*Supplementary Table 1. Dark respiration rate (Rd), maximum quantum yield of CO2 assimilation (QYm,inc) and maximum gross assimilation rate (Ag,max ) of ‘Green towers’ lettuce derived from the light response curves for nine different spectra using equation 1. The light response curves are shown in fig. 3.*

|  |  |  |  |
| --- | --- | --- | --- |
| **Light spectrum\*** | ***Rd*** (µmol·m-2·s-1) | ***QYm,inc*** (mol·mol-1) | ***Ag,max*** (µmol·m-2·s-1) |
| 100B | 2.30 | 0.058 | c | 17.0 | d |
| 80B20G | 2.73 | 0.061 | c | 18.1 | c |
| 20B80G | 2.96 | 0.062 | c | 19.5 | ab |
| 100G | 2.89 | 0.061 | c | 19.8 | a |
| 80G20R | 2.59 | 0.067 | b | 19.8 | a |
| 20G80R | 3.32 | 0.078 | a | 19.9 | ab |
| 100R | 2.81 | 0.073 | ab | 18.8 | bc |
| 20B80R | 2.88 | 0.077 | a | 19.2 | ab |
| 16B20G64R | 3.21 | 0.078 | a | 20.0 | a |

*\*See light composition of nine lights presented here in Table 1*