask with its outstanding ability to adhere to the face and its collection efficiency to prevent fine dust from entering the lungs and causing respiratory diseases.



### 8000 / KF94 FOR CHILDREN (P2)

- USE : Lots of toxic chemicals and heavy metal dust, yellow dust, pollen, dust, flu, exhaust gas, agricultural chemicals, prevention of toxic gas and virus
- There is no fogging on glasses in winter season because of perfect contact on the face.
- There is no pain on the face even long time use because of comfortable wearing sensation.
- It is easy to keep it due to both cup-type and foldable type.



### 8800 / KF94 FOR ADULT (P2)

- USE : Lots of toxic chemicals and heavy metal dust, yellow dust, pollen, dust, flu, exhaust gas, agricultural chemicals, prevention of toxic gas and virus
- There is no fogging on glasses in winter season because of perfect contact on the face.
- There is no pain on the face even long time use because of comfortable wearing sensation.
- It is easy to keep it due to both cup-type and foldable type.



### 8808 / KF94 FOR ADULT (P2)

- USE: Lots of toxic chemicals and heavy metal dust, yellow dust, pollen, dust, flu, exhaust gas, agricultural chemicals, prevention of toxic gas and virus
- There is no fogging on glasses in winter season because of perfect contact on the face.
- There is no pain on the face even long time use because of comfortable wearing sensation.
- It is easy to keep it due to both cup-type and foldable type.

# Industrial Cup Type

## Product features

1. Cup type designed ergonomically
2. Head strap with comfortable wearing sensation



### 6000 / P1

- USE : DUST, GRINDING, CASTING, PULVERATION AND MIXING, DYEING AND COLORING CEMENT, CONSTRUCTION, MINING



### 6020 / P1

- USE : TEXTILE CHEMICAL, UNDER-COATING, TOBACCO, PRINTING, CASTING, AGRICULTURAL CHEMICALS, ORGANIC SOLVENT, BAD SMELL-PLACES
- CARBON FILTER ATTACHED, LOW DENSITY-ORGANIC SOLVENT, DUST, REMOVAL OF BAD SMELLS



### 6100 / P2

- USE : SHIP-BUILDING, WELDING, ASBESTOS MIST, SOLDERING, CASTING, FORGING, METAL FUME
- LOW BREATH RESISTANCE DUE TO EXHALATION VALVE



### 6200 / P2

- USE : METAL FUME, CASTING, ASBESTOS, DUST, MIST, WELDING, SOLDERING
- LOW BREATH RESISTANCE DUE TO EXHALATION VALVE
- CARBON FILTER ATTACHED, LOW DENSITY-ORGANIC SOLVENT, REMOVAL OF BAD SMELL

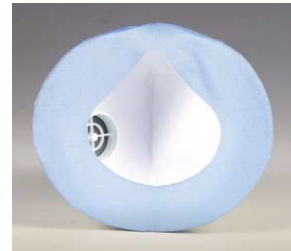
# Disposable Respirators (Cup and Foldable Type)

GSL's Innovative



## Product features

1. World's first innovative new product with separate felt-prop in accordance with face line
2. There are no pressure and pain due to ergonomical design of felt-prop
3. The part that the respirator reaches the face is made with fabric and also consists of double-cusson. So, workers do not almost inhale harmful dust because of good wearing sensation and adherence.
4. The respirator protects harmful dust perfectly as inside metal pin supply with excellent adherence.
5. It is possible to keep the respirator after folding it in half and it is easy to carry.



Patent



Design



International Patent Application

Product and prosthetic patented in Korea, China, India, and Vietnam

10 designs patented in Korea, China, India, and Vietnam

International Patent Application for 32 Countries



### 2301 / p1

- Use : dust, grinding, casting, material pulverization and mixing, figuration, spraying agricultural chemicals, dying and coloring, cement, construction, mining, etc.
- Outstanding touch and wearability
- Inlet and inhalation packing are separated
- As exhalation passes only through the exhaust hole, the filter doesn't wet.
- Inhalation resistance doesn't increase



### 3300 / p2

- Use : manufacture vessel, welding, asbestos-mist, soldering, metal foundry, casting, forge welding, metal fume, cement, construction, mine, medicine manufacturing, laboratory, power plant, etc.
- Outstanding touch and wearability.
- Inlet and inhalation packing are separated,
- As exhalation passes only through the exhaust hole, the filter doesn't wet.
- Inhalation resistance doesn't increase



