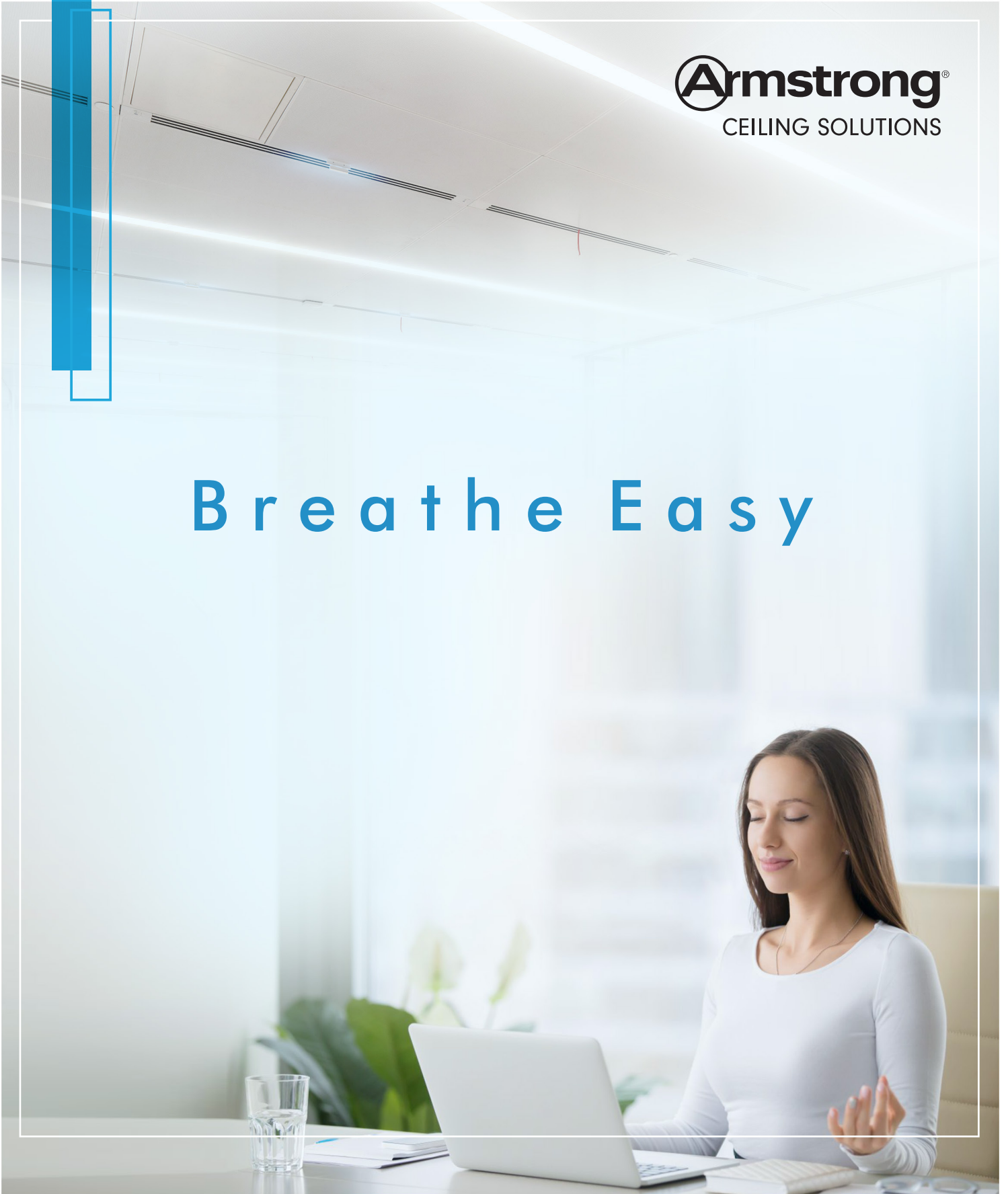


# Breathe Easy



UV-C Luftreiniger by

**KNAUF**CEILING  
Solutions



\*Blue light is for representation purpose only.



