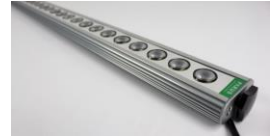




PARUS LED grow light

PGL-PFL-RB Control Specification



| Product | Model Name | | PGL-PFL-RB Control | | | |
|---------------------|--------------------------|---|--|--------------------------|--------------------------|--------------------------|
| | System Power Consumption | | 50 Watt(600mm, B type) | 100 Watt(1200mm, B type) | 150 Watt(1800mm, B type) | 200 Watt(2400mm, B type) |
| | Dimension(LxWxH) | | 640mm x 60mm x 22mm | 1240mm x 60mm x 22mm | 1840mm x 60mm x 22mm | 2440mm x 60mm x 22mm |
| | Packing(LxWxH) | | 750mm x 110mm x 90mm | 1350mm x 110mm x 90mm | 1950mm x 110mm x 90mm | 2550mm x 110mm x 90mm |
| | Weight | | 1.3kg | 2.6kg | 3.9kg | 5.2kg |
| Power | AC input voltage range | | Free voltage 90~305VAC, 47~63Hz | | | |
| | SMPS mode (ballast) | | DC Current Design(CC.CV Doul Mode) | | | |
| | Protection | | Short circuit, Overload, Over voltage | | | |
| | Power Factor | | Over 92%, PFC > 0.95 | | | |
| LEDs | Ratio(R:B:0) | | (11:3:4) | | | |
| | Light source | | Hi-Power 700mA ~ 1050mA LED | | | |
| | Total number of LED's | | 18EA | 36EA | 58EA | 72EA |
| | Used LED | | 3~6 Watt(Double wavelength) | | | |
| Heat Sink | Heat Sink Type | | Standard : Cooling by free air convection <i>Option : Water Cooling</i> | | | |
| | FRAME Metrial | Body | Aluminium | | | |
| | | PCB | Metal PCB(aluminium) | | | |
| | | Heat conduction | 2.0 w/m.k | | | |
| | | Thermal resistance | 0.2 °C/w | | | |
| IP Class | IP65 | complete protection against contact, Water projected in powerful jets against the enclosure from any direction shall have no harmful effects. <i>Option : IP67</i> | | | | |
| Efficiency | PPFD | 830 umol m-2 s-1(measure the distance 200mm) 300 umol m-2 s-1(measure the distance 500mm) 118 umol m-2 s-1(measure the distance 1,000mm) 57 umol m-2 s-1(measure the distance 1,500mm) | | | | |
| Control | Group Control | Single Dimming(Res and Blue), Wireless Control Group Dimming, Wireless Control, Automatic PAR Dimming | | | | |
| Pulse Wavelength | Pulse | | 400µs | | | |
| | Duty rate | | 0~100% | | | |
| Ambient Temperature | Storage Temp. | | -30°C ~ 85°C | | | |
| | Operation Temp. | | ~30°C | | | |
| Angle | Lamp angle | | 90°(option 15°, 30°, 45°,60°, 120°) | | | |
| Life time | | | Over 50,000hr, Water cooling 100,000hr | | | |
| Safety | Standard(LED Driver) | | CE, EMC, UL,cUL | | | |
| Warranty | 2 year | | LED (2 year) | | | |

