Reference Lamps Library Documentation

Release 0.1.0

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This is a visual library of all the usable lamps of the Goodman High Throughput Spectrograph.

Note: The plots in this library are automatically generated therefore in some cases if two lines are too close together the labels will appear stacked

The table below is presented as a quick reference. It is not generated automatically.

To see a full set of plots of all lamps please visit this GitHub Repository

Table 1: Lamp usability per spectroscopic mode

Mode	Filter	Ne	HgAr	HgArNe	CuHeAr	FeHeAr	Ar
400 M1	–	No	Yes	Yes	No	No	No
400 M2	GG-450	Yes	Yes	Yes	Yes	Yes	Yes
600 UV	–	No	Yes	Yes	Yes	No	No
600 Blue	–	No	Yes	Yes	Yes	No	No
600 Mid	GG-385	No	Yes	Yes	Yes	No	No
600 Red	GG-495	Yes	Yes	Yes	Yes	Yes	Yes
930 M1	–	No	Yes	Yes	No	No	No
930 M2	–	No	Yes	Yes	Yes	Yes	Yes
930 M3	GG-385	No	No	No	Yes	Yes	No
930 M4	GG-495	Yes	Yes	Yes	Yes	No	No
930 M5	GG-495	Yes	Yes	Yes	Yes	Yes	Yes
930 M6	OG-570	Yes	Yes	Yes	Yes	Yes	Yes
1200 M0	–	No	No	No	No	No	No
1200 M1	–	No	No	No	Yes	Yes	Yes
1200 M2	–	No	No	No	Yes	Yes	No
1200 M3	–	No	No	No	Yes	Yes	No
1200 M4	GG-455	Yes	No	Yes	Yes	Yes	No
1200 M5	GG-455	Yes	Yes	Yes	Yes	Yes	Yes
1200 M6	GG-495	Yes	Yes	Yes	Yes	Yes	Yes
1200 M7	OG-570	Yes	Yes	Yes	Yes	Yes	Yes

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ONE

400 L/MM GRATING

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1.2 400 M2

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TWO

600 L/MM GRATING

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THREE

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