### 3400 / p2 (carbon filter)

- Use : manufacture vessel, welding, asbestos-mist, soldering, metal foundry, casting, forge welding, metal fume, cement, construction, mine, medicine manufacturing, laboratory, power plants, etc.
- Added carbon to eliminate odor and organic solvent fumes
- Outstanding touch and wearability.
- Inlet and inhalation packing are separated,
- As exhalation passes only through the exhaust hole, the filter doesn't wet. ● Inhalation resistance doesn't increase



### 5300 / p3

- Use : manufacture vessel, welding, asbestos-mist, soldering, metal foundry, casting, forge welding, metal fume, cement, construction, mine, medicine manufacturing, laboratory, power plant and etc.
- Outstanding touch and wearability.
- Inlet and inhalation packing are separated,
- As exhalation passes only through the exhaust hole, the filter doesn't wet.
- Inhalation resistance doesn't increase

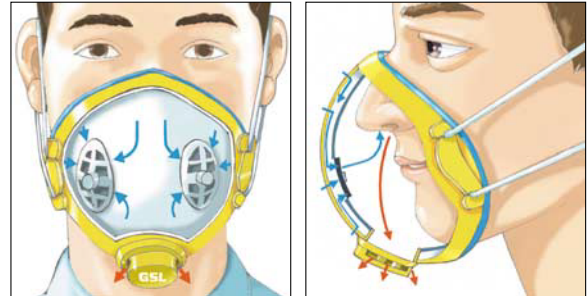
# Disposable Respirators (Cup-Shaped)

GSL's Innovative

New Product

## Advantages & Features of GSL's disposable respirators

- The World's First film formed innovative disposable respirator with the air inlet and vent separated.
- This product is designed for the user to breathe individually through air inlet and vent.
- As it adheres tightly to the face, the user inhales rarely any hazardous dust.



## Product features

1. The World's First film formed innovative disposable respirator with the air inlet and vent separated unlike any other existing disposable respirator.
2. Low breathing resistance owing to no moisture.
3. User can breathe for long hours, about 2~3 days, with no odor by breathing so on, as the respirator still stays dry without any humidity.
4. This product prevents misted glasses and mouth odor providing user with a pleasant work environment.
5. As it adheres tightly to the face, the user inhales rarely any hazardous dust.
6. Adjustable straps on the back of the head for comfortable fit.
7. The cost cutting due to reducing the cost of the consumables.



Patent



Design

International Patent Application

Shaping substance inhalation/exhalation and film formed Patented in Korea, China, India, and Vietnam

Whole

International Patent for 26 Countries



### 2000 / p1

- Use : dust, grinding, casting, material pulverization and mixing, figuration, spraying agricultural chemicals, dying and coloring, cement, construction, mining, etc.
- Outstanding touch and wearability
- Inlet and inhalation packing are separated
- As exhalation passes only through the exhaust hole, the filter doesn't wet.
- Inhalation resistance doesn't increase



### 3000 / p2

- Use : manufacture vessel, welding, asbestos-mist, soldering, metal foundry, casting, forge welding, metal fume, cement, construction, mining, medicine manufacturing, laboratory, power plant, etc.
- Outstanding touch and wearability.
- Inlet and inhalation packing are separated,
- As exhalation passes only through the exhaust hole, the filter doesn't wet.
- Inhalation resistance doesn't increase



### 3200 / p2 (carbon filter)

- Use : manufacture vessel, welding, asbestos-mist, soldering, metal foundry, casting, forge welding, metal fume, cement, construction, mine, medicine manufacturing, laboratory, power plants, etc.
- Added carbon to eliminate odor and organic solvent fumes
- Outstanding touch and wearability.
- Inlet and inhalation packing are separated,
- As exhalation passes only through the exhaust hole, the filter doesn't wet. ● Inhalation resistance doesn't increase



### 5000 / p3

- Use : manufacture vessel, welding, asbestos-mist, soldering, metal foundry, casting, forge welding, metal fume, cement, construction, mine, medicine manufacturing, laboratory, power plant and etc.
- Outstanding touch and wearability.
- Inlet and inhalation packing are separated,
- As exhalation passes only through the exhaust hole, the filter doesn't wet.
- Inhalation resistance doesn't increase

# Half Face Reusable Respirators

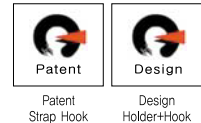
## Product Features

1. The faceseal made with non toxic soft silicone material provides the user with a super comfort without the pressure and trouble on the face.
2. The filters made with chemical-free material are highly efficient in the dust collecting.