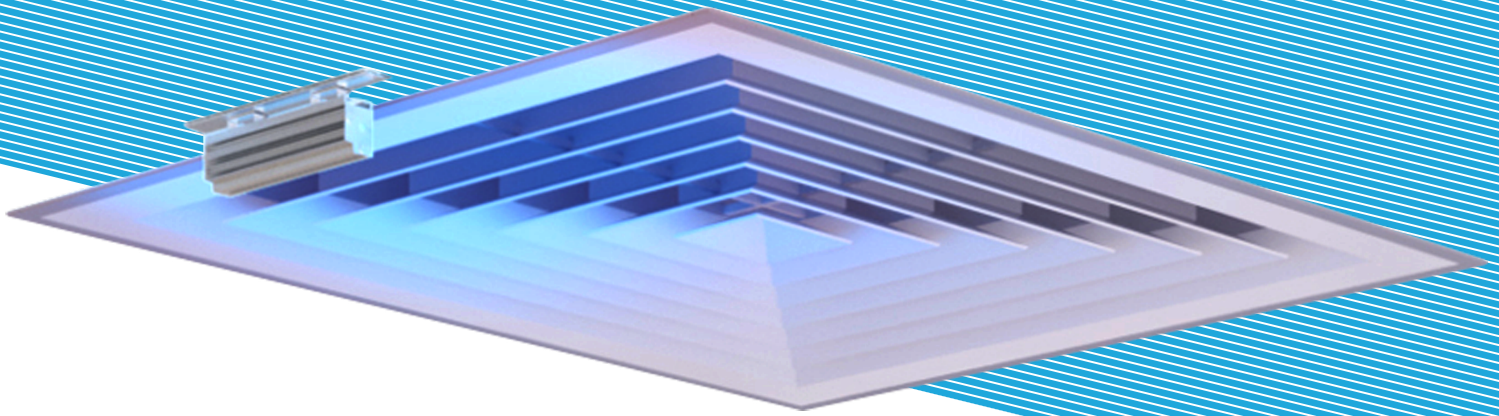
# HEALTH IS THE NEW AESTHETIC

Great designs are products of vivid imagination, sensibility and innovation. We spend notable time indoors, at work or at home, and during that time it is important to breathe healthy air. High microbial loads in it can cause potential risks to health. With the growing demand for healthy spaces, there is a need to achieve better indoor air quality.

# UV-C; THE NEED OF THE HOUR



Air purifying solutions like aerosol-based sanitizer sprays, ozone lamps, and UV-C devices enhance indoor air quality, however, even the most popular method of spraying sanitizer requires repeated application and is limited to purifying surfaces alone, whereas UV-C is much more effective on air borne microorganisms.



## LAUNCHING THE FIRST UV-C LED BASED AIR PURIFIER: UV-C LUFTREINIGER

Presenting UV-C Luftreiniger, a UV-C LED based air purifier which is highly effective, with a long working life. UV-C Luftreiniger air purifying device, mounted on Knauf Ceiling Solutions grids and placed adjacent to an airflow source like HVAC diffusers or Ceiling fans, can continuously purify the air that passes over it and helps maintain healthy indoor air quality.

### Key Features



**Safety Certified – Complying with ISO 15858:2018 international standard for UV products manufacturing process and products safety for humans.**



**CE Certified Product for electrical reliability and safety**



**RoHS Compliant**



**Easy/Zero maintenance**



**Continuous air purification**



**To be installed on Knauf Ceiling Solutions grids with proprietary fixtures**



**Extremely low operating cost**



**Operating life of 20,000 hours with 100% efficiency.**



# KEEPING CEILINGS THAT ARE STYLISH, SAFE

## Benefits of a ceiling-fitted purifying device.

When mounted on the ceiling near an airflow source like HVAC diffusers or ceiling fans, the UV-C Luftreiniger is continuously purifying the air passing over it thereby maintaining healthy indoor air to the people working below.

