

Lighting Summary, Horticultural Application

Brand	Feit
Model	GLP24FS/19W/LED
Lamp Type	LED

Voltage (VAC)	120
Current (A)	0.158
Power (W)	19

Photon Flux($\mu\text{mol/s}$)

mm range($\mu\text{mol/s}$)

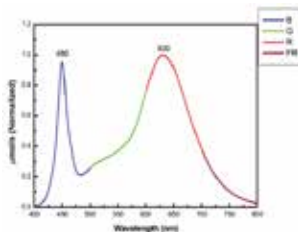
400-499	5.23595
500-599	6.92223
600-700	13.4475

Total	25.60567
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PAR ($\mu\text{mol/s}$)	25
PAR efficacy ($\mu\text{mol/J}$)	1.3
PAR efficacy ($\mu\text{mol/kWh}$)	4.7

Luminous Flux (lm)	1200
CCT (K)	3300
CRI (Ra)	75

Normalized Photon Flux



- ▶ Red and blue ends of the visible part of the electromagnetic spectrum are used by plants in photosynthesis.
- ▶ Chlorophylla-a & b are the primary pigments for photosynthesis in plants with absorption peaks at approximately 450nm and 630nm.