

SOLARZEN

Brochure

CABIN AIR FILTER

WORK LIGHT

CAMPING LANTERN

SOLARZEN
LIGHTING INNOVATOR

LED Work Light



SWL-280RAX



- 2 steps brightness
- UBS-C Charging
- Hook, Magnet

Brightness (Max) 1,100lm
Operating time 4~7hr



SWL-320R1



- **IPX7 Waterproof**
- 3 steps brightness
- Hook, Magnet

Brightness (Max) 1,600lm
Operating time 2~14hr



SWL-240 Flexible



- **Flexible**
- 2 steps brightness
- UBS-C Charging
- Magnet

Brightness (Max) 1,000lm
Operating time 4~8hr



SWL-3000RX



- **Replaceable battery cartridge type**
- 3 steps brightness
- 5/8 inch screw hole
- Rubber or magnet bracket

Brightness (Max) 2,600lm
Operating time 4~30hr

Traffic Control Light



SWL-180RF



- Red flashing function
- 2 steps (1step-lights, 2step-red)
- 5 steps angle adjustment, 180 degree swivel lamp head
- USB-C Charging
- Hook, Magnet

Brightness (Max) 1,000lm
Operating time 3~6hr



SWL-240RF



- Red flashing function
- Flash, 2 steps brightness
- UBS-C Charging
- Hook, Magnet

Brightness (Max) 800lm
Operating time 4~20hr



SCL-240RFU



- Red flashing function
- Flash, 2 steps brightness
- Power bank function
- UBS-C Charging
- Hook, Magnet

Brightness (Max) 800lm
Operating time 3.5~10hr



SWL-5000RAX



- Red, blue flashing function
- 3 steps brightness
- 5/8 inch screw hole
- Rubber or magnet bracket

Brightness (Max) 3,800lm
Operating time 2.5~50hr

Camping Lantern



SCL-200

2,500mAh

Brightness 10~400lm
Operating time 5~80hr



SCL-360

5,000mAh

Brightness 20~800lm
Operating time 7~120hr



SCL-450

7,500mAh

Brightness 30~1,200lm
Operating time 3~115hr



- 3 Color temperature (3,000K, 4,500K, 6,000K)
- Powerful magnet
- Power bank function (SCL-360, SCL-450)
- 1/4 inch screw hole (SCL-360, SCL-450)



3,000k



4,500k



6,000k

LED Flashlight



SCL-F10



- 2 steps brightness (Flash)
- Emergency signal, SOS functions
- Zoom in, Zoom out
- UBS-C Charging

Brightness (Max) 300lm
Operating time 4~6hr

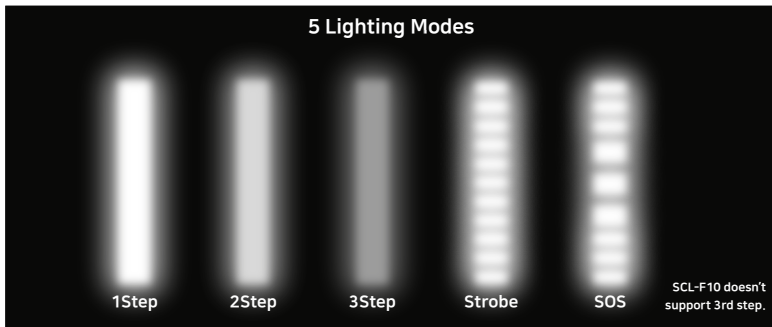


SCL-F15

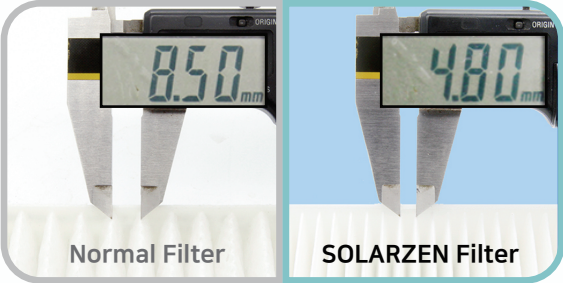


- 3 steps brightness (Flash)
- Emergency signal, SOS functions
- Zoom in, Zoom out
- UBS-C Charging

