



“Boulderlamp’s ceramic discharge lamp is one of the best horti-lights available today.”

---High Times



LOW PROFILE INDOOR GROW LIGHTS

Slimline CDL 315W grow lights are only **3.3 inches** tall. These are high performing, high efficiency grow lights. They are made of Philips 315W agro lamps with optimized low frequency electronic ballasts, and high efficiency optics.

Slimline CDL 315W Agro



Slimline CDL 315W luminaires are engineered for **vegetative grow** phase in low ceiling or stacked growing environment providing larger footprint with less intensity. Slimline grow lights are also ideal for growing flowers and **indoor plants** of all types, for example, roses, orchids, strawberries, tomatoes, cucumbers, peppers and eggplants.

Slimline CDL+LED Agro



Color Augmenting™
Technology

Slimline CDL+LED grow light integrates certain red LEDs into the Slimline CDL light fixture for augmenting **flowering spectrum** of 315W agro lamp boosting growth, efficiency, and yield. Slimline CDL+LED grow lights are designed to be used in a facility with low ceiling height or stacked grows.

FROM DESIGN TO MANUFACTURING

Boulderlamp integrates the best available ceramic discharge lamp (CDL) and light emitting diodes (LEDs) with optimized electronic ballast and LED driver, light fixture, and optics into each product. We are committed to providing you with the most efficient, reliable, and low heat-generating grow light luminaires.

*Designed and assembled in the

DAISY CHAIN CONNECTION

All of our grow lights are engineered for daisy chain connection to save time and money.



Brilliance of the light...

Summary specifications for Slimline CDL & CDL+LED agro luminaires: 120VAC, 208-240VAC, 277VAC

Light Fixture

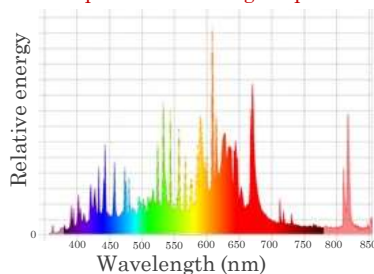
1. Frame: Powder coated metal
2. Reflector: 97% efficiency point source open reflector
3. UL/ETL listed, suitable for damp locations

CDL (ceramic discharge lamp) and LED

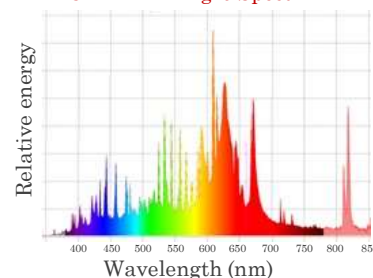
1. Open fixture rated CDL
2. Average lamp life: 20,000 hours
3. Photosynthetic Photon Flux (PPF): 1.95
4. Color temperature: 3,100 Kelvin
5. Operating position: Universal
6. LED – Osram Oslon SSL 150 series red/blue



Philips 315W CDL Agro Spectrum



CDL +LED Agro Spectrum



Dimension

Slimline CDL 315W: 19.5in (L) x 15.5in (W) x 3.3in (H), 9.5 lb

Slimline CDL+LED: 19.5in (L) x 17in (W) x 3.3in (H), 12 lb

Electronic Ballast (UL listed):

1. Lamp waveform: Low frequency square wave
2. Line inrush current limiting: Yes
3. Power factor > 0.95
4. EMI - Meets FCC non-consumer limits
5. Nominal ignition peak pulse height: 3.2 kV
6. Line transients and circuit protections: Yes
7. Under and over voltage protections – Yes
8. Input fusing – Yes, 3A
9. Dimming – Yes (optional)

LED Driver (UL listed)

1. Constant current, 35V open circuit
2. Nominal input power: 70W ±3W
3. Power factor > 0.95
4. EMI - Meets FCC non-consumer limits

Nominal power consumption w/ballast & LED driver loss

120VAC

CDL 315W ~ 345W, CDL+LED single row x2 ~ 380W

208-240VAC

CDL 315W ~ 340W, CDL+LED single row x2 ~ 375W

277VAC

CDL 315W ~ 335W, CDL+LED single row x2 ~ 370W

Daisy chain quantity per 20A circuit

CDL 315W

120VAC, up to 4. 208-240VAC, up to 8. 277VAC, up to 10

CDL+LED

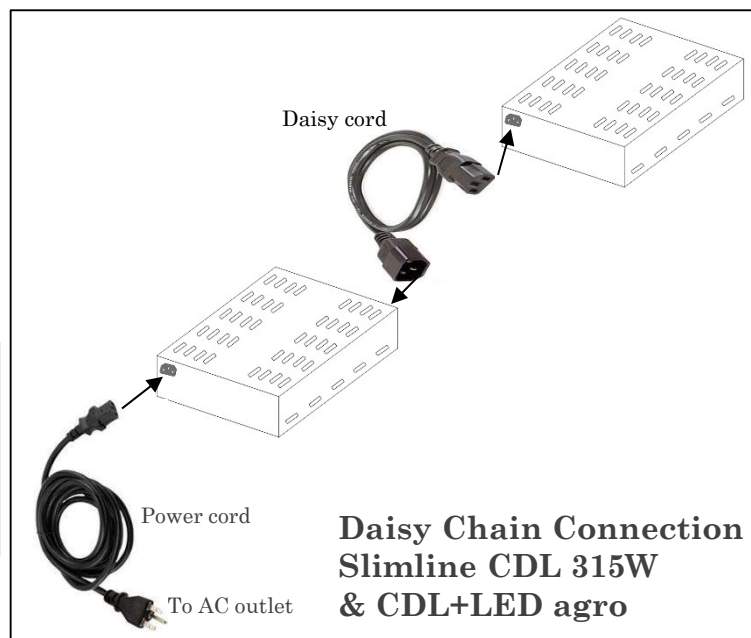
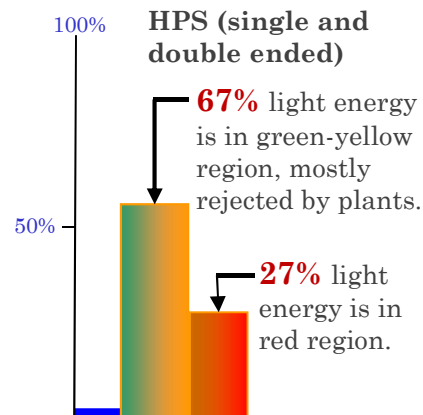
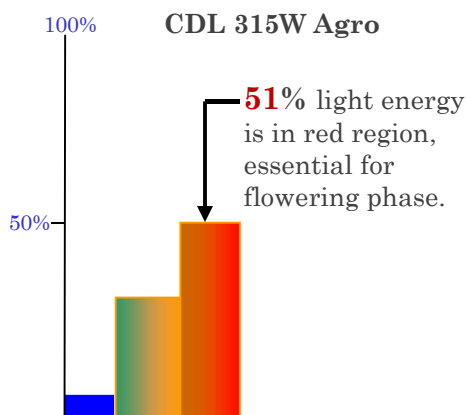
120VAC, up to 3. 208-240VAC, up to 7. 277VAC, up to 9

(Specifications are subject to change without prior notice)

*Design and assembled in the



Spectral energy distribution: Philips CDL 315W vs HPS



US patents 6,359,395 B1; 7,199,528, B2; 7,379,291; and, US 7,541,791 B2. US publication numbers 2007/0217235 A1 and 2009/0230870 A1