The **Greenlight** air purification system for classrooms is designed to comply with the latest guidance from the engineering bodies ASHRAE and Ontario Society of Professional Engineers.

ASHRAE ®

Design Guidance for Education Facilities:
Prioritization for Advanced Indoor Air Quality
Version 2.0

ASHRAE ®

ASHRAE Standard 241-2023

Control of Infectious Aerosols

SAFER INDOOR AIR

Core Recommendations for Safer Indoor Air

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ONTARIO
SOCIETY OF
PROFESSIONAL
ENGINEERS

These establish a new paradigm in ventilation: Very high Equivalent Clean Air (ECA) rate and low energy. ECA means clean outside air and recirculated air filtered and treated to be as clean as clean outside air.

The **Greenlight** system starts from the base of a commercial air purifier that has sold over 100,000 units worldwide and adds new custom features that optimise its application in a classroom setting.

Each air purifier unit includes **H13 class HEPA** and activated carbon filters and **UV-C** disinfection.

WiFi and smart app provide capability for remote setting of On-Off time schedule and fan speeds for the classroom group of three units.

Power cable configuration allows 'daisy-chain' linking of the three units from one single power outlet.
Cables run in surface mount UL rated cable trunking.

Three high wall-mounted units with polycarbonate air deflectors ensure airflow patterns maximise mixing but don't blow air across occupants.

Front of unit provides large area for educational poster material, so classroom doesn't lose wall space.

Wall mounted brackets come with vibration dampening pads.

Filters and UV-C lamps are easily accessed from the front for service.

A high wall mounted HEPA/UV-C Air Purifier, one of three in a smart classroom system.

Technical details for Greenlight classroom air purification system

Specifications for AP3000ic Air Purifier (three of which included in each system)

Style	Wall mount, front access for filters & lamps
Air flow directions	In: Front left, right & bottom
Filters and Disinfection **Recommended filters change** **UV-C lamps life**	Pre-filter, H13 class HEPA 17 sq ft of media Activated Carbon, UV-C (2 lamps) 1,600 –2,000 hours 15,000 hours
Air flowrate, noise, and power draw Fan Speed 1 Fan Speed 2 Fan Speed 3 Fan Speed 4	 53 CFM, 15 dBA, 10W, 0.15A 82 CFM, 28 dBA, 14W, 0.20A 147 CFM, 42 dBA, 26W, 0.34A 182 CFM, 63 dBA, 55W, 0.75A
Control method for On-Off and Fan speed schedule settings	Smart via WiFi (Tuya app) plus handheld remote
Voltage rating **Power cable** **Certification**	120 VAC UL SPT-2, 18AWG, NEMA 1-15P cETLus
Dimensions **Weight**	16 in (W) x 25 in (H) x 7 in (D) 22 lbs

Installation accessories and spare parts

- **Wall mount bracket**
  with vibration dampening pads
- **Polycarbonate air deflectors** (mounted at ceiling level), with adhesive strips and noise reduction pads
- **Cable assemblies: cULus, UL SPT-2, 18AWG, NEMA 1-15, 125 VAC 15A**
    ◊ 1 4ft power, 1 20ft power
    ◊ 2 splitters, 1 ea 15P to dual 15R
    ◊ 2 interconnecting, 15ft, 15P to 15R
- **Cable trunking kit, surface mount**
  UL 94V-0 rated
- **First replacement of expendable parts**
    ◊ 1 ea H13 HEPA and Activated carbon filters, 2 ea UV-C lamps

GREENLIGHT CANADA

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KEEPING AIR SAFE FROM INFECTIOUS AEROSOLS AND WILDFIRE SMOKE