Optimized performance for optimal combination of efficacy and light output

Beam	Voltage			Deep Red/Blue/Low Blue	Deep Red/White/Low Blue	Deep Red/White/Mid Blue	Deep Red/White
Standard beam	277-400V	Typical photon flux	µmol/s	2200	2150	2100	1650
		Power consumption	W	645	645	645	645
		Efficacy	µmol/J	3.4	3.3	3.3	2.6
Wide beam	277-400V	Typical photon flux	µmol/s	2000	1950	1900	
		Power consumption	W	645	645	645	
		Efficacy	µmol/J	3.1	3.0	2.9	

High light output for light-loving crops

Beam	Voltage			Deep Red/Blue/Low Blue	Deep Red/White/Low Blue	Deep Red/White/Mid Blue
Standard beam	400V	Typical photon flux	µmol/s	2650	2600	2550
		Power consumption	W	780	800	780
		Efficacy	µmol/J	3.4	3.3	3.3

High efficacy for lowest operational costs

Beam	Voltage			Deep Red/Blue/Low Blue	Deep Red/White/Low Blue	Deep Red/White/Mid Blue	Deep Red/White/Far Red[1]
Standard beam	200-400V	Typical photon flux	µmol/s	1850	1800	1750	1650
		Power consumption	W	520	520	520	520
		Efficacy	µmol/J	3.6	3.5	3.4	3.2

Cost effective grow light for easier financing

Beam	Voltage			Deep Red/Blue/Low Blue	Deep Red/White/Low Blue	Deep Red/White/Mid Blue
Standard beam	277-400V	Typical photon flux	µmol/s	1800	1800	1800
		Power consumption	W	590	610	620
		Efficacy	µmol/J	3.1	3.0	2.9
Wide beam	277-400V	Typical photon flux	µmol/s	1800	1800	1800
		Power consumption	W	600	620	630
		Efficacy	µmol/J	3.0	2.9	2.9

All products are dimmable to 10% of the photon flux/power consumption when combined with a GrowWise Control system.

Keep existing light level and save energy

Select	Beam	Voltage			Deep Red/Blue/Low Blue	Deep Red/White/Low Blue	Deep Red/White/Mid Blue
Optimized performance 1000 W HPS replacement	Standard beam	277-400V	Typical photon flux	µmol/s	2200	2150	2100
			Power consumption	W	645	645	645
			Efficacy	µmol/J	3.4	3.3	3.3
	Wide beam	277-400V	Typical photon flux	µmol/s	2000	1950	1900
			Power consumption	W	645	645	645
			Efficacy	µmol/J	3.1	3.0	2.9
Cost effective 1000 W HPS replacement	Standard beam	277-400V	Typical photon flux	µmol/s	1800	1800	1800
			Power consumption	W	590	610	620
			Efficacy	µmol/J	3.1	3.0	2.9
	Wide beam	277-400V	Typical photon flux	µmol/s	1800	1800	1800
			Power consumption	W	600	620	630
			Efficacy	µmol/J	3.0	2.9	2.9

Utilize available power and increase light level

Replace	Beam	Voltage			Deep Red/Blue/Low Blue	Deep Red/White/Low Blue	Deep Red/White/Mid Blue	Deep Red/White/Far Red[1]
HPS 600 Watt	Standard beam	200-400V	Typical photon flux	µmol/s	1850	1800	1750	
			Power consumption	W	520	520	520	
			Efficacy	µmol/J	3.6	3.5	3.4	
	Standard beam	277-400V	Typical photon flux	µmol/s	1800	1800	1800	
			Power consumption	W	590	610	620	
			Efficacy	µmol/J	3.1	3.0	2.9	
	Wide beam	277-400V	Typical photon flux	µmol/s	1800	1800		
			Power consumption	W	600	620		
			Efficacy	µmol/J	3.0	2.9		
HPS plus 1.000 Watt	Standard beam	200-400V	Typical photon flux	µmol/s	1850 (2 lights on 1 HPS socket)	1800 (2 lights on 1 HPS socket)	1750 (2 lights on 1 HPS socket)	1650 (2 lights on 1 HPS socket)
			Power consumption	W	520 (2 lights on 1 HPS socket)	520 (2 lights on 1 HPS socket)	520 (2 lights on 1 HPS socket)	520 (2 lights on 1 HPS socket)
			Efficacy	µmol/J	3.6	3.5	3.4	3.2

Note: half the power consumption of HPS 1.000 Watt; 2 TLC modules replace one 1.040 Watt HPS grow light
All products are dimmable to 10% of the photon flux/power consumption when combined with a GrowWise Control system.