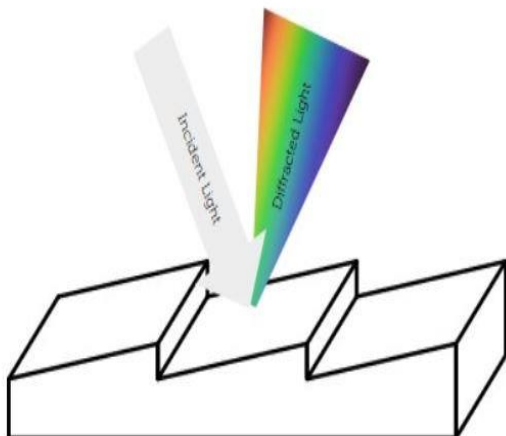


Gratings and Turrets

Multi-grating turrets are used to achieve efficient light throughput over a broad spectral range. Turrets make grating changes an easy push-button or computer controlled operation, and also reduce the risk of handling the delicate gratings.

Key Features

Multiple Gratings



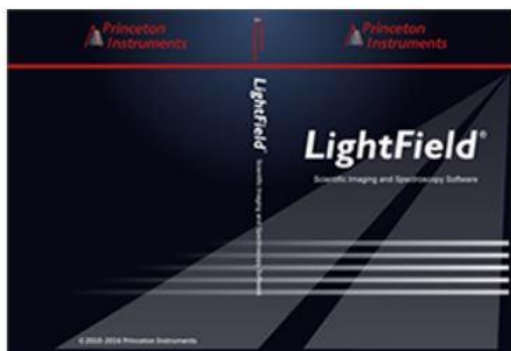
Multiple gratings are used when a broad range of the electromagnetic spectrum is required but sharp spectra is desired.

As the spacing of the grating determines the dispersion of incident light, varying levels of grating coarseness can be used.

The finer the grating the sharper the spectra, but over a thinner wavelength range, however a coarser grating will give you broader spectral coverage.

A grating turret will allow for coarse and fine gratings to be calibrated for each experiment without the need for replacing.

Complete Control and Automatic Calibration



All grating turrets are calibrated and operated through LightField software.

This allows for guaranteed alignment and precision with regards to grating changes.

Each grating is also calibrated using IntelliCal Systems.

This system improves accuracy of the recorded spectra, ensuring repeatability of calibration when switching between gratings.

Family Models

Model	Description	Available for
I150-483-Cal	Calibrated 2nd/3rd Turret for SP-2150 Interchangeable Turret for Acton SP-2150 Series; Includes installation and calibration of grating(s) when ordered with a new instrument.	SpectraPro
I150-GK	Grating installation kit for SP-2150.	SpectraPro
I300-483-Cal	Calibrated 2nd/3rd Turret for SP-2300 Interchangeable Turret for Acton SP-2300 Series; Includes installation and calibration of grating(s) when ordered with a new instrument.	SpectraPro
I300-GK	Grating installation kit for SP-2300.	SpectraPro
I500-483-Cal	Calibrated 2nd/3rd Turret for SP-2500 Interchangeable Turret for Acton SP-2500 Series; Includes installation and calibration of grating(s) when ordered with a new instrument. Grating(s) sold separately.	SpectraPro

500-483-Cal	Calibrated 2nd/3rd Turret for SP-2500 Interchangeable Turret for Acton SP-2500 Series; Includes installation and calibration of grating(s) when ordered with a new instrument. Grating(s) sold separately.	SpectraPro
I500-GK	Grating installation kit for SP-2500.	SpectraPro
I750-483-Cal	Calibrated 2nd/3rd Turret for SP-2750 Interchangeable Turret for Acton SP-2750 Series; Includes installation and calibration of grating(s) when ordered with a new instrument. Grating(s) sold separately.	SpectraPro
I750-GK	Grating installation kit for SP-2750.	SpectraPro
SCT-320-483-T2	Post Delivery SCT-320 Calibrated Turret #2 Calibration for up to 3 gratings Instrument must be returned to PI Acton facility in original shipping container for installation Gratings sold separately	IsoPlane