

# NEO

NEOCISION™  
GROW LIGHTS

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Cultivation Technologies

## NEOCISION ELITE 680

Neocision Elite 680 fixtures feature a 20.6% blue spectra and 45.1% red spectra with a peak at 660nm for your flowering plants. This unique spectra mix creates stronger plants for nutrient uptake with maximized red for increased photosynthesis.

## FEATURES

- Independently tested efficacy of 2.85  $\mu\text{mol}/\text{J}$
- Industry Leading Horticulture LEDs
- RJ Port for Plug and Play Control Systems
- Folding Design for Fast and Easy Installation
- Leading 660nm LED Count – 150 660nm diodes Per Fixture
- 7 Year Limited Warranty

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Technical Data Sheet

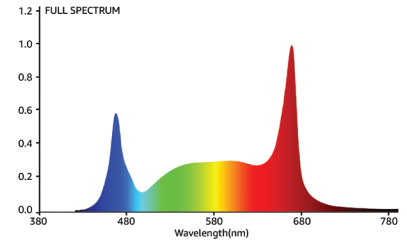
# NEOCISION ELITE 680

SKU NO: NSE-680

PRODUCT NAME: ELITE 680

## SPECTRUM AND EFFICACY

PPF Efficacy:	2.85 (Tested @ 240 VAC/679 W AC)
Photon Flux (μmol/s) (400-700nm):	1937
Photon Flux Blue (μmol/s) (400-500nm):	399
Photon Flux Green (μmol/s) (500-600nm):	665
Photon Flux Red (μmol/s) (600-700nm):	873
Total Blue/Red - Energy Bands:	1272
% Blue:	20.63%
% Green:	34.33%
% Red:	45.04%



## POWER

Power Consumption:	680W AC
Driver:	Sosen
Power Factor:	>0.95
Surge Protection:	6 KV
208V:	3.44 A
240V:	2.98 A
277V:	2.58 A



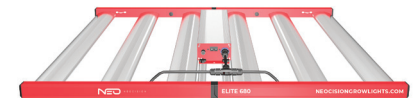
## DIMENSIONS

Fixture Size (driver mounted on the fixture):	(L) 43.9" x (W) 43.9" x (H) 3.7"
Fixture Size (without driver):	(L) 43.9" x (W) 43.9" x (H) 1.9"
Power Supply Dimension:	(L) 25.7" X (W) 4.4" X (H) 2.4"
Driver Net Weight:	10.1 lbs.
Fixture Net Weight:	20.4 lbs.



## OTHER

Mounting Height:	≥ 12" above canopy
Light Distribution:	120°
Input Voltage:	200 - 277 VAC
Manual Dimming Knob:	0-10 V (100% to 10%, then off)
Built In Control Ports:	RJ 14 input/output
Standard Power Cord (Extensions available):	AWG 18, 6 Foot
Standard Plug:	240 VAC - NEMA 6-15P
Substitute Plugs (Upon request at order):	277 VAC, Pigtaills
Adjustable Height Hanging Kit Included:	Yes
Fixture and Driver Warranty:	7 Years Limited
ETL Safety Certified*:	Conforms to UL 1598:2021 Ed.5 Certified to CSA C22.2#250.0:2021 Ed.5 <b>*ETL Safety Certified No. 5020070</b>
DLC Listed:	Yes



December 2022