Light source: L-1  S-1
Slide holder: L-1  S-1
All else: P-2  S-1

Remove the focusing lens from the light source and replace it with the special slide holder. Place the light source and the combination lens and grating platform at the front center of the lecture table, pointing toward the screen at the front of the room, and adjust the height of the source to that of the lens. Place in the slide holder a slit of variable width. Darken the room completely. Now place in the beam, on the circular platform, a grating of approximately 3000 lines/cm. Several orders of reinforcement of the continuous spectrum are clearly visible on the screen.

Note: This demonstration can be accomplished by using a prism instead of a grating, but the grating is perhaps the more satisfactory. It is certainly the more satisfactory from the standpoint of continuity when this demonstration is followed by one showing line spectra (PF-3). A prism is furnished so that, if you wish, you may use it instead of (or even in addition to) the grating.