

Light is OSRAM

RGB for Calendula Production in a Vertical Farm

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. Calendula is one of the most utilized plants for medical creams and cosmetics. With our proven recipe you will be able to produce high quality Calendula indoors.

Calendula



Growth Recipe

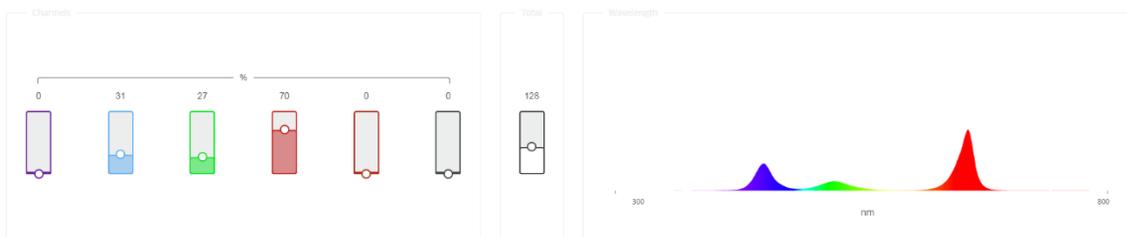
Crop	<i>Calendula officinalis</i>
Light intensity	220 $\mu\text{mol m}^{-2} \text{s}^{-1}$ *
Photoperiod	16 day / 8 night
Temperature	20 °C day / 18 °C night
Humidity	60 - 70 %
Growth Cycle	50 days

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

Spectrum

UV	0
Blue	31
Green	27
Hyper Red	70
Far Red	0
Warm White	0

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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