



## System Specifications

SLM type	2D array, LCOS
Pixel pitch	20 $\mu\text{m}$
Number of pixels	792
Number of independent control channels <sup>^</sup>	~200
Operating wavelength range <sup>*</sup>	400 - 1550 nm
Spectral window <sup>&amp;</sup>	up to 400 nm
Maximum input average power <sup>&amp;</sup>	0.5-1.0 W
Maximum input pulse energy <sup>&amp;</sup>	0.5-1.0 mJ
Recommended $1/e^2$ beam diameter	4 mm
Input polarization	linear, horizontal
Dimensions L x W x H	476 x 229 x 152 mm (18.75 x 9 x 6 in.)

Shaping of spectral phase and amplitude<sup>#</sup>, independent of the laser repetition rate.

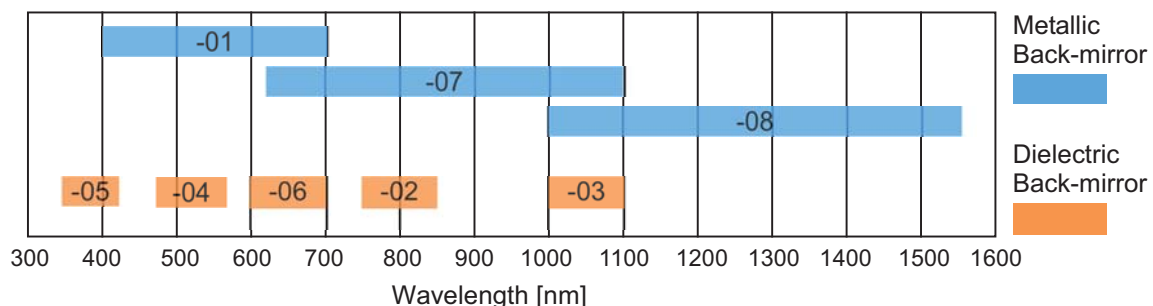
<sup>^</sup> Depends on the input beam size.

<sup>\*</sup> Several SLM types are available across the specified range; see the Table below for details.

<sup>&</sup> Depends on the back-mirror type and the center wavelength; customized to fit the laser source.

<sup>#</sup> Diffractive shaping mode is used to achieve the amplitude control.

**Table.** Back-mirror types and operating ranges for Hamamatsu LCOS-SLM X10468.



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