Brightness (Max) 400lm
Operating time 2~4.5hr



SOLARZEN HEPA Cabin Air Filter



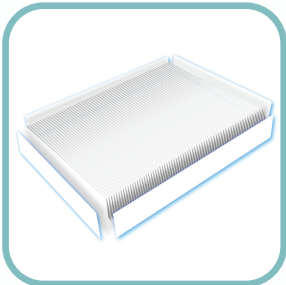
Excellent filtration efficiency



Melt-blown filter



Non-toxic hot melt adhesives



Solidity of filter

HEPA CABIN AIR FILTER

MADE IN KOREA

We research and produce on our own with made in Korea material.

HEPA Cabin Air Filter



HEPA Cabin Air Filter Test Report

2. Test result				
Antibacterial Activity Test (KS K 0693:2022)				
Test Items	Test Results			
	Pseudomonas aeruginosa (ATCC 9027)			
	2.6 x 10 ⁴	1.5 x 10 ⁴		
	2.1 x 10 ⁴	7.5 x 10 ⁴		
	< 20	< 20		
	6.0	4.6		
	99.9	99.9		
	Escherichia coli (ATCC 8739)			
	2.6 x 10 ⁴	1.5 x 10 ⁴		
	2.1 x 10 ⁴	7.5 x 10 ⁴		
	< 20	< 20		
	6.0	4.6		
	99.9	99.9		
	Klebsiella pneumoniae (ATCC 4352)			
	2.6 x 10 ⁴	1.5 x 10 ⁴		
	2.1 x 10 ⁴	7.5 x 10 ⁴		
	< 20	< 20		
	6.0	4.6		
	99.9	99.9		

Particle Size	Test Result (%)
0.3 ~ 0.5 μm	98.7
0.5 ~ 1.0 μm	99.3
1.0 ~ 3.0 μm	99.7
3.0 ~ 5.0 μm	99.9
5.0 ~ 10.0 μm	99.9

3. Test result				
Pressure loss (DIN 71460-1:2006-04)				
Flow rate	Test Results	Unit	Remark	
150 m³/h	28.8	Pa		
225 m³/h	41.1	Pa		
300 m³/h	59.2	Pa		

Flow Rate	Test Result (Pa)
300m³/h	59.2

- Initial fractional efficiency**
PM1.0 Filtration efficiency (< PM1.0μm) : **99.0%**.
- Antibacterial Activity**
The reduction rate of Klebsiella pneumonia, Escherichia coli, Pseudomonas aeruginosa is **99.9%**.

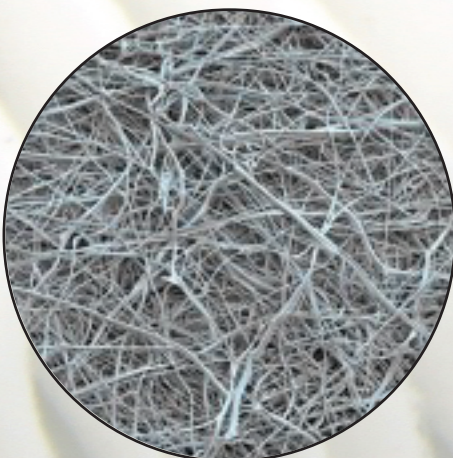
- Pressure loss**
The test result is **59.2pa at air flow rate 300m³/h** and the filter doesn't overload the automotive air conditioning device.
- Harmful substances**
The harmful substances (BIT, CMIT, MIT, OIT) were not detected.

What is **melt-blown filter** used by SOLARZEN?

Microfiber with a diameter of less than 10μm are randomly entangled with each other **to form a cobweb-like structure that makes it difficult for fine foreign substances to pass through.**

After static electricity process, it becomes filter that can capture ultrafine dust, this is the melt-blown filter.

SOLARZEN manufactured the filter using proven fabrics.



SOLARZEN

The LED work light, camping lantern
and cabin air filter supplied by SOLARZEN
are manufactured ourselves.



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