



Supplementary Materials

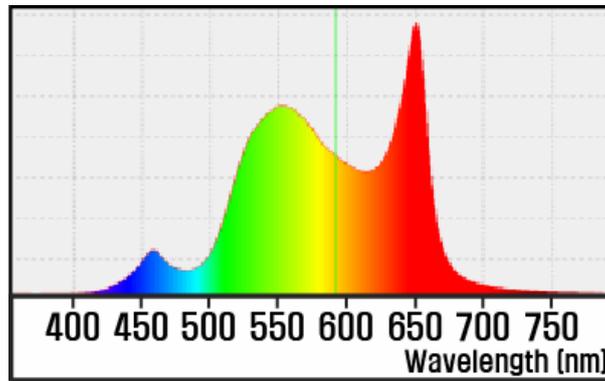


Figure S1. Spectral distribution of the white LED.

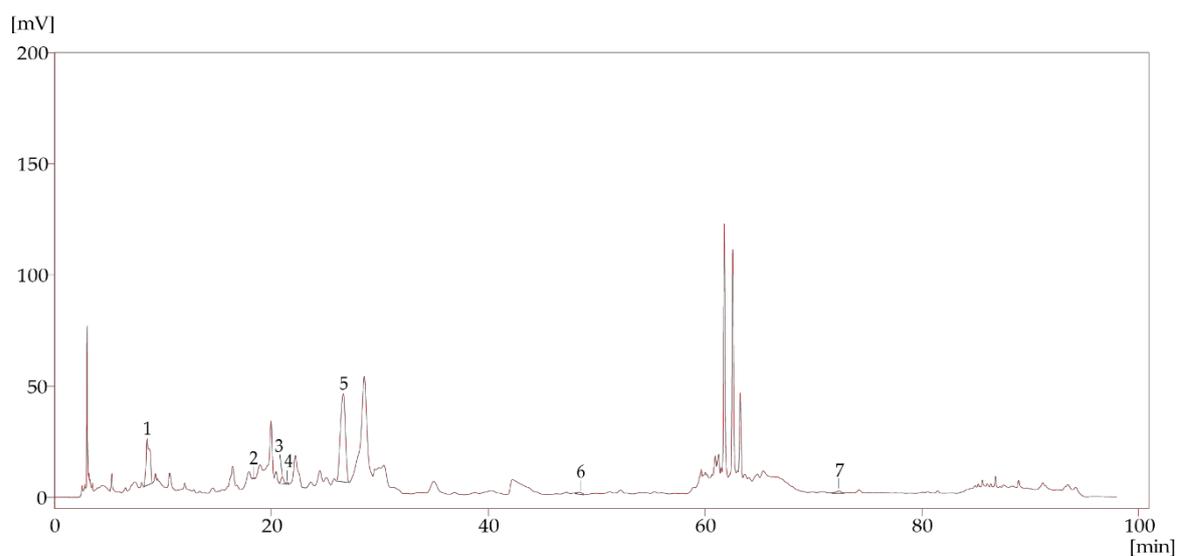
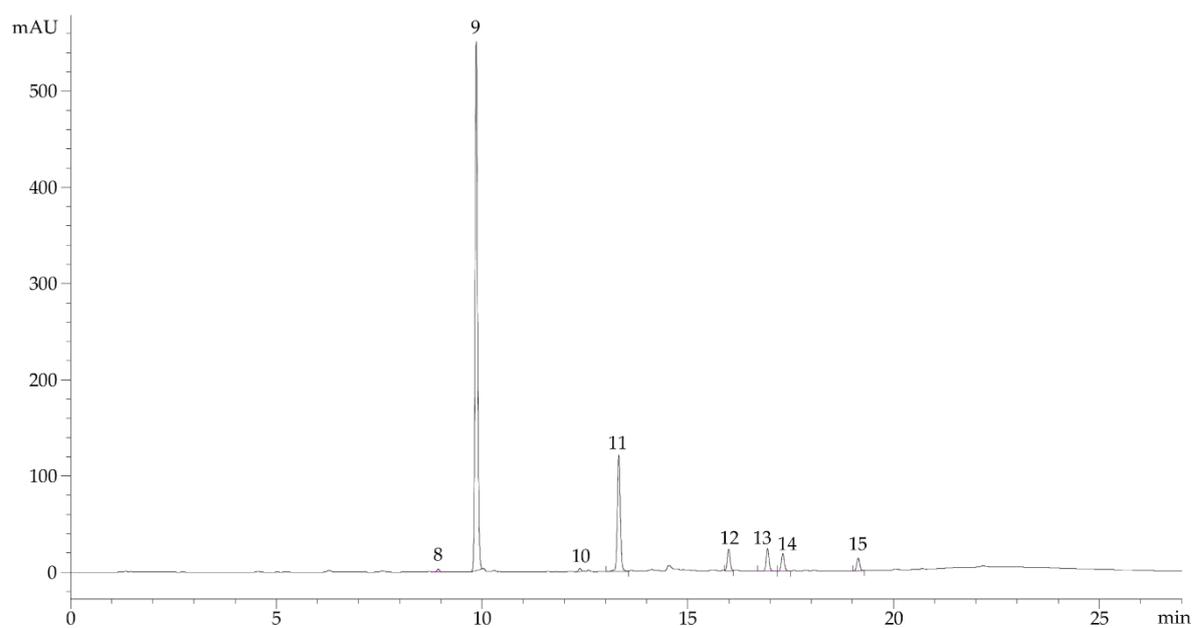
A**B**

