

## Appendix

**Appendix A** List of the light sources and blue light percentages of the six light treatments.

Light Treatment	Light sources	Red light percentage (%)	Red to blue light ratio (R/B)
FL	Fluorescent Lampe	28.6	0.95:1
B	Blue LEDs	0	
R/B= 4	A combination of red and blue LEDs	80	4:1
R/B=8		88.9	8:1
R/B=12		92.4	12:1
R	Red LEDs	100	

**Appendix B** Total nitrogen (N) content of the lettuce leaves under combinations of different light spectra and exogenous selenate and selenite (n = 3).

	Total N content (%)	
	Selenite	Selenate
FL	4.97 ± 0.30	4.56 ± 0.13
B	4.98 ± 0.63	4.71 ± 0.05
R/B = 4	5.27 ± 0.58	4.47 ± 0.13
R/B = 8	5.26 ± 0.46	4.56 ± 0.36
R/B = 12	5.19 ± 0.15	4.85 ± 0.11
R	5.21 ± 0.27	4.54 ± 0.47