







Neocision Spectra 320W 3-Bar VEG





ETL CERTIFIED





Full Spectrum Design

Red Spectrum of Light (600nm - 700nm)

- Most important type of light for plants
- · Plants are best able to make energy out of red light

Blue Spectrum of Light (600nm - 700nm)

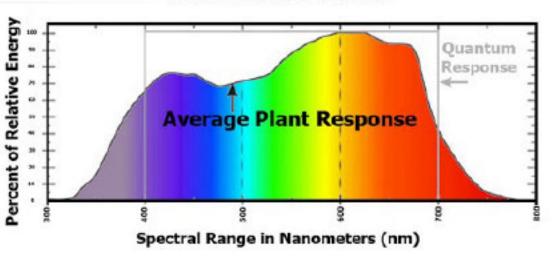
- · Crucial for plant growth
- Promotes rapid growth from development of the plant
- Reduces plant stretch in flowering stage

Green Spectrum of Light (500nm - 600nm)

Important for seeing your plant's health and wellness

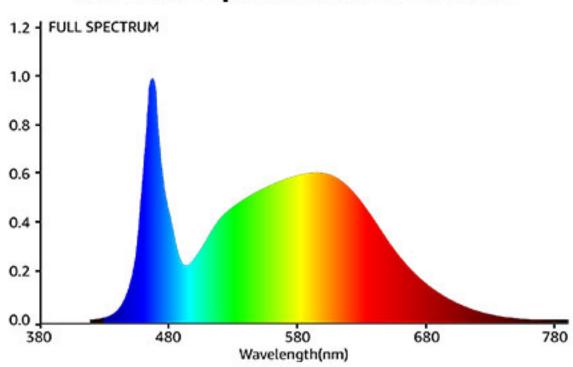


The McCree Curve



Copyright 3054 Smart Grow Technologies - All Rights Reserves

