

VORTEX LED DESK LAMP

Built-In Filterless Samsung SPI Air Purifier



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PRODUCT INTRODUCTION



**ILLUMINATES YOUR READING
WHILE PURIFYING THE AIR AROUND YOU**

Brightest and Purest

FEATURES – LED DESK LAMP

- **Bright white 42 LEDs (light-emitting diode)**
- **Brightness of 1200 LUX with dimming modes**
- **50,000 hours of lifespan**
- **No flickering / No mercury / No UV radiation**
- **Energy saving – 10 watts**
- **Environmental friendly**

LASTS UP TO 28 YEARS*

SAVES \$286.00 ON UTILITY BILLS**

REDUCES EYE STRAINS

3 DIMMING MODES

**READING
(1200 LUX)**

**RELAXING
(600 LUX)**

**BEDTIME
(150 LUX)**



* Based on 5 hours/day usage

** based on average of \$.11/KwH over the life of the lamp

FEATURES – AIR PURIFIER

- **Samsung SPI air purifier**
- **Filterless and no maintenance**
- **Lifespan of over 10 years**
- **Eliminates over 99% of harmful air contaminants**
- **Coverage up to 175 sq. ft.**



SUBSTANCE	EFFECTIVENESS	CERTIFIED BY
Influenza virus type A	99.7% Elimination	Kitasato Environmental Science Center
	99.6% Elimination	Yonsei University
Corona virus (Strain of SARS-Corona Virus)	99.6% Elimination	Kitasato Medical Center
Penicilium	98.4% Elimination	Kitasato Environmental Science Center
Asperillus	96.4% Elimination	
Cladosporium	98.9% Elimination	
Staphylococcus aureus	99.96% Elimination	
Micrococcus	99.86% Elimination	
MRSA (Methicillin-resistant Staphylococcus aureus)	99.99% Elimination	
Mold(Staphylococcus aureus / E.coil)	99.9% Elimination	
Allergen(Dust Mite, Cat / Dog Allergen)	Effectiveness certified	Acquired British Allergy Foundation(U.K) Seal
	Effectiveness certified	Research Triangle Institute Test(U.S.A)
Indoor contaminants	Over 90% Elimination	Shanghai Ji-Kong Assessment Center for safety & health
Animal toxicity test	Non-toxic	Seoul Toxicology Laboratory



BENEFITS – LED DESK LAMP

	LED Desk Lamp by Vortex	Compact Fluorescent Lamp (CFL)	Incandescent Light Lamp
Lifespan	50,000 Hrs	8,000 Hrs	1,000 Hrs
Watts	10 Watts	13 ~ 15 Watts	60 Watts
Contain Toxic Mercury	No	Yes	No
Flickering (Eye Strain)	No	Yes	Yes
UV Radiation	No	N/A	N/A



