

19.4 Replacing The Bandpass Filter

19.4.1 The S2000 includes a bandpass filter to limit the wavelengths of light for your application. There are 5 bandpass filters available, which are selected at the time of purchase

Part #	Description
P019-01045R	Filter 365 nm
P019-01046R	Filter 250-450 nm
P019-01047R	Filter 400-500 nm
P019-01048R	Filter 320-390 nm
P019-01049R	Filter 320-500 nm

Table 9 Replacement Filter Part Numbers

19.4.2 The bandpass filter currently installed on your S2000 system will be identified on a label located on the back panel of the system. To change the bandpass filter, the system must be returned to your local Lumen Dynamics Service Centre. See section 0– Contact Information to find the nearest service centre.

19.5 Light Guide Cleaning

Instructions for cleaning the light emitting end (output) of the light guide

Materials:

- Lens Tissue sheets
- Optical Swabs
- IPA (Isopropyl Alcohol) solution
- Wooden stick (eg; tongue depressor/popsicle stick)

Caution:

Before using Isopropyl Alcohol consult the manufactures MSDS Sheets for proper handling and storage.

Caution:

Never look directly into the light emitting end (output) of the light guide. The light could severely damage the cornea and retina of the eye. Protective eye wear must be used at all times and always turn the system off before removing the lightguide.

Notes:

1. The staining which appears on the light emitting end of the light guide is the result of gaseous burn-off from the UV adhesive.
2. Inspect light guide optical input port of R2000 Radiometer for signs of residual gaseous burn-off powder/dirt, transferred from the light emitting end of the light guide, clean as stated below.
3. Never apply a dirty tissue/swab to the end of the light guide or R2000 optical input port.
4. Never use a razor blade or any other metallic apparatus to scrape off adhesive build up from the quartz lens on the light emitting end of the light guide. This may cause permanent damage (scratches) to the quartz lens.

Procedure:

1. Turn off power to the UV spot curing system and let the light guide cool down for at least 10 minutes.
2. If required, remove light guide output end from the production fixture.
3. Remove the light guide from the light guide port of the UV spot curing system.
4. Place the protective cap onto the light guide input end while cleaning output end.
5. Wipe output end of light guide with non-abrasive lint free lens tissue or optical swab saturated with an IPA cleaning solution until the staining has disappeared.
6. For excessive adhesive build up on the light emitting end lightly scrape the adhesive build up with a wooden stick such as tongue depressor/popsicle stick. Take care not to damage the quartz lens.
7. Re-install the light guide as per the instructions located in the relevant UV spot curing manual/user guide.
8. For cleaning R2000 optical input port; wipe surfaces with non-abrasive lint free lens tissue or optical swab saturated with an IPA cleaning solution until the staining has disappeared. Care is to be taken to avoid puddling/over saturation of input port.