



EcoLine



ECOLine was developed for less light required applications. ECOLine series have the thin and lightweight design, nevertheless which works with internal power supply. The IP52 level is provided protection against for medium humidity level environment. EcoLine is suitable for lots of application such as indoor growing, tissue culture, vertical farming, grafting etc.



Vertical Farming



Grafting



Seedling



Tissue Culture

	ECOLine Colorful G1	ECOLine Colorful G2	ECOLine White G1	ECOLine White G2
Power Input	80-305VAC / 50-60 Hz	80-305VAC / 50-60 Hz	80-305VAC / 50-60 Hz	80-305VAC / 50-60 Hz
Power Usage	12/18/24/30/36 Watt	12/18/24/30/36 Watt	12/18/24/30/36 Watt	12/18/24/30/36 Watt
Efficiency	Up to 90%	Up to 90%	Up to 90%	Up to 90%
PPF/W	1.9 $\mu\text{mol/W}$	2.1 $\mu\text{mol/W}$	180 Lumen/W	200 Lumen/W
Total PPF	23/34/46/57/68 $\mu\text{mol/s}$	25/38/50/63/76 $\mu\text{mol/s}$	2160-6480 Lumen	2400-7200 Lumen
IP Protection	IP52	IP52	IP52	IP52
Heat Output	3.4 BTU/h.W	3.4 BTU/h.W	3.4 BTU/h.W	3.4 BTU/h.W
Working Humidity	%80 (non-condensing)	%80 (non-condensing)	%80 (non-condensing)	%80 (non-condensing)
Operating Temp.	30-40 °C	30-40 °C	30-40 °C	30-40 °C
Ambient Temp.	-10 +30 °C	-10 +30 °C	-10 +30 °C	-10 +30 °C
Spectrum	Standard and Optional	Standard and Optional	2000K - 10000K	2000K - 10000K
Lifespan L70	40.000h	50.000h	50.000h	60.000h
Viewing Angle	120 degree (50%)	120 degree (50%)	120 degree (50%)	120 degree (50%)
Dimension	60/90/120/180x(29x34) cm	60/90/120/180x(29x34) cm	60/90/120/180x(29x34) cm	60/90/120/180x(29x34) cm
Weight	335/470/610/745/885 g	335/470/610/745/885 g	335/470/610/745/885 g	335/470/610/745/885 g
Certificate	CE	CE	CE	CE
Warranty	2 years	3 years	2 years	3 years

Order Code - Colorful	Length	Power	PPF	Order Code - White	Length	Power	Lumen	CODE	Standard Spectrum Combinations
PL060012D150ECGLC-G1	60cm	12W	23 $\mu\text{mol/s}$	PL060012D150ECGLW-G1	60cm	12W	2160 L	PL32A	General purpose with highest efficiency output
PL060012D150ECGLC-G2	60cm	12W	25 $\mu\text{mol/s}$	PL060012D150ECGLW-G2	60cm	12W	2400 L	PL33G	Best combination for Germination purpose
PL090018D150ECGLC-G1	90cm	18W	34 $\mu\text{mol/s}$	PL090018D150ECGLW-G1	90cm	18W	3240 L	PL34S	Best combination for Seedling
PL090018D150ECGLC-G2	90cm	18W	38 $\mu\text{mol/s}$	PL090018D150ECGLW-G2	90cm	18W	3600 L	PL35V	Best combination for Vegetative growth
PL120024D150ECGLC-G1	120cm	24W	46 $\mu\text{mol/s}$	PL120024D150ECGLW-G1	120cm	24W	4320 L	PL36F	Best combination for Flowering and Fruting
PL120024D150ECGLC-G2	120cm	24W	50 $\mu\text{mol/s}$	PL120024D150ECGLW-G2	120cm	24W	4800 L	*** Custom design available.	
PL150030D150ECGLC-G1	150cm	30W	57 $\mu\text{mol/s}$	PL150030D150ECGLW-G1	150cm	30W	5400 L	General Notes - Optionally a specific spectrum combination with unique colors. Available Colors: 450nm, 660nm, 730nm, 2000-10000 Kelvin - PPF, Lumen, Watt values are based on general spectrum combination and can be different according to any other spectrum combinations. - All values may vary in the range of $\pm 5\%$.	
PL150030D150ECGLC-G2	150cm	30W	63 $\mu\text{mol/s}$	PL150030D150ECGLW-G2	150cm	30W	6000 L		
PL180036D150ECGLC-G1	180cm	36W	68 $\mu\text{mol/s}$	PL180036D150ECGLW-G1	180cm	36W	6480 L		
PL180036D150ECGLC-G2	180cm	36W	76 $\mu\text{mol/s}$	PL180036D150ECGLW-G2	180cm	36W	7200 L		

