

Correction to Hacking CD/DVD/Blu-ray for Biosensing

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Supporting Information

The authors have added a citation to the original source of the circuit diagrams¹ in both the published article and Supporting Information. The authors also have made a correction to the S-curve linear region and laser power in Table 1. The correct table is shown below. These oversights were made in error and do not affect any conclusions made in the original manuscript.

Table 1

Component	Characteristic	Type	Value	Unit
Objective lens	Lens NA	CD	0.47–0.53	-
		DVD	0.6–0.66	
		Blu-ray	0.85	
	Laser spot size (full width at half-maximum)	CD	~800	nm
		DVD	~530	
		Blu-ray	~250	
	S-curve linear region	CD	~15	μm
		DVD	~6	
		Blu-ray	~3	
Working distance (lens to disc)	CD	0.55–0.86	mm	
	DVD	0.63–1.25		
	Blu-ray	0.27–0.61		
Semiconductor laser diode	Wavelength	CD	770–790	nm
		DVD	645–660	
		Blu-ray	400–410	
	Power (Average)	CD	160–1130	μW
		DVD	170–830	
		Blu-ray	340–450	
VCM	Working distance	x-axis	±350	μm
		z-axis	±1,000	μm
		Tilt	±1	°
PDIC	Operation bandwidth	CD	25–90	MHz
		DVD	50–130	
		Blu-ray	110–400	

ASSOCIATED CONTENT

Supporting Information

The Supporting Information is available free of charge at <https://pubs.acs.org/doi/10.1021/acssensors.2c01529>.

SI with additional reference. (PDF)

REFERENCES

(1) Hacking the PHR-803T Home Page. <http://www.diyoware.com/node/161> (accessed 2022–07–15).

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