Neocision Spectra 320W 3-Bar VEG





PERFORMANCE AND EFFICIENCY

PPF (400-700nm): 853 µmol/s

Life Span: 50,000 hours

Power Consumption: 340W AC

Light Distribution: 120 degrees

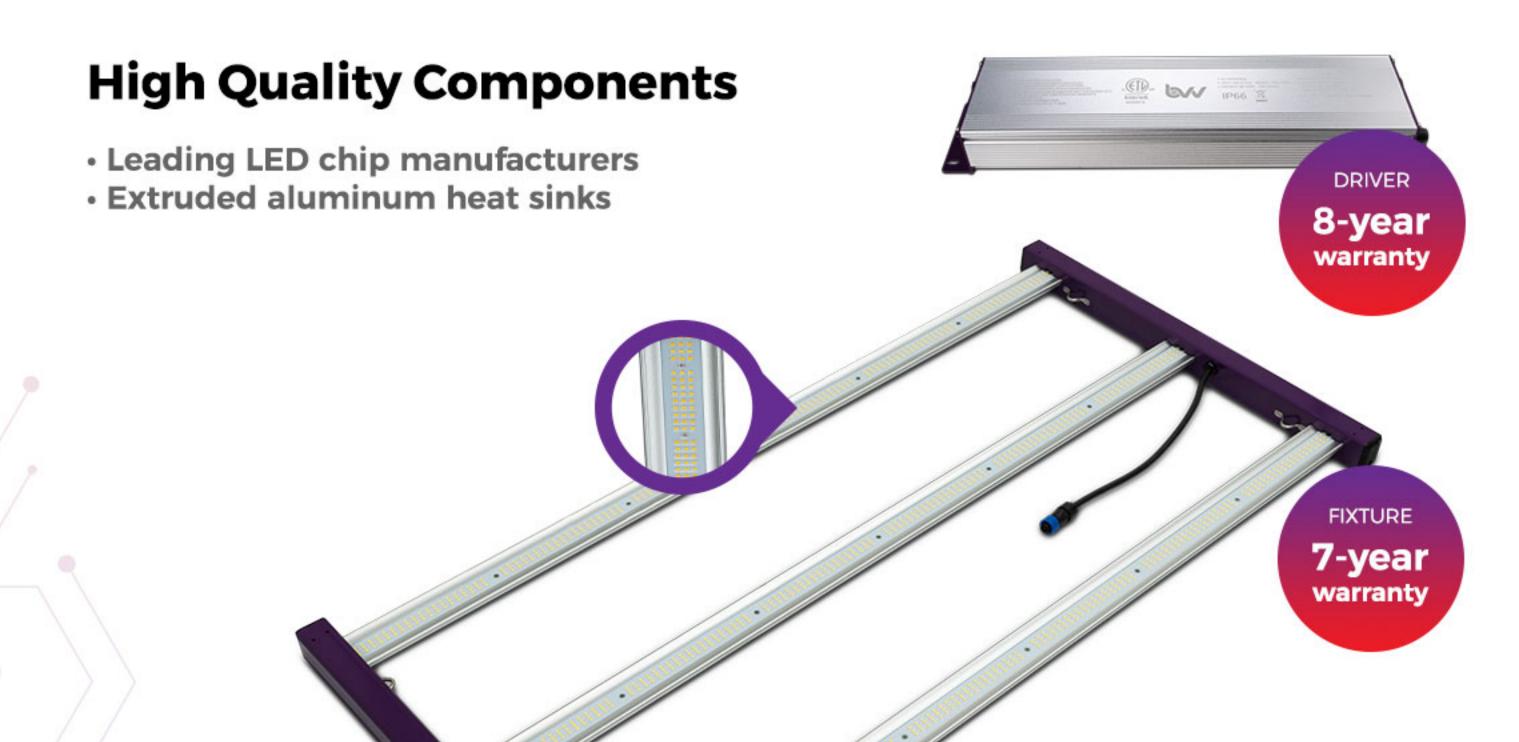
Input Voltage: 100-277 VAC

Fixture with Driver (net weight): 12 lbs





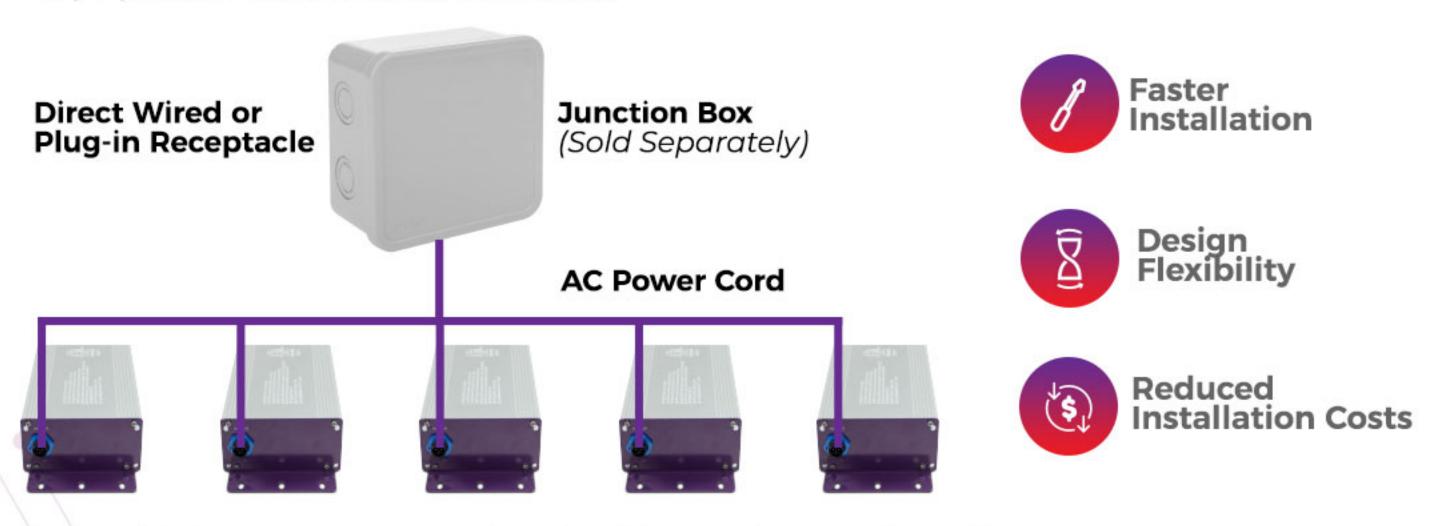






Custom Power Cables For Daisy Chaining

3-, 4-, and 5- fixture cable harnesses



^{*}AC cable harnesses are custom order only, minimum order quantities apply.



IP66 RATED

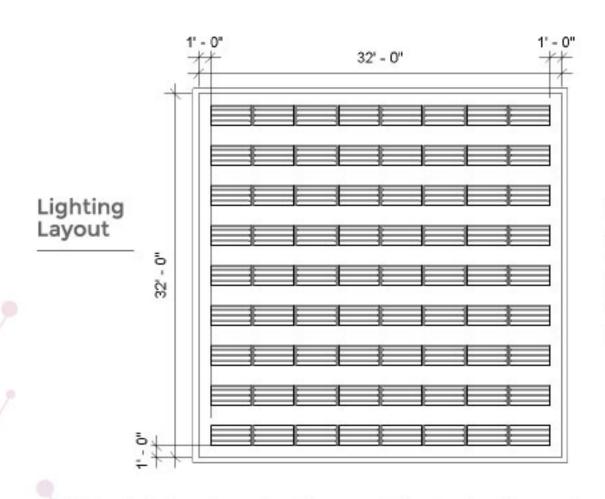
Compared to IP65, the IP66 enclosure can handle a higher level of pressurized water





