

Model: DAYLIGHT 1030W PRO LED
 SKU: 50774
 Power Consumption: 1030W
 Photosynthetic Photon Efficacy (PPE): 3.1 $\mu\text{mol/J}$
 Photosynthetic Photon Flux (PPF): 3193 $\mu\text{mol/s}$
 Input Voltage Range: 120–277V AC
 Input Frequency: 50/60 Hz

Spectral Output

Full Spectrum with added Far Red
 (Includes wavelengths beyond 700nm)

Environmental Ratings

IP Rating: IP65 (dust-tight & water-resistant)
 Operating Temp: -10°C to +40°C
 Storage Temp: -25°C to +50°C

Safety & Compliance

Surface Temperature rise: <45°C
 (at 230V input, 25°C ambient)
 Insulation Resistance: $\geq 2 \text{ M}\Omega$ @ 500 V DC
 Ground Resistance: <0.1 Ω @10A
 Hi-Pot Test: 1554V AC, 5.5mA max, 60s
 Certifications: IEC 60598-1, EN 61347-1, EN 61347-2-13

EMC Compliance

EMI: EN55015
 EMS: IEC 61000 series
 Surge: IEC 61000-4-5
 EFT: IEC 61000-4-4
 Voltage Dips: IEC 61000-4-11
 ESD: IEC 61000-4-2
 Humidity: 20–90% RH (non-condensing)

Power Factor: >0.95 (At 230V, full load)
 Input Current (typical): 8.9A @120V, 4.5A @230V,
 3.7A @277V

Recommended Coverage Area:

Optimal for 1.5 x 1.5m - 1.8 x 1.8m

Dimming Options

Onboard Dimmer: 25% / 50% / 75% / 100%
 Remote Control: 20%–100% compatible

LED Configuration

4950 x White: 3.1 $\mu\text{mol/J}$
 120 x Red: 4.15 $\mu\text{mol/J}$
 60 x Far Red: 3.6 $\mu\text{mol/J}$

Product Dimensions

