

LEDZW003C

APPLICATIONS

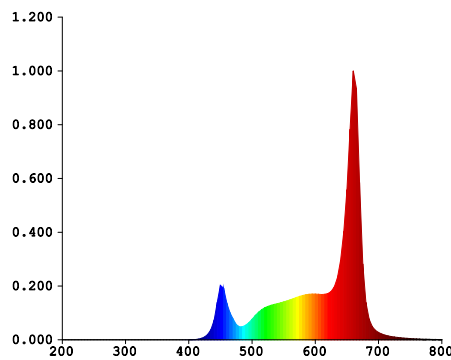
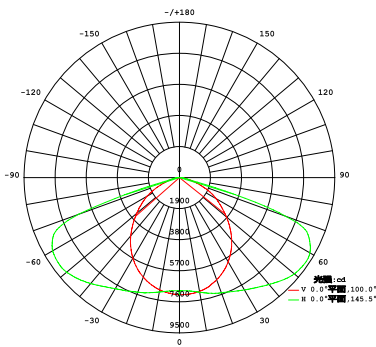
Use in supplement light for plant growth, suitable for tomato, cucumber, pepper, cannabis, rose and other plant, application in indoor supplement light, the place with short outdoor lighting time and insufficient light

FEATURES

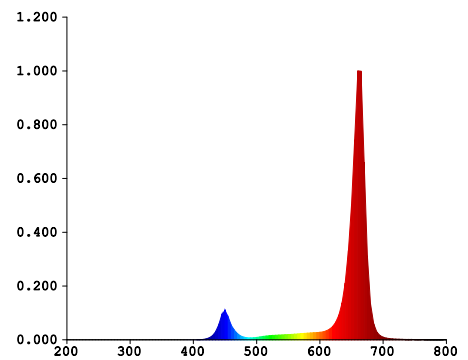
1. All adopt superior stainless steel nuts.
2. Die-casting shell brings perfect heat dissipation, Simple&perfect appearance.
3. Adopt the intergrated lens to improve the luminous efficacy and offer perfect light distribution.
4. Aluminum PCB with high thermal conductivity as chip carrier for faster cooling.
5. With full spectrum High efficiency 5050 chips
6. 480W replace 600W HPS, 660W replace 1000W HPS light.
7. less heat, avoids the damage to plant, installing more closer to plant, improves the utilization rate of light.
8. Beam angel : Full spectrum 97*145° , Red light: 100*145° .
9. Using stainless steel bracket, easy installation



OPTICS PARAMETER

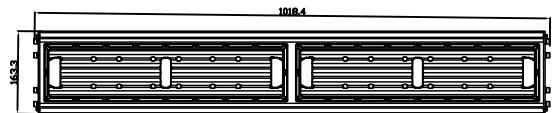
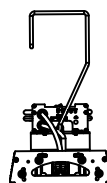
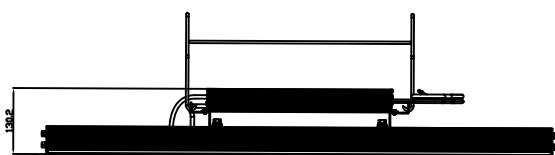


