

GROWLIGHTENGINE®

Generation 1.0

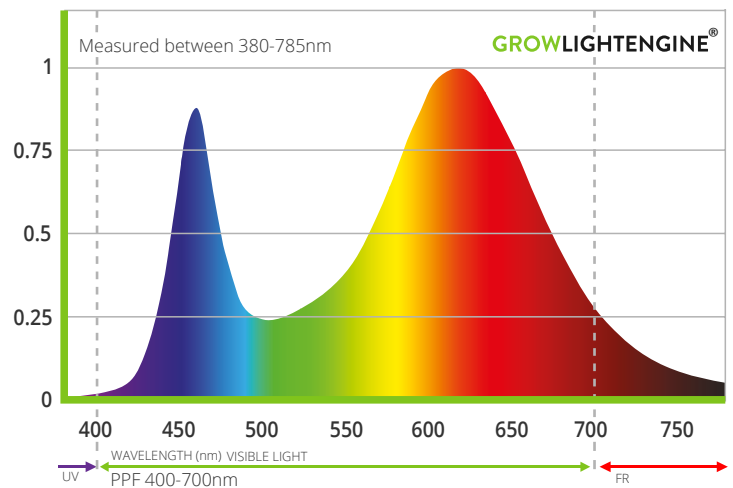


Power (Watt)	310 W
Power factor	220-240 V AC, 50/60 Hz
Beam angle	120°
Index of protection	IP67
Ambient temperature	-40 ~ +35 °C
Quantity of drivers	1/luminaire
Light fixture material	Aluminium
Lens material	Borosilicate
Cooling system	Passive cooling
LED light source technology	COB
Spectrum	Full Power
PPF*	443 umol/s
PPF Efficacy	1,4 umol/J
PPFD in 30cm	1460 umol/s/m ²
Luminous flux	17911 lm
Dimming	1-10 V (With professional dimming cable)
Light source lifespan	10 years
Warranty period	3+2 years

*PPF was calculated in the WL range of 380-785nm, so correct term is Photon flux, PF. Indicates a typical value average in the LED production of 100 pcs, might vary 5% to 10% up or down.

Included components

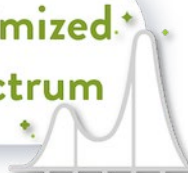
1x	LED luminaire	245x220x105 mm
1x	Driver	240x90x45 mm
4x	Hanging cable	900 mm (Height adjustable 100~750 mm)
1x	Mains lead	900 mm



30% More
Yield



Optimized
Spectrum



Major
Quality



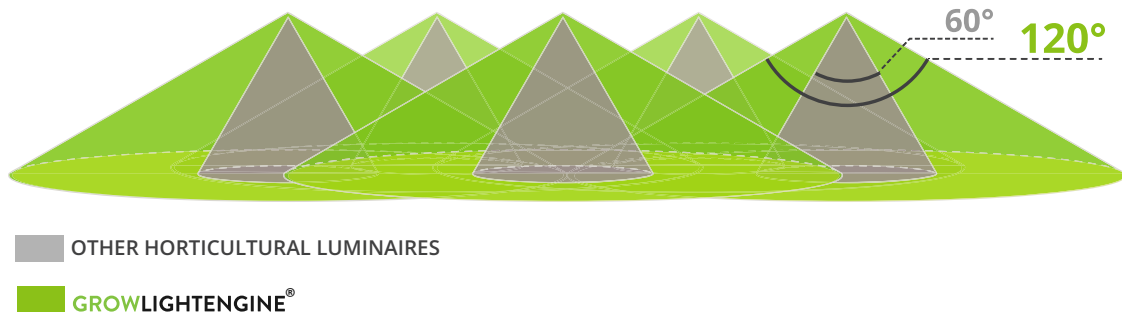
www.growlightengine.com

Rajakivenkatu 8, 20740 Turku, Finland / +358(0)2 2462300 / sales@growlightengine.com

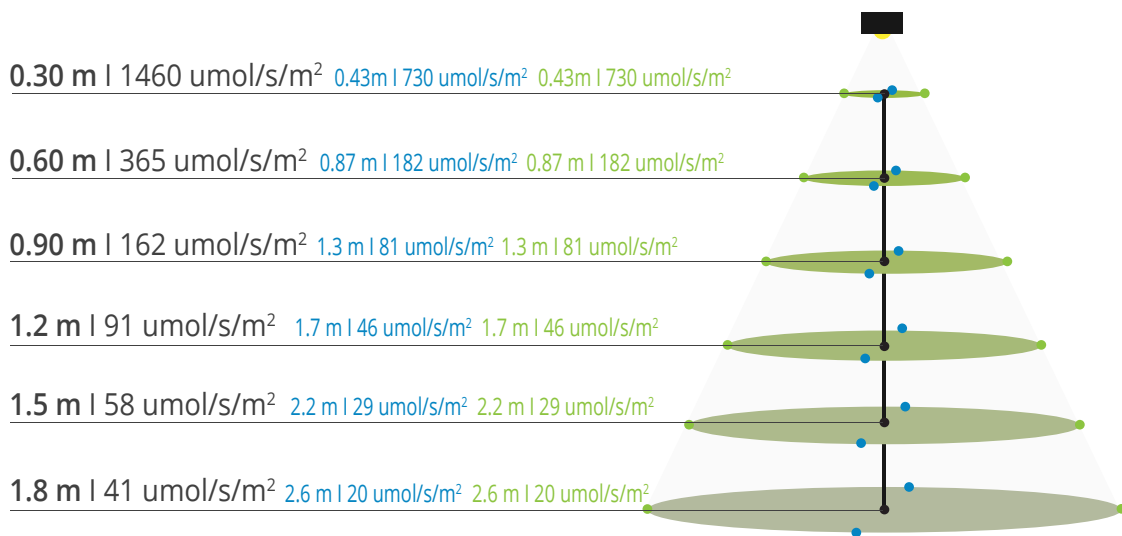
 @growlightengine

 /growlightengine

HIGH-QUALITY 120° LENS



PPFD IN DIFFERENT HEIGHTS



EXPERIENCES WITH DIFFERENT PLANTS

	Productivity	Yield	Harvest period	Harvest/year	Comments from gardeners
CUCUMBER	+ 15-30%	kg/m ² rises	Stays same	-	- Well formed - Good taste
TOMATO	+ 15-20%	kg/m ² rises	Fruiting starts earlier	-	- Tastier fruit - Easier quality-control
LETTUCE	+ 25-30%	-	7-10 days faster	+ 3-4	- Greener - No burned leaves - Well formed: denser
HERBS	+ 25-35%	-	7-10 days faster	+ 3-4	- Well formed - Greener - Tastier
FLOWERS	+ 25-35%	-	10-14 days faster	+ 3-4	- Better colors - Well formed flowers - Doesn't grow too high
CANNABIS	+ 15-25%	g/m ² can rise	10-14 days faster	+ 1-2	- Better quality and taste - Denser and greener - More resin