UV-C Luftreiniger is manufactured as per ISO 15858:2018 requirements. By simply mounting UV-C Luftreiniger adjacent to an air flow source the results are highly effective.



# TECHNOLOGY THAT KEEPS US AHEAD

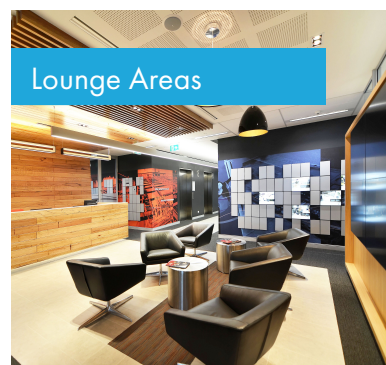
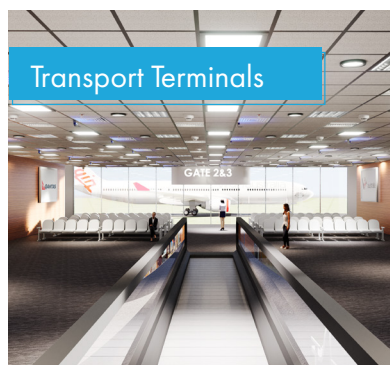


Technology ignites innovation and at Knauf Ceiling Solutions we thrive on innovation. Here's how we ensure that our hi-tech ideas give UV-C Luftreiniger's performance an impetus.

LED Dimensions	110 x 12 x 6 mm
Product Dimensions with Casing	120 x 32.4 x 19 mm
Description	Value
Enclosure	Aluminium extrusion casing anodized in natural shade
Surface Treatment	Anodization followed by dip coating with special nanomaterial dispersion of 10 to 42 nm size composite silver & titania particles
Lamp Type	UV-C LED, AlGaIn based material using Evaporation Induced Lithography, RoHS Compliant
Maximum Germicidal Wavelength	253.7 nm
Broad Germicidal Wavelength range	250 -270 nm
Lamp Life	20,000 hours @ 100% efficiency
Heat Sink	Material – Al 6061 series, with conductive coating
Voltage	230/110 V AC
Frequency	50/60Hz
Power Consumption	Maximum 12.5 to 14.2 VDC, 1A
Mode of Operation	<ul style="list-style-type: none"> <li>· Continuous In Situ Operation</li> <li>· Fixed into proprietary fixture using proprietary clips near the diffuser on the ceiling</li> </ul>
Power Adapter	<ul style="list-style-type: none"> <li>· RoHS Compliant</li> <li>· Input-230 /110 VAC</li> <li>· Output-12V DC, 1A</li> </ul>

# THE PERFECT SPOTS FOR UV-C LUFTREINIGER

From crowded enclosed spaces to health sensitive areas, UV-C Luftreiniger finds use in every space and continuously purifying the air in indoor spaces such as:



To be installed by certified electrician and as per the manufacturer's instructions.



  **CAUTION**

1. Like any purification system, UV-C LEDs and devices must be installed and used in the correct way (Please follow the installation manual as provided by Knauf Ceiling Solutions - KCS). Direct exposure to UV-C can be dangerous and result in a sunburn-like reaction to the skin and serious damage to the cornea.
2. As UV-C is invisible to the eye, the UV-C Luftreiniger device must be installed together with adequate safeguards to ensure that the UV-C Luftreiniger device can be operated in a safe way. The UV-C Luftreiniger device are only to be used as components in a system that consists of adequate safety safeguards such as, but not limited to, those indicated in the mounting instructions and/or user manuals.
3. Direct exposure to UV-C is dangerous. KCS UV-C Luftreiniger device must only be sold through KCS appointed/qualified partners and installed by professionals according to our stringent safety and legal requirements. KCS UV-C products are not meant to be used in applications or activities which may cause and/or lead to death, personal injury and/or damage to the environment



For more information on safety of Upper Air UV, refer to the NIOSH guidelines