### 6102 / P1 Round style–Single Inlet

- Use : dust, grinding, casting, material pulverization and mixing, figuration, pesticide spray, dying and coloring, cement, construction
- Chemical-free filter
- Low price compared to high quality



### 6202-1 / P2 Round style–Dual Inlet

- Use : welding, soldering, dust, mist, asbestos, shipbuilding, metal foundry, casting, forging, metal fume
- Chemical-free filter and effective filtering
- Removal of a trace of organic vapor and a pungent odor caused by welding



### 8201(M) / P2 Square–Dual Inlet

- Use : dust, mist, asbestos, metal foundry, casting, forging, metal fume, mining
- Easily detachable filter for replacement
- Removal of dust by tapping holder before use
- Chemical-free filter



### 8202(L) / P2 Square–Dual Inlet

- Use : dust, mist, asbestos, metal foundry, casting, forging, metal fume, mining
- Easily detachable filter for replacement
- Removal of dust by tapping holder before use
- Chemical-free filter



### 8107 / P2 Round Style–Single Inlet

- Use : welding, soldering, dust, mist, asbestos, shipbuilding, metal foundry, casting, forging, metal fume
- Low breathing resistance and effective dust filtering owing to containing HEPA filter
- Easily detachable filter for replacement
- Chemical-free filter
- Removal of a trace of organic vapor and a pungent odor caused by welding



# Half Face Reusable Respirator Dual Inlet

## Product Features

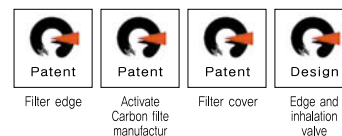
1. The faceseal made with nontoxic soft silicone material provides the user with a super comfort without the pressure and trouble on the face.
2. 9200/9300, highly efficient MB filters(P3) are not only chemical-free but also durable and provide lower breathing resistance. These filters can be used in various work environments especially including welding, brazing, metal pouring, soldering, exposure to lead, asbestos, cadmium.
3. 9200, highly efficient filters(P3) including the excellent activated carbon protect the user against a trace of organic vapor and a pungent odor caused by welding.



9000(M)



9001(L)



## Roundtype-Two Sided Dust Filters



### 9100 / Filter(P2)

- Use welding, shipbuilding, soldering, metal foundry, casting, forging, metal fume, asbestos, dust, mist, ozone, organic solvent
- The two sided filters including MB filter provide the excellent dust collection efficiency and the low breathing resistance
- The filters(P2) including the excellent activated carbon protect effectively the user against a trace of organic vapor and a pungent odor caused by welding



### 9300 / Filter(P3)

- Use : asbestos dust, casting, forging, metal fume, mist, smog(fog), toxic dust such as beryllium, radioactive dust, multi-dust
- The two sided filters including highly efficient MB filter(P3) provide the excellent dust collection efficiency and the low breathing resistance
- The filters(P3) provide the excellent dust collection efficiency for toxic dust, radioactive dust, especially asbestos dust



### 9200 / Filter(P3)

- Use : welding, shipbuilding, soldering casting, forging, metal fume, asbestos dust, mist, smog(fog), toxic dust such as beryllium, radioactive dust, ozone, organic solvent
- The two sided filters including highly efficient MB filter(P3) provide the excellent dust collection efficiency and the low breathing resistance
- The filters(P3) including the excellent activated carbon protect effectively the user against a trace of organic vapor and a pungent odor caused by welding and also are available for a long time



### 9200-1 / Filter Cover

- The filter cover protects the filter from a spatter caused by welding and keeps the lower breathing resistance



### 9200-2 / Respirator

- There are no headache and pain even long work because of soft material
- Streamlined hook of head strap provides easy handling to put on and off the respirator
- The respirator strap is made with elastic spandex rubber with good tensile strength

# Half Face Reusable Gas Respirator Single Inlet



8000

## Product Features

1. The faceseal made with nontoxic soft silicone material provides the user with a super comfort without the pressure and trouble on the face.
2. GSL's cartridges containing the excellent and the impregnated activated carbon provide the highly effective purification and adsorption.
3. Easily detachable gas cartridge for replacement because of one touch type.
4. Available for both dust respirator and gas respirator to prevent mist, dust, fume, organic vapor.

## Cartridges



### 3101

- Organic gas
- Use : printing, tobacco manufacture, pesticide spray, petrochemistry, painting, casting, organic vapor and odor.



### 3106

- Sulfurous acid(acid gas)
- Use : petrochemistry, refrigerant, medicine etc.



### 3102

- Organic gas and dust
- Available for both dust and gas



### 3102-1

- Dust filter(P1)
- Use : welding, shipbuilding, soldering, metal foundry, casting, forging, metal fume, medicine, multi-dust and mist



### 3105

- Ammonia
- Use : fertilizer, refrigerant, medicine, surface treatment of metal etc.