Figure S2. Chromatogram of the phenolic compounds (**A**) and the desulfo-glucosinolates (**B**) extracted from mustard sprouts grown under blue LED lights. 1, Gallic acid; 2, catechin; 3, chlorogenic acid; 4, 4-hydroxybenzoic acid; 5, caffeic acid; 6, sinapic acid; 7, quercetin; 8, glucoiberin; 9, sinigrin; 10, gluconapin; 11, 4-hydroxyglucobrassicin; 12, glucobrassicin; 13, 4 methoxyglucobrassicin; 14, gluconasturtiin; 15, neoglucobrassicin.



Figure S3. *Brassica juncea* sprouts grown under different light-emitting diode (LED) lights (blue, white, and red) for three weeks.

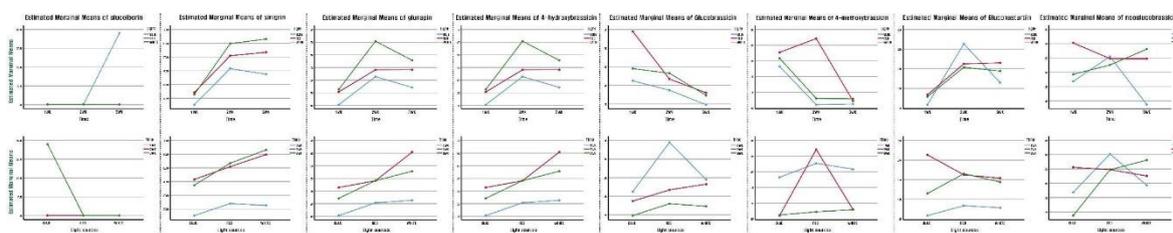


Figure S4. Two-way ANOVA interaction plots showing changes in means of glucosinolate contents by developmental time and light sources.

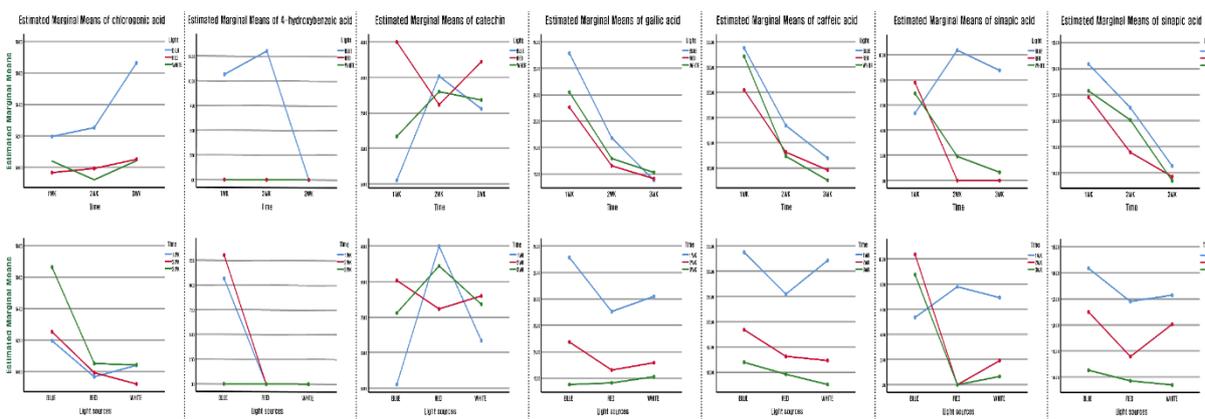


Figure S5. Two-way ANOVA interaction plots showing changes in means of phenolic contents by developmental time and light sources.



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