ENERGY SAVING



**LED Bulbs (12w)
50,000 Hours**

Bulb Life

Comparison with conventional lights sources

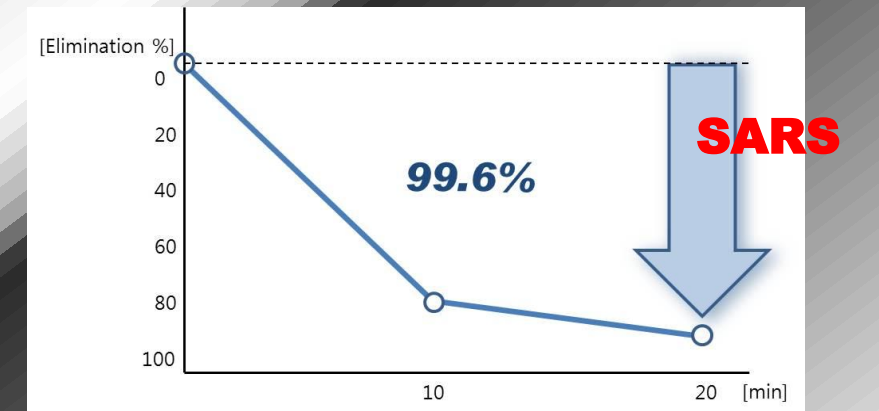
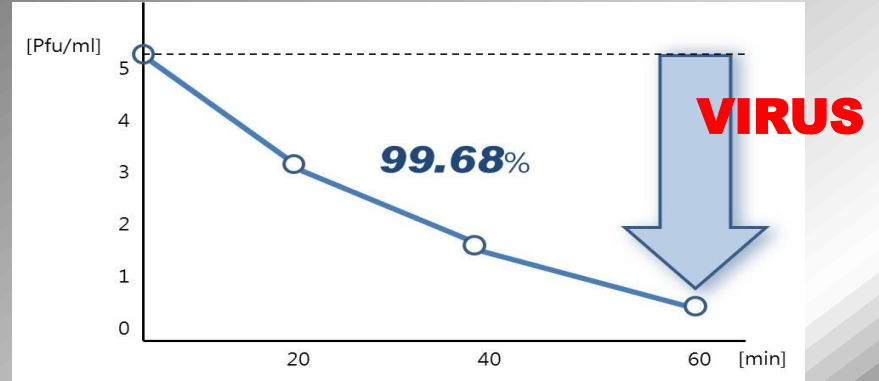


**CFL Bulbs (23w)
Compact fluorescent bulbs
8,000 Hours**



**Incandescent
Bulbs (75w)
1,000 Hours**

BENEFITS – AIR PURIFIER



BENEFITS – AIR PURIFIER - CONTINUED

[CLICK TO VIEW](#)

