



# The JACKSON

**250w.**

## The Jackson 250W

Luminaire for indoor intensive cultivation.

Made in Spain

Years Warranty **2**



Ref: JACKSONV1250

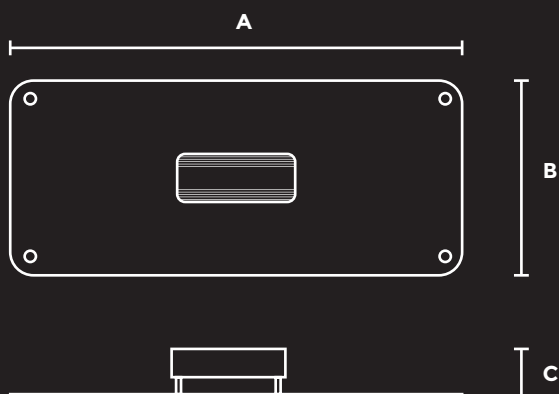


### Electric features

Power	250W
Tolerance of power	10%
Voltage	100-240V AC
Input current	1,13A
Power factor	>0,95
Frecuency	50/60 Hz
Voltage of PCB	<60V SELV
Equivalent power	600W HPS
Switching time	<0.1 sec
Dimming and control	Optional
Max. lights/circuit breaker C10	5
Max. lights/circuit breaker C16	8

### Size

Size A	590 mm
Size B	280 mm
Size C	80 mm

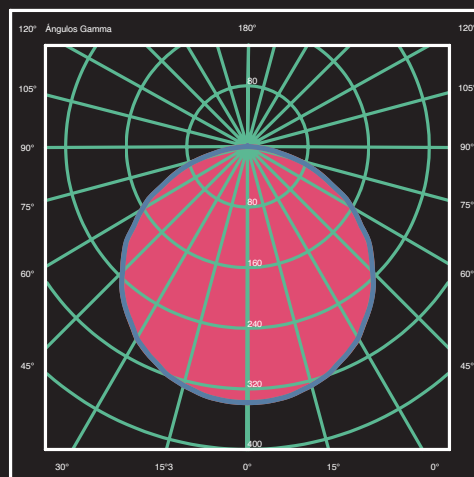


### General features

Type of connection	Phase, Neutral and Grown
Lifespam	60.000 h
LED model	SMD Samsung + Osram
Driver model	Inventronics / Moso 240W IP67
Index protection	IP20
IEC protection	Class II
Impact resistance	IK01
Heatsink material	Aluminium
Protection by SELV	Yes, extra low voltage

### Light features

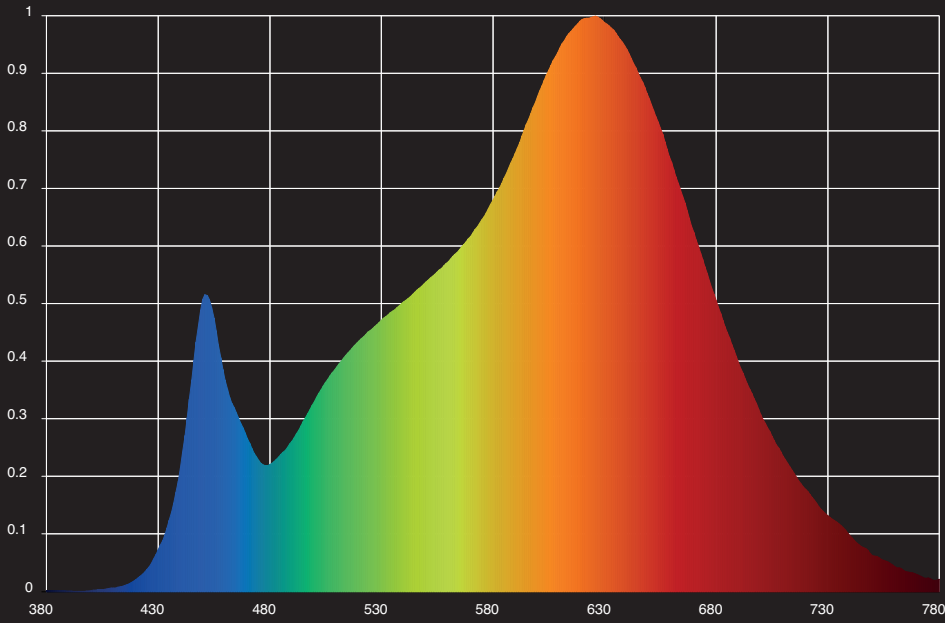
Color temperature	Full Spectrum
Beam Angle	120°
Micromoles	529,49 micromol/sec
PAR micromol	486,43 micromol/sec
CRI	>95
Luminaire efficiency	1,95 micromol/joule
LED efficiency	2,03 micromol/joule



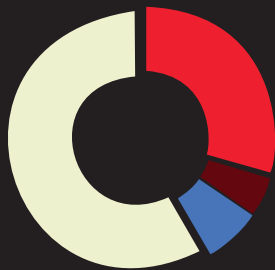


 **Wavelength**

Datos sujetos a cambios March, 2021



### Color Ratio



- Red: 31,84%
- Far Red: 5,32%
- Blue: 7,49%
- Other: 55,36%

PPF per 10nm for UL8800		
Wavelength Range (nm)	PPF (µmol/s)	
350-359	0,0000	
360-369	0,3174	
370-379	0,2282	
380-389	0,0922	
390-399	0,0430	
400-409	0,0992	
410-419	0,2889	
420-429	0,8957	
430-439	2,7575	
440-449	8,5129	
450-459	10,9298	
460-469	7,4697	
470-479	5,3698	
480-489	5,4062	
490-499	6,8905	
500-509	9,0107	
510-519	10,9798	
520-529	12,7325	
530-539	14,3168	
540-549	15,7983	
550-559	17,2554	
560-569	18,9020	
570-579	20,8171	
580-589	23,0547	
590-599	25,7933	
600-609	28,8042	
610-619	31,3599	
620-629	32,9249	
630-639	33,0566	
640-649	31,6428	
650-659	29,1127	
660-669	25,7583	
670-679	22,0307	
680-689	18,3038	
690-699	14,8593	
700-709	11,7604	
710-719	9,1431	
720-729	7,0273	
730-739	5,3301	
740-749	4,0186	
750-759	2,9813	
760-769	2,2059	
770-779	1,6476	
780-789	0,1417	
790-799	0,0000	
UV	0,6809 µmol/s	0,13%
Blue	48,6111 µmol/s	9,17%
Green	168,6594 µmol/s	31,82%
Red	267,8531 µmol/s	50,53%
Far Red	44,2309 µmol/s	8,34%