

## Light is OSRAM

### Light Recipe for Snack Tomatoes grown in CEA

With our proven light recipes, we want to provide you a starting point for your own research. We tested the recipe with PHYTOFY® RL in OSRAM's Smart Farming laboratory, a fully controllable climate chamber. Producing snack tomatoes year round? No Problem! With our proven full spectrum, optimized for germination, vegetative growth, flowering and fruit setting, you can enjoy snack tomatoes year round.

#### Grow your snack tomatoes year round



The following recipe focuses on producing snack tomatoes under a full spectrum year round.

#### Growth Recipe

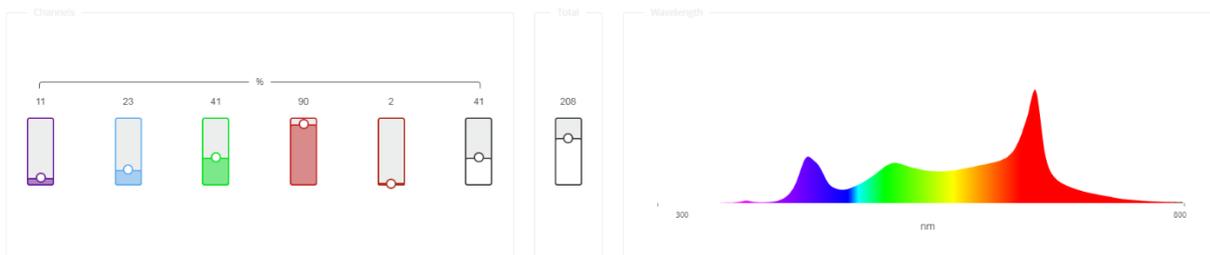
<b>Crop</b>	<i>Solanum lycopersicum</i> 'Balconi Red'
<b>Light intensity</b>	~335 $\mu\text{mol m}^{-2} \text{s}^{-1}$ *
<b>Photoperiod</b>	16 day / 8 night
<b>Temperature</b>	20 °C day / 18 °C night
<b>Humidity</b>	60 - 70 %
<b>Growth Cycle</b>	~120-150 days

#### Spectrum

<b>UV</b>	11
<b>Blue</b>	23
<b>Green</b>	41
<b>Hyper Red</b>	90
<b>Far Red</b>	2
<b>Warm White</b>	41

\*At a distance from cultivation surface to fixture of 406 mm (16')

Values are in %



#### Please note:

This information is based on our evaluations and can only be regarded as general guidance. While we have made every attempt to ensure that the information has been obtained right, please make sure that you check for your application if the data and information provided fits to your use case and provides the intended results.

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#### Smart Farming

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