



The SMITH ⚡ 150w.



The Smith 150W 3000K CRI90

Luminaire for indoor intensive cultivation.

Made in Spain

Years Warranty **2**

⚡ General features

Type of connection	Phase, Neutral and Grown
Lifespan	60.000 h
LED model	SMD Samsung
Driver model	Inventronics / Moso 150W IP67
Index protection	IP20
IEC protection	Class II
Impact resistance	IK01
Heatsink material	Aluminium
Protection by SELV	Yes, extra low voltage

Ref: SMITH1503V1R

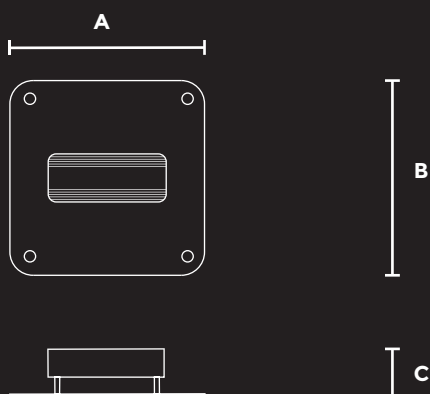


⚡ Electric features

Power	150W
Tolerance of power	10%
Voltage	100-240V AC
Input current	0,63A
Power factor	>0,95
Frecuency	50/60 Hz
Voltage of PCB	<60V SELV
Equivalent power	300W HPS
Switching time	<0.1 sec
Dimming and control	Yes, potentiometer
Max. lights/circuit breaker C10	8
Max. lights/circuit breaker C16	12

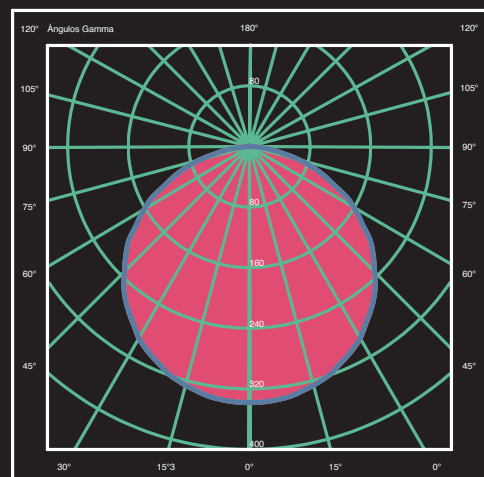
⚡ Size

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



⚡ Light features

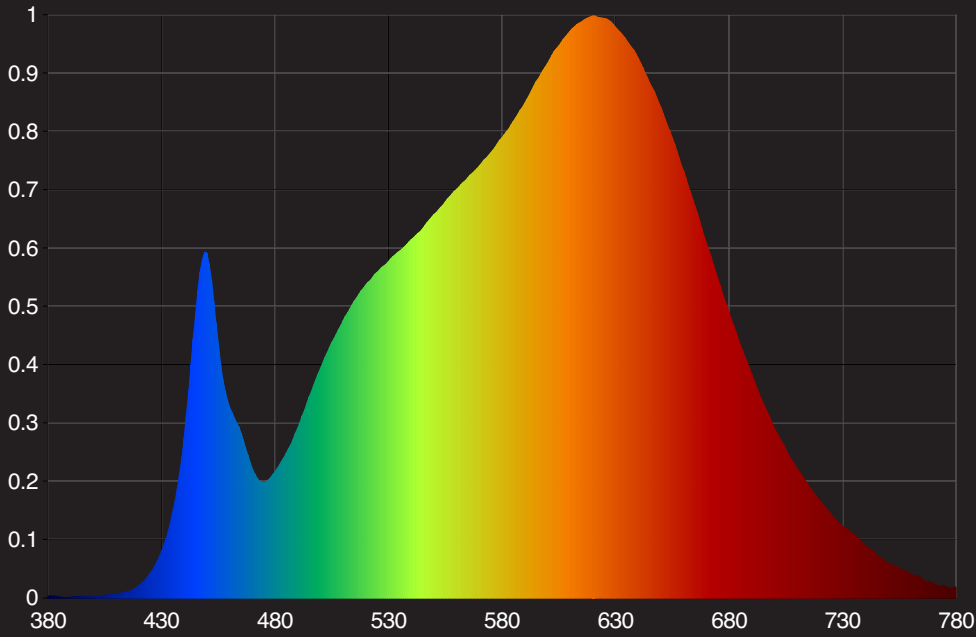
Color temperature	3000K
Beam Angle	120°
Micromoles	282,78 micromol/sec
PAR micromol	261,89 micromol/sec
CRI	>90
Luminaire efficiency	1,87 micromol/joule
LED efficiency	2,05 micromol/joule





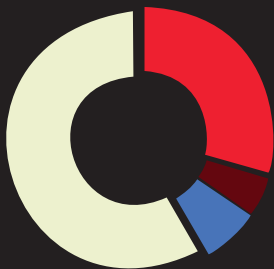
The Jungle

Wavelength



Datos sujetos a cambios March, 2021

Color Ratio



- Red: 29,77%
- Far Red: 4,78%
- Blue: 7,13%
- Other: 58,32%

PPF per 10nm for UL8800		
Wavelength Range (nm)	PPF (µmol/s)	
350-359	0,0000	
360-369	0,1908	
370-379	0,1372	
380-389	0,0533	
390-399	0,0239	
400-409	0,0505	
410-419	0,1828	
420-429	0,4817	
430-439	1,3341	
440-449	4,1188	
450-459	5,4073	
460-469	3,9573	
470-479	3,0143	
480-489	3,1626	
490-499	4,1060	
500-509	5,3966	
510-519	6,5826	
520-529	7,6313	
530-539	8,5706	
540-549	9,4406	
550-559	10,2795	
560-569	11,2010	
570-579	12,2180	
580-589	13,3197	
590-599	14,5664	
600-609	15,8231	
610-619	16,7266	
620-629	17,1191	
630-639	16,8273	
640-649	15,8407	
650-659	14,3936	
660-669	12,6298	
670-679	10,7393	
680-689	8,8874	
690-699	7,1968	
700-709	5,6846	
710-719	4,4270	
720-729	3,4028	
730-739	2,5841	
740-749	1,9311	
750-759	1,4400	
760-769	1,0783	
770-779	0,8081	
780-789	0,0695	
790-799	0,0000	
UV	0,4052 µmol/s	0,14%
Blue	28,8554 µmol/s	9,13%
Green	99,2064 µmol/s	35,04%
Red	136,1937 µmol/s	48,11%
Far Red	21,4425 µmol/s	7,57%