### 3102-2

- Cover for both cartridge and filter



# Half Face Reusable Gas Respirator Single Inlet



## Product Features

1. The faceseal made with nontoxic soft silicone material provides the user with a super comfort without the pressure and trouble on the face.
2. GSL's cartridges containing the excellent and the impregnated activated carbon provide the highly effective purification and adsorption.
3. Easily detachable gas cartridge for replacement because of one touch type.
4. Available for both dust respirator and gas respirator to prevent mist, dust, fume, organic vapor.

**8100**

## Cartridges



### 3107

- Organic gas
- Use : printing, tobacco manufacture, pesticide spray, petrochemistry, painting, casting, organic vapor and odor.



### 3109

- Sulfurous acid(acid gas)
- Use : petrochemistry, refrigerant, medicine etc.



### 3108

- Organic gas and dust
- Available for both dust and gas



### 3110

- Ammonia
- Use : fertilizer, refrigerant, medicine, surface treatment of metal etc.

# Half Face Reusable Gas Respirator Dual Inlet

## Product Features

1. The faceseal made with nontoxic soft silicone material provides the user with a super comfort without the pressure and trouble on the face.
2. GSL's cartridges containing the excellent and the impregnated activated carbon provide the highly effective purification and adsorption and also offer the low breathing resistance thanks to dual inlet design.
3. Easily detachable gas cartridge for replacement.
4. Usable as a dust respirator by replacing the gas cartridge with dust filter.
5. Available for both dust respirator and gas respirator to prevent mist, dust, fume, organic vapor.



**9000(M)**



**9001(L)**

## Cartridges



### 3201

- Organic gas
- General organic gas



### 3202

- Organic gas and sulfurous acid(acid gas)
- Use : organic gas, sulphur dioxide, hydrogen sulfide, hydrogen chloride, hydrogen fluoride etc.



### 3203

- Multi-gas
- Use : organic gas, sulfurous acid(acid gas), halogen, hydrogen sulfide, ammonia etc.



### 3204

- Available for both dust and gas
- General organic gas and dust



### 3205

- Halogen
- Use : fluoride, chlorine, bromine, iodine etc.



### 3206

- Hydrogen sulfide
- Use : petroleum refining, pulp, hides, dye, medicine manufacture etc.



### 3208

- Sulfurous acid(acid gas)
- Use : petrochemistry, refrigerant, medicine etc.



### 3209

- Ammonia
- Use : fertilizer, refrigerant, medicine, surface treatment of metal etc.



### 3210

- Available for both dust and gas
- General organic gas and dust



### 3210-1

- Dust filter(P2)
- Use : welding, shipbuilding, soldering, metal foundry, casting, forging, metal fume, medicine, multi-dust and mist



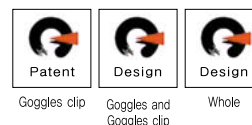
### 3210-2

- Cover for both cartridge and filter

# Full Face Gas Respirator(New Product)



**6000**



## Product Features

1. The surface made of high quality silicone rubber provides a soft fit, a comfortable wearability and no skin trouble.
2. Providing very comfortable wide range of view.
3. It offers the simple and clear appearance thanks to the goggle clip attached to inner side.

### ● Easy wearability

There is no harm to body, because the surface of this respirator is made of high quality rubber. As it sticks tightly to the face, it is greatly wearable.

### ● Wide view

The lens treated with a special coating provides a wide field of view and protects the eyes against the scratch.

### ● Anti-Fog

The lens treated with a special coating prevents a fog inside the respirator and the small mask inside of the respirator minimizes CO<sub>2</sub>

### ● Conversation function

Free conversation using the diaphragm installed inside the product.

## New Cartridges



**6001**

- Organic gas
- General organic gas



**6003**

- Multi-gas
- Use : organic gas, sulfurous acid(acid gas), halogen, hydrogen sulfide, ammonia etc.



**6002**

- Organic gas and sulfurous acid(acid gas)
- Use : organic gas, sulphur dioxide, hydrogen sulfide, hydrogen chloride, hydrogen fluoride etc.



**6004**

- Available for both dust and gas
- General organic gas and dust

# GSL Safety Belt

## Product Characteristics

1. Simple and safe one touch buckle
2. Light and strong aluminum part
3. Light and strong steel part
4. Light and strong rope
5. It is possible to control top and bottom of chest belt and to fix the chest belt.