Neocision Spectra 320W 3-Bar VEG

PPFD Values and Heat Map



AVERAGE PPFD 618

PPFD Values and Heat Map

32' x 32' Veg Room Fixtures at 18" from Canopy

321	562	570	594	581	594	586	591	591	586	594	581	595	570	563	32
334	575	590	614	602	615	608	613	613	608	615	602	614	591	576	33
421	743	750	785	765	785	774	780	780	774	785	765	785	751	744	42
50 0	501	524	543	536	544	540	543	543	540	545	536	543	524	503	30
444	787	792	831	809	830	818	825	825	818	830	809	831	793	788	44
305	511	533	553	545	554	549	553	553	549	555	545	553	534	512	30
415	730	739	773	754	773	762	768	768	762	773	755	773	739	732	41
354	609	625	652	639	652	645	649	649	645	653	639	652	626	611	35
355	610	626	652	640	653	646	650	650	646	653	640	653	627	611	35
415	729	738	772	754	772	762	768	768	762	773	754	773	739	731	41
305	511	533	553	546	555	550	553	553	550	555	546	554	534	513	30
444	787	792	830	809	830	818	825	825	818	830	809	831	793	788	44
300	501	523	542	535	544	539	542	542	539	544	535	543	524	502	30
421	743	750	785	766	785	774	781	781	774	785	766	786	751	744	42
333	574	589	613	601	614	607	612	612	607	614	602	613	590	575	33
319	563	571	596	582	595	587	592	592	587	595	582	596	571	564	32

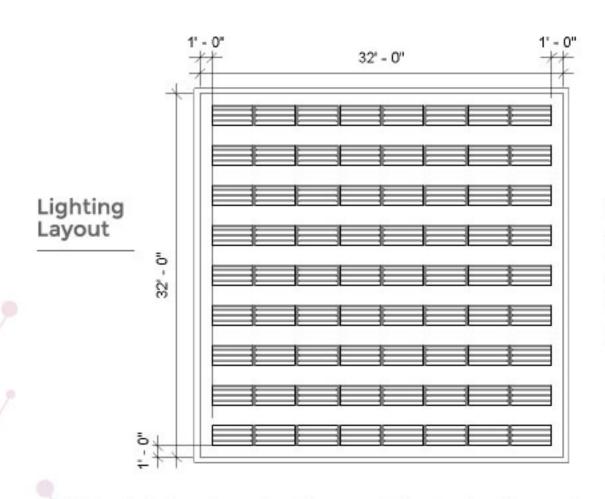
^{*}PPFD calculations based on the use of Elumtools – the most accurate software for creating and measuring lighting output and the only one with a specific horticulture mode for greenhouses and indoor cultivation.

^{**}Reflection values: 0% Ceiling, 80% Wall and 10% Floor.



Neocision Spectra 320W 3-Bar VEG

PPFD Values and Heat Map



AVERAGE PPFD 610

PPFD Values and Heat Map

32' x 32' Veg Room Fixtures at 24" from Canopy

											(1			
324	516	546	564	559	566	562	563	563	562	566	560	565	547	517	-
358	564	602	623	619	627	624	627	627	624	627	619	623	603	565	
407	650	688	713	707	717	713	716	716	713	717	708	714	689	651	4
353	545	588	609	607	614	611	613	613	611	614	607	609	589	547	2
421	675	714	740	734	745	740	743	743	740	745	734	741	715	677	4
357	552	595	616	614	621	618	620	621	619	621	615	616	596	554	3
408	650	690	715	710	719	715	718	718	715	720	710	716	691	651	4
380	596	638	661	657	665	662	665	665	662	666	658	661	639	598	3
380	596	638	661	658	666	662	665	665	662	666	658	662	639	598	3
408	649	689	715	709	719	715	718	718	715	719	710	715	690	651	4
356	552	595	616	614	621	618	621	621	619	621	615	616	596	554	1
421	675	714	740	734	744	739	743	743	739	745	734	741	715	676	4
352	545	588	608	607	613	611	613	613	611	613	607	609	589	547	3
406	650	688	713	707	717	713	716	716	713	718	708	714	689	652	4
357	563	602	622	619	626	623	626	626	623	626	619	623	603	565	3
321	516	546	565	560	567	563	564	564	563	567	561	566	547	517	

^{*}PPFD calculations based on the use of Elumtools – the most accurate software for creating and measuring lighting output and the only one with a specific horticulture mode for greenhouses and indoor cultivation.

^{**}Reflection values: 0% Ceiling, 80% Wall and 10% Floor.



Dimming Knob and Controls

- Manually adjustable light intensity (from 100% to 10%, then to OFF)
- Energy saving
- Daisy chain fixtures to 0-10v external controller (sold separately)
- Number of daisy chained fixtures determined by controller signal power (dimming current 0.1 mA for fixture)



Easy Installation and Maintenance

Fast installation (no specific tools required)

Detachable driver for easy installation and maintenance

 LED fixtures mountable to supporting structure using adjustable rope ratchet hanger kits





PACKAGE INCLUDES

- 3-Bar LED Luminaire
- DC power cable with male connector
- LED Driver
- AC power cord with 240 V Plug
- Knob Screws (2x)
- Carabiner Hooks (6x)
- Stainless Steel Ropes 240 mm length (4x)
- Rope Ratchet Hanger Kits (2x)
- RJ Data Cable 3 meters (1x)
- User Manual

