

Wavelength are :

Near-Infrared 0.78~1.4um IR-A red glass heater

Mid-Infrared 1.4~3um IR-B

Far-Infrared 3~1000um IRC ceramic heater and carbon heater

### CIE division scheme [\[ edit \]](#)

The International Commission on Illumination (CIE) recommended the division of infrared radiation into the following three bands:<sup>[13]</sup>

Abbreviation	Wavelength	Frequency
IR-A	700 nm – 1400 nm (0.7 $\mu\text{m}$ – 1.4 $\mu\text{m}$ )	215 THz – 430 THz
IR-B	1400 nm – 3000 nm (1.4 $\mu\text{m}$ – 3 $\mu\text{m}$ )	100 THz – 215 THz
IR-C	3000 nm – 1 mm (3 $\mu\text{m}$ – 1000 $\mu\text{m}$ )	300 GHz – 100 THz

### ISO 20473 scheme [\[ edit \]](#)

ISO 20473 specifies the following scheme:<sup>[14]</sup>

Designation	Abbreviation	Wavelength
Near-Infrared	NIR	0.78–3 $\mu\text{m}$
Mid-Infrared	MIR	3–50 $\mu\text{m}$
Far-Infrared	FIR	50–1000 $\mu\text{m}$

### Astronomy division scheme [\[ edit \]](#)

Astronomers typically divide the infrared spectrum as follows:<sup>[15]</sup>

Designation	Abbreviation	Wavelength
Near-Infrared	NIR	(0.7–1) to 5 $\mu\text{m}$
Mid-Infrared	MIR	5 to (25–40) $\mu\text{m}$
Far-Infrared	FIR	(25–40) to (200–350) $\mu\text{m}$ .