

Online Extras

CEA: Creating the Perfect Room, Right out of the Box (Part Two)

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The golden information for CEA systems is here: while the inputs will differ slightly from plant variety to plant variety and even from strain to strain, this growing “formula,” that we will call the CEA Map can help anybody who has a well constructed CEA system achieve the next-generation in crop yields.

Growth Phase	Light Hours (per 24 hrs.)	Lumens*	CO ₂ Levels (PPM)	Temp.	Humidity
Pre-Veg	24	1000	600-800	82°F	65-75%
Early Veg	18	2000	800-1000	85°/80°F	55-65%
Veg	18	3000	1000-1200	85°/80°F	55-65%
Early Flower	12	3000-4000	1200	85°/80°F	50-60%
Mid Flowering	12	4500-6000	1200-1800	85°/80°F	50-60%
Late Flowering	10 - 12	4000-5000	600-800	75°/65°F	50-60%

Note: T5 fluorescent lighting is recommended for pre-veg, MH lighting for early veg, veg and early flower and HPS lighting is recommended for mid and late flowering phases. Light measurements are at the tops of the plants.