



Quasar

In Duct UV Air Purification System



5 Holt Drive,
Stony Point, NY 10980
845-947-3034
www.tslight.com

Dimensions

- 7.75" x 23.25"
- 16 lbs.

Technical Specifications

- **Voltage:** Choice of 120V or 220V 50/60 Hz
- **Power:** 125W
- **Current:** 0.6A@ 220V, 1A @120V
- **Wiring:** Hardwired
- **UV Lamp Type:** T8 Phillips UV
- **UV Wavelength:** UV-C, 253.7nm, Germicidal
- **UV Lamp Style:** Straight
- **Number of Lamps:** 4
- **UV Lamp Length:** 18"
- **Replace Lamp Period:** 2 Years (18,000 Hours)

Remote Mounting



The Quasar has a low voltage remote mounting option featuring:

- Safe, low voltage operation
- **Compact design**
 - 10.5cm x 13.5cm x 7cm
 - 4.15" x 5.31" x 2.75"
- Mountable up to 15 meters / 50 feet when using Universal UV Solutions™ wire
- IP 66 rated NEMA box
- **All standard display operations:**
 - Lamp fault indication
 - Lamp expiration indication
 - Days left counter
 - Building management system integration (optional)
 - Audible alarm
 - Hour counter

Features

- Germicidal (253.7nm) UV-C in duct air purification system
- **Operating Voltage:** Choice of 120V or 220V 50/60Hz
- Programmed start ballasts for maximum lamp life
- Natural, generates no pollution and does not use harmful chemicals
- Duct pressure activation
- 750 days (2 year) lamp replacement cycle
- Improved indoor air quality
- Adjustable length arms for optimal in-duct lamp placement
- Failed lamp(s) indication
- **Optional product features:**
 - Lamp malfunction detection
 - Lamp expired indication
 - Self-diagnostic at power-up
 - Audible and visual alarm
 - Hours counter for lamp replacement
 - BMS C-NO/NC (optional)

Installation

- Before installation, ensure that any plastic or exposed wiring is covered by a UV-resistant material such as rubber, Teflon, silicone or aluminum tape. All HVAC equipment should be turned off during installation.
- Locate the vacuum sensor on the inside of the Quasar™ cover. This sensor must be oriented in the same direction as airflow.
- Cut a 21 x 6" (53.3 x 15.3cm) sized opening in the duct work at the chosen installation location.
- The Quasar features adjustable-length arms for optimal duct placement. For installation of 1 unit, optimal placement is at the center of the duct. For 2 unit installations, each unit should extend approximately 1/3 of the way into the duct on each side.
- Once lamp mount arms are adjusted and locked, apply the air leak gasket, insert the Quasar lamp mount first, into the duct work opening. Use the provided screws to mount the unit to the duct work.

Display Operation

The Quasar™ display features a 4 digit, digital readout that monitors lamp operation.

If the system detects any issue with the lamps the following will occur:

- The corresponding lamp number will blink as a visual alarm
- The system will generate an audible alarm
- The system will communicate the error via a building management system (BMS) (optional)
- When the lamp timer expires after 18000 hours of usage, the display will scroll: REPLACE ALL BULBS
- When there is no air flow the display will scroll: "UNIT IN STANDBY"
- To reset the lamp timer, scroll to the days left screen, press and hold the "MODE" button for three seconds.
- To display the number of days the lamps have been used, tap the MODE button once.
- To disable the audible alarm, scroll to the beeper screen, press and hold the "MODE" button for three seconds

LAMP NUMBER



*Specification sheets are subject to change without notice.