LEDZW003C-2



LEDZW003C-1

Product size



RED LIGHT

| Item description | LEDZW480W003C-1L LEDZW480W003C-1H | LEDZW520W003C-1L LEDZW520W003C-1H | LEDZW630W003C-1L LEDZW630W003C-1H | LEDZW660W003C-1L LEDZW660W003C-1H |
|----------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Input voltage [Vac] | 100-277/277-480Vac | 100-277/277-480Vac | 100-277/277-480Vac | 100-277/277-480Vac |
| Input current [A] | 2.0@240V | 2.17 @240V | 2.63 @240V | 2.8@240V |
| Input wattage [W] | 480±5% | 520±5% | 630±5% | 660±5% |
| Input frequency [Hz] | 50/60 | 50/60 | 50/60 | 50/60 |
| Power factor | ≥0.95@240V | ≥0.96@240V | ≥0.96@240V | ≥0.96@240V |
| Output voltage [V] | 51 | 51 | 51 | 51 |
| Output current [A] | 8.76 | 9.5 | 11.5 | 12 |
| Wattage(reference) [W] | 446±5% | 484±5% | 586±5% | 614±5% |
| Luminous flux [Lm] | 26500 | 27500 | 32500 | 37800 |
| Colour temperature [K] | 1250 | 1250 | 1250 | 1250 |
| Colour rendering index [Ra] | 30 | 30 | 30 | 30 |
| Flux of emitted photons [μmol/s] | 1580 | 1640 | 1980 | 2310 |
| PPFD [PAR] | 510 (H1.8m) | 550 (H1.8m) | 670 (H1.8m) | 700 (H1.8m) |
| Beam Angle [L,V] | 100X145° | 100X145° | 100X145° | 100X145° |
| LED chip | 5050, 3535 | 5050, 3535 | 5050, 3535 | 5050, 3535 |
| Average life [h] | 50000 | 50000 | 50000 | 50000 |
| Color precent | R56% G40% B4% | R56% G40% B4% | R56% G40% B4% | R56% G40% B4% |
| Net weight [kg] | 9.25Kg | 9.25Kg | 9.3 Kg | 9.3 Kg |
| Gross weight [kg] | 10.75 Kg | 10.75 Kg | 10.8 Kg | 10.8Kg |
| Dimensions | 101.84cm*16.33 cm*13.02cm | 101.84cm*16.33 cm*13.02cm | 101.84cm*16.33 cm*13.02cm | 101.84cm*16.33 cm*13.02cm |
| Environment | IP66 | IP66 | IP66 | IP66 |
| Storage Environment | -40°C-85°C RH10%-95% | -40°C-85°C RH10%-95% | -40°C-85°C RH10%-95% | -40°C-85°C RH10%-95% |
| Ambient temperature [°C] | -25°C-50°C | -25°C-50°C | -25°C-50°C | -25°C-50°C |

FULL SPECTRUM

| Item description | LEDZW480W003C-2L LEDZW480W003C-2H | LEDZW520W003C-2L LEDZW520W003C-2H | LEDZW630W003C-2L LEDZW630W003C-2H | LEDZW660W003C-2L LEDZW660W003C-2H |
|----------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Input voltage [Vac] | 100-277/277-480Vac | 100-277/277-480Vac | 100-277/277-480Vac | 100-277/277-480Vac |
| Input current [A] | 2.0@240V | 2.17 @240V | 2.63 @240V | 2.8@240V |
| Input wattage [W] | 480±5% | 520±5% | 630±5% | 660±5% |
| Input frequency [Hz] | 50/60 | 50/60 | 50/60 | 50/60 |
| Power factor | ≥0.95@240V | ≥0.96@240V | ≥0.96@240V | ≥0.96@240V |
| Output voltage [V] | 53.7 | 53.7 | 53.7 | 53.7 |
| Output current [A] | 8.32 | 9.02 | 10.9 | 11.4 |
| Wattage(reference) [W] | 446±5% | 484±5% | 586±5% | 614±5% |
| Luminous flux [Lm] | 61700 | 64000 | 78500 | 78640 |
| Colour temperature [K] | 2700 | 2700 | 2700 | 2700 |
| Colour rendering index [Ra] | 80 | 80 | 80 | 80 |
| Flux of emitted photons [μmol/s] | 1490 | 1540 | 1850 | 1880 |
| PPFD [PAR] | 436 (H1.8m) | 470 (H1.8m) | 570 (H1.8m) | 600 (H1.8m) |
| Beam Angle [L,V] | 97X145° | 97X145° | 97X145° | 97X145° |
| LED chip | 5050, 3535 | 5050, 3535 | 5050, 3535 | 5050, 3535 |
| Average life [h] | 50000 | 50000 | 50000 | 50000 |
| Color precent | R29% G68% B3% | R29% G68% B3% | R29% G68% B3% | R29% G68% B3% |
| Net weight [kg] | 9.25Kg | 9.25Kg | 9.3 Kg | 9.3 Kg |
| Gross weight [kg] | 10.75 Kg | 10.75 Kg | 10.8 Kg | 10.8Kg |
| Dimensions | 101.84cm*16.33 cm*13.02cm | 101.84cm*16.33 cm*13.02cm | 101.84cm*16.33 cm*13.02cm | 101.84cm*16.33 cm*13.02cm |
| Environment | IP66 | IP66 | IP66 | IP66 |
| Storage Environment | -40°C-85°C RH10%-95% | -40°C-85°C RH10%-95% | -40°C-85°C RH10%-95% | -40°C-85°C RH10%-95% |
| Ambient temperature [°C] | -25°C-50°C | -25°C-50°C | -25°C-50°C | -25°C-50°C |

*LEDZW003C-1L 1 stands for red light , 2 stands for full sepctrum , L for100-277V , H for 277-480V

INSTALLATION

