APPENDIX A: GALAXIES IN CL 1358+62

All the galaxies for which Kelson et al. 2000 provides surface brightness profile information are employed in our calculation of certain statistical properties, like the high magnification cross-sections in Section 4.2. For completeness, we present here the surface brightness profile parameters for all the galaxies.

Table A1. Galaxies in CL 1358+62. The values for $\langle I_{\rm b}\rangle$, $r_{\rm b}$ and $\langle I_{\rm hd}\rangle$ are taken directly from Kelson et al. (2000). The disc scalelength $r_{\rm d}$ is related to the half-light radius as given in Kelson et al. by $r_{\rm d} = 1.688 r_{\rm hd}$. In a cosmology with $\Omega_\Lambda = 0.7, \Omega_{\rm M} = 0.3$ and $H_0 = 50$ km s^{-1} Mpc^{-1}, 1 arcsec corresponds to 6.6 kpc at a redshift of $z = 0.33$.

		⟵	Bulge only		⟶	⟵			Bulge and disc					⟶
No.	Type	$< I_{\rm h} >$	$r_{\rm h}$	$\Sigma_{\rm b}$	$R_{\rm e}$	$< I_{\rm h} >$	$r_{\rm h}$	$\Sigma_{\rm b}$	$< I_{\rm hd} >$	$r_{\rm d}$	$\Sigma_{\rm d}$	$R_{\rm e}$	$f_{\rm e}$	$f_{\rm t}$
212	E	20.780	0.683	0.488	1.220	21.170	0.781	0.340	18.030	0.031	6.138	1.160	0.808	0.960
242	E	21.920	1.529	0.171	1.360	22.420	1.825	0.108	20.720	0.156	0.515	1.270	0.806	0.950
256	E	20.880	1.380	0.445	2.330	21.200	1.551	0.331	18.000	0.053	6.310	2.260	0.836	0.967
303	E	20.590	0.638	0.581	1.270	21.110	0.774	0.360	18.890	0.054	2.780	1.210	0.787	0.947
360	E	20.220	0.341	0.817	2.176	21.660	0.594	0.217	17.620	0.030	8.954	1.000	0.565	0.867
375	E	22.860	4.979	0.072	2.650	23.010	5.267	0.063	19.220	0.096	2.051	2.870	0.800	0.984
409	E	21.270	0.498	0.310	2.176	21.490	0.542	0.254	22.600	0.132	0.091	0.660	0.959	0.969
412	E	21.390	0.767	0.278	2.176	22.320	1.091	0.118	17.660	0.033	8.630	0.870	0.502	0.908
531	E	21.260	1.549	0.313	2.090	21.710	1.830	0.207	19.300	0.108	1.905	1.980	0.772	0.954
534	E	21.210	0.620	0.328	0.860	22.170	0.878	0.136	16.680	0.019	21.281	0.770	0.489	0.901
536	E	21.180	1.266	0.337	1.790	21.520	1.433	0.247	18.570	0.057	3.733	1.720	0.807	0.965
233	E/S0	20.400	0.784	0.692	1.740	20.940	0.952	0.421	18.740	0.067	3.192	1.640	0.796	0.947
269	E/S0	20.390	0.962	0.698	2.150	20.620	1.045	0.565	18.710	0.055	3.281	2.100	0.905	0.976
309	E/S0	20.020	0.502	0.982	1.370	20.210	0.540	0.824	18.910	0.036	2.729	1.000	0.913	0.979
353	E/S0	21.050	1.120	0.380	1.710	21.240	1.205	0.319	19.970	0.079	1.028	1.680	0.902	0.979
381	E/S0	20.340	0.512	0.731	2.176	20.500	0.550	0.631	20.020	0.052	0.982	1.000	0.924	0.979
493	E/S0	19.980	0.193	1.019	0.540	21.660	0.374	0.217	18.740	0.035	3.192	0.480	0.549	0.838
095	S0	20.940	0.704	0.421	1.150	21.840	0.986	0.184	17.750	0.038	7.943	1.040	0.583	0.912
135	S0	20.450	0.418	0.661	0.900	20.870	0.490	0.449	18.010	0.023	6.252	0.870	0.817	0.956
182	S0	20.460	0.355	0.655	0.760	20.770	0.392	0.492	21.910	0.130	0.172	0.740	0.941	0.945
211	S0	20.120	0.448	0.895	1.160	20.410	0.458	0.685	21.680	0.256	0.213	1.120	0.921	0.873