ABOUT SAMSUNG SPI



HOW IT WORKS



CERTIFICATIONS

EFFECTIVNESS HAS BEEN CERTIFIED BY MANY 3RD PARTY ACADEMIC RESEARCH ORGANIZATIONS WORLD WIDE WITH 81 PATENTS

Measurement of Ozone released



**H1N1 Virus
ChoongNam University**

시험성적서

1. 시범 목적
2. 시범 방법
3. 시범 결과
4. 시범 일자

시험결과

1. 시범 결과
2. 시범 방법
3. 시범 일자

시험보고서

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Ozone released: 0.007ppm

Maximum amount of Ozone allowed in FDA: 0.05ppm

Maximum amount of Ozone allowed in electronics: 0.01ppm

Measurement of-Ion released



**Avian Influenza
Retro Screen**



-(- Ion) released: 2.018.000 ION/cc

-(- Ion) in healthy environment: 1000/cc

-Niagara Falls: Approximately 100,000

Additional certifications available upon request

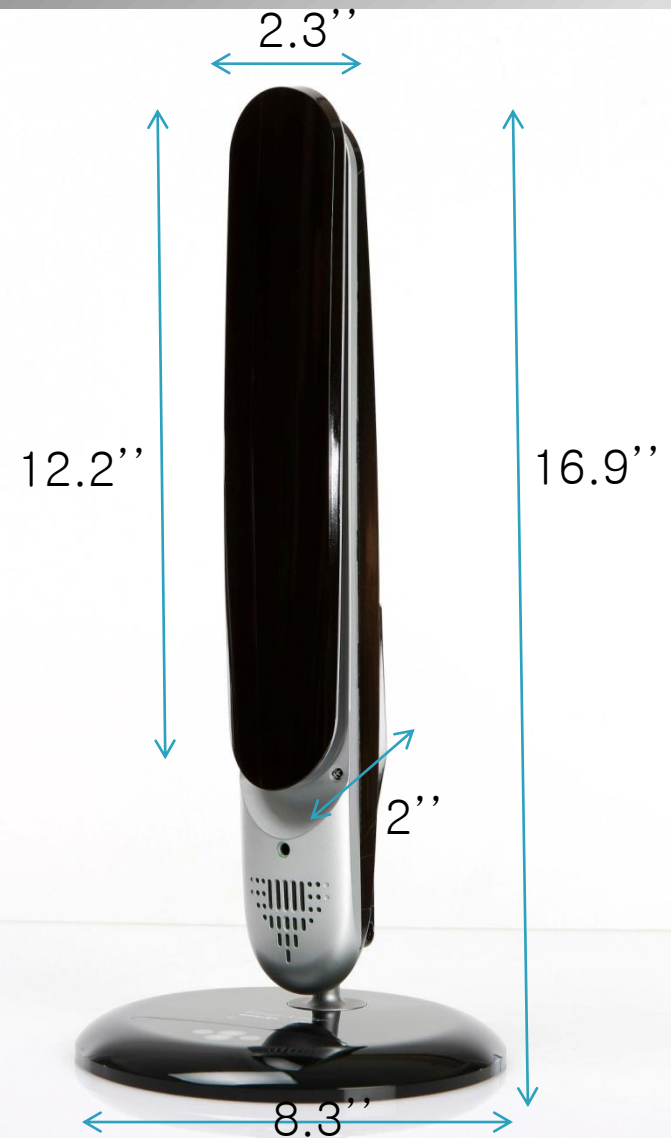
SPECIFICATIONS



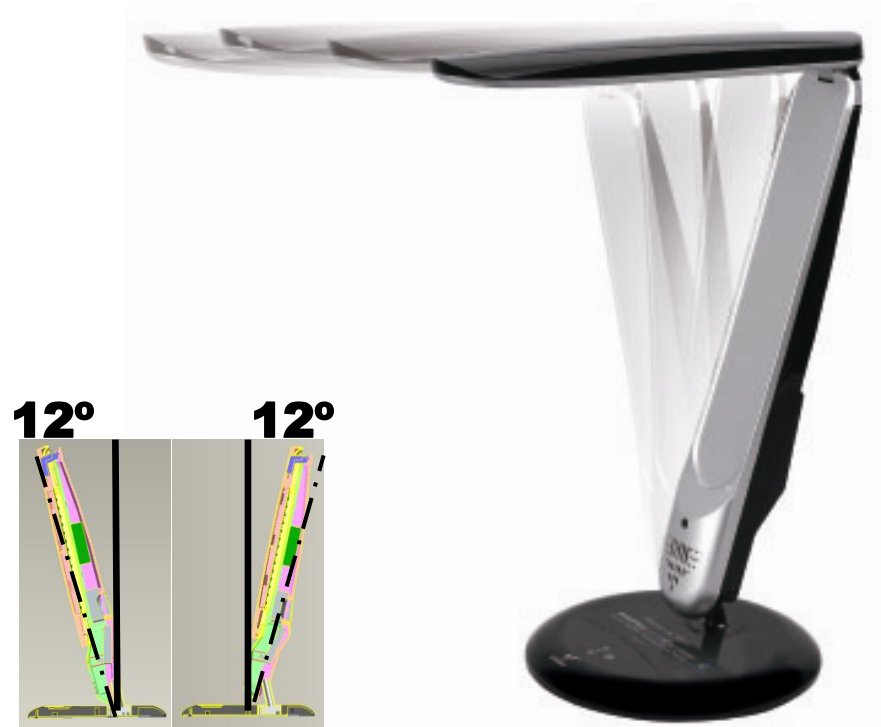
Carton

NET WEIGHT 3.35 lbs

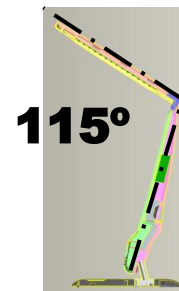
GROSS WEIGHT 4.6 lbs



SPECIFICATIONS - Continued



FLEXIBLE MOVEMENTS
WIDE ADJUSTMENT JOINTS



APPLICATIONS



APPLICATIONS



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THANK YOU

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