5001 ALL PARTS IN STEEL



5010 ALL PARTS IN ALUMINUM



5020 ALL PARTS IN STEEL



5030 ALL PARTS IN ALUMINUM



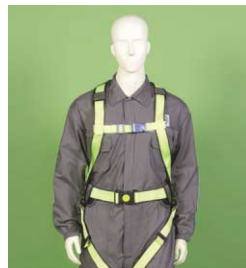
5050 ALL PARTS IN STEEL



5060 ALL PARTS IN ALUMINUM



5070 ALL PARTS IN STEEL



5080 ALL PARTS IN ALUMINUM

## SAFETY BELT

- General construction safety belt
- Hook : large, small diameter steel / AL
- Elastic string
- One touch buckle

## UPPER BODY TYPE – SAFETY BELT

- Upper body type - safety belt
- This is the model of upper body type without lower body part and It is convenient to put on and off the belt because of one touch buckle.
- Hook : large, small diameter steel / AL
- Elastic string

## FULL BODY TYPE OF SAFETY SWING

- Upper body type - safety belt
- This is the model of full body type with lower body part, without waist belt and it is convenient to put on and off the swing because of one touch buckle.
- Hook : large, small diameter steel / AL
- Elastic string

## FULL BODY TYPE OF SAFETY SWING WITH WAIST BELT

- Upper body type - safety belt
- This is the model of full body type with lower body part, with waist belt and it is convenient to put on and off the swing because of one touch buckle.
- Hook : large, small diameter steel / AL
- Elastic string

# Safety Shoe



## Product Features

1. Made of cowhide with zipper
2. Waterproof material(Free-tex) preventing any water penetration
3. Bulletproof material(kevlar) for sole
4. Its sole designed with non-slip material
5. Heatproof rubber sole up to 300°C
6. The sole is made with PU material for comfortable fit
7. Available for proper height model in various work environments



### 7100

- Height : 4 inch waterproof
- Color : Black
- Sole : Rubber / PU / E.V.A / Kevlar
- Upper : Cowhide / Free-tex
- Size : 240~290mm



### 7060

- Height : 6 inch normal
- Color: Black
- Sole : Rubber / PU / E.V.A / Kevlar
- Upper : Cowhide
- Size : 240~290mm



### 7001

- Height : 4 inch waterproof insulation
- Color : Black
- Sole : Rubber / PU / E.V.A / Kevlar
- Upper : Cowhide / Free-tex
- Size : 240~290mm



### 7080

- Height : 8 inch normal
- Color : Black
- Sole : Rubber / PU / E.V.A / Kevlar
- Upper : Cowhide
- Size : 240~290mm



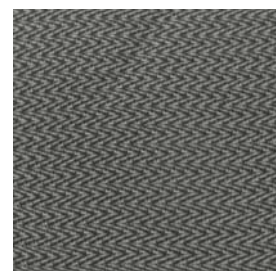
Kevlar(Front)



Kevlar(Back)



Top : 4 inch  
Bottom : 6/8 inch



Free-tex

# Safety Helmet



- 2001** 
- Korea Safety Certification acquired
  - Material : UV stabilized A.B.S
  - Use : mining
  - 100% leather lining
  - Exchangeable lining



- 2003** 
- Korea Safety Certification acquired
  - Material : UV stabilized A.B.S
  - Use : construction, multi-industry
  - Auto-adjustable headband
  - Light and comfortable fit
  - Exchangeable lining



- 2002** 
- Korea Safety Certification acquired
  - Material: UV stabilized A.B.S
  - Use : heavy and light industry, construction
  - Auto-adjustable headband
  - Exchangeable lining



Safety helmet combined with welding helmet

## Types of safety helmet

Type (mark)	Classification	Note
A	Preventing or decreasing a danger due to the falling or flying objects	
AB	Preventing or decreasing a danger due to the falling or flying objects, user's falling (Footnote 2-1)	
AE	Preventing or decreasing a danger due to the falling or flying objects and a hazard due to the electrical shock on the head	Withstand Voltage (Footnote 2-2)
ABE	Preventing or decreasing a danger due to the falling or flying objects, user's falling and a hazard due to the electrical shock on the head	Withstand Voltage

- Footnote 2-1 : It means the falling over 2-meter high, for example high place work, digging or loading and unloading etc.
- Footnote 2-2 : It means withstanding 7,000 volts

# Welding Helmet

## Product Features

1. High shock resistance and heat resistance by special nylon material
2. Providing user with perfect face protection from a spatter or a heat occurred by welding, because of a wide visor



### 2030 With handle

- Ultra light(280g), Easy use
- Korea Safety Certification acquired



### 2031 Attachable to the safety helmet

- Usefulness for head-protection with welding
- Korea Safety Certification acquired



### 2032 With headband

- Adjustable headband depending on user's condition
- Korea Safety Certification acquired





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