215	S0	20.660	0.457	0.545	2.176	21.770	0.700	0.196	16.950	0.022	6.596	0.790	0.524	0.889
236	S0	21.100	0.776	0.363	1.150	21.630	0.944	0.223	17.870	0.033	7.112	1.080	0.711	0.946
298	S0	19.690	0.554	1.330	1.810	20.840	0.835	0.461	19.530	0.142	1.542	1.630	0.735	0.873
300	S0	19.840	0.453	1.159	2.176	20.530	0.584	0.614	18.660	0.055	3.436	1.280	0.789	0.932
343	S0	20.540	0.404	0.608	0.830	21.100	0.492	0.363	20.930	0.098	0.425	0.780	0.879	0.935
359	S0	20.260	0.574	0.787	1.380	21.050	0.769	0.380	19.050	0.072	2.399	1.270	0.748	0.923
408	S0	19.820	0.382	1.180	1.160	20.660	0.523	0.545	18.860	0.057	2.858	1.080	0.755	0.915
410	S0	20.670	0.488	0.540	0.930	21.130	0.575	0.353	20.840	0.093	0.461	0.880	0.886	0.951
463	S0	20.430	0.639	0.673	2.176	20.740	0.714	0.506	21.180	0.136	0.337	1.350	0.926	0.965
481	S0	20.250	0.260	0.794	2.176	20.760	0.157	0.497	20.650	0.166	0.550	1.000	0.521	0.351
110	S0/a	19.450	0.350	1.660	1.300	18.360	0.102	4.529	20.120	0.248	0.895	1.000	0.722	0.363
129	S0/a	19.930	0.489	1.067	1.400	20.950	0.726	0.417	16.680	0.028	21.281	1.300	0.647	0.899
142	S0/a	21.400	0.834	0.275	1.030	20.470	0.318	0.649	22.440	0.648	0.106	0.870	0.934	0.496
164	S0/a	22.620	2.251	0.090	1.250	22.920	2.541	0.068	17.770	0.036	7.798	1.230	0.616	0.966
292	S0/a	20.320	0.486	0.745	1.130	20.390	0.297	0.698	21.100	0.332	0.363	1.000	0.803	0.506
335	S0/a	20.860	0.539	0.453	0.920	20.900	0.541	0.437	20.610	0.035	0.570	0.910	0.963	0.992
366	S0/a	20.790	0.630	0.483	1.120	21.160	0.718	0.344	20.460	0.083	0.655	1.070	0.882	0.963
369	S0/a	21.860	1.036	0.180	0.960	21.980	1.085	0.161	20.280	0.047	0.773	0.950	0.903	0.987
397	S0/a	20.500	0.409	0.631	0.860	18.960	0.111	2.606	21.450	0.320	0.263	1.000	0.841	0.443
423	S0/a	21.610	1.021	0.227	1.110	22.460	1.397	0.104	17.950	0.043	6.607	1.000	0.515	0.918
440	S0/a	22.450	1.108	0.105	0.690	22.980	1.328	0.064	18.800	0.036	3.020	0.640	0.572	0.950
454	S0/a	20.420	0.595	0.679	1.310	22.270	0.990	0.124	20.610	0.273	0.570	1.100	0.646	0.655
523	S0/a	21.640	1.044	0.221	1.110	21.960	1.171	0.164	21.080	0.117	0.370	1.070	0.882	0.968
209	Sa	20.650	0.625	0.550	1.200	22.060	0.960	0.150	20.930	0.253	0.425	1.040	0.755	0.772
328	Sa	20.720	0.666	0.515	1.230	21.530	0.862	0.244	21.300	0.232	0.302	1.130	0.862	0.881
356	Sa	20.200	0.604	0.832	1.500	19.780	0.392	1.225	22.070	0.533	0.149	1.420	0.939	0.749
368	Sab	21.100	0.542	0.363	2.176	22.390	0.627	0.111	21.560	0.305	0.238	1.000	0.713	0.568
371	Sa	21.040	0.956	0.384	1.470	20.640	0.468	0.555	21.920	0.693	0.171	1.260	0.890	0.497
372	Sa	21.920	1.435	0.171	1.280	22.720	1.905	0.082	21.990	0.351	0.160	1.150	0.877	0.909
465	Sa	21.010	0.609	0.394	0.950	21.220	0.660	0.325	21.100	0.079	0.363	1.000	0.925	0.977
549	Sab	21.920	0.866	0.171	0.770	19.900	0.142	1.096	22.500	0.609	0.100	0.560	0.938	0.284
234	Sb	21.860	0.996	0.180	0.920	17.800	0.035	7.586	22.030	0.621	0.154	0.520	0.903	0.094