

## *Supplementary Material*

# **Integrating Morphological and Physiological Responses of Tomato Plants to Light Quality to the Crop Level by 3D Modelling**

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**TABLE S2** | Effects of spectral composition on air and leaf temperatures.

<b>Treatment</b>	<b>Air temperature (°C)</b>	<b>Leaf temperature (°C)</b>	<b>Temperature difference (°C)</b>
Blue	22.1 ± 0.1	19.6 ± 0.2	2.5 ± 0.3
Green	23.4 ± 0.1	20.9 ± 0.2	2.6 ± 0.2
Amber	22.4 ± 0.1	19.9 ± 0.2	2.5 ± 0.2
Red	21.7 ± 0.1	19.5 ± 0.2	2.2 ± 0.2
Red/blue	21.6 ± 0.1	19.4 ± 0.2	2.1 ± 0.2
White	22.0 ± 0.1	19.6 ± 0.1	2.3 ± 0.2

*Realized air temperatures, leaf temperature and the difference between leaf and air temperatures in each of the spectral light treatments measured on 4 days in divided over experiments 1 and 2 (n=22).*