


Go Green Lighting, LLC

301-880-0549

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| Picture | Item | Spec. | Curve | Beam pattern | Project | Comparison | Feature |
|--|------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|  | GL-103-80W | check here | check here | check here | check here | check here | check here |

Remark

- **Price: \$655.59 under 50 pieces and \$ 455.59 over 50 pieces.**
- **Payment Terms: 30% down payment P.I.F. at delivery.**
- **Sample Delivery time: About 7 days after received the down payment**
- **Delivery: 7-15 days after order confirmed**
- **Valid Period: one month**
- **MOQ: 5PCS**
- **Quality warranty: ten years**

规格尺寸图 Dimensions



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| | |
|----------------------------------|--|
| Model Number | AOK-103-80W |
| Input Voltage | 85-264VAC, 12 or 24VAC/DC |
| Frequency Range | 47~63Hz |
| Power Factor(PF) | > 0.9 |
| Total Harmonic Distortion (Thd) | < 20% |
| Power Efficiency | 0.85 |
| Working Voltage | 85-264VAC, 12 or 24VAC/DC |
| Led Consumption | 80w |
| Power Supply Consumption | 10w |
| Led Luminous Efficiency | ≥90lm/w |
| Led Initial Flux | 7,200lm (T _j =25°C) |
| Led Maintain Flux | 6,800lm(T _j =60°C,T _a =25°C) |
| Lamp'S Flux | 6,500lm(T _j =60°C,T _a =25°C) |
| Lamp'S Efficiency (%) | > 90% |
| Illumination (E) | (Height=6m)≥45 Lux (Replaced Sodium Light Of 90 Lux) |
| | (Height=8m) ≥26 Lux (Replaced Sodium Light Of 72 Lux) |
| | (Height=10m) ≥17 Lux X (Replaced Sodium Light Of 65 Lux) |
| Effective Illuminated Area | (Height=6m): 20 x 8m |
| | (Height=8m):26 x 10m |
| | (Height=10m):33 x 13m |
| Color Temperature | Pure White: 5,000~7,000k; Warm White :3,000~4,000k |

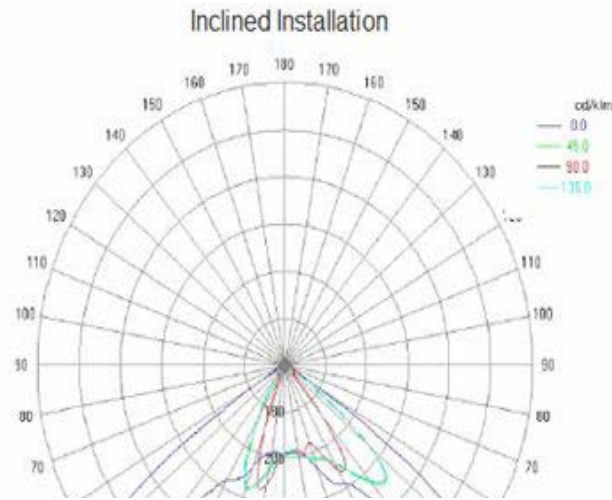
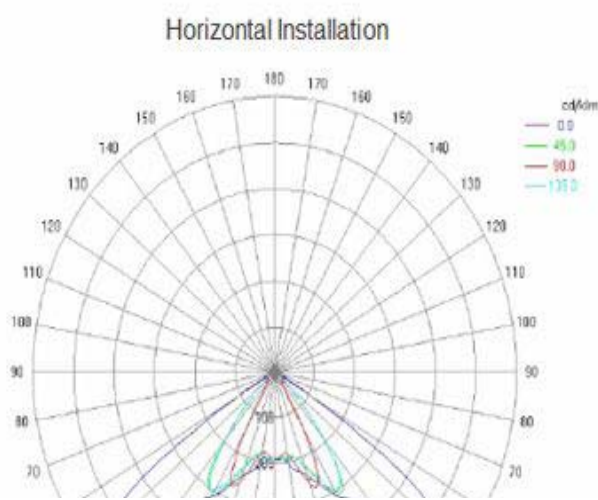
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|---------------------------------------|--|
| Color Index(CRI) | Ra > 75 |
| Light Source | High Power 1watt LED |
| Light Distribution Curve/Beam Pattern | Asymmetric (Bat Wing)/ Rectangular Beam |
| The Highest Light Intensity Angle | 120°:The Horizontal Axis:110°, The Vertical Axis:45°; 140°:The Horizontal Axis:130, The Vertical Axis:45° |
| Beam Angle | 120°:The Horizontal Axis:110°, The Vertical Axis:45°; 140°:The Horizontal Axis:130, °The Vertical Axis:45° |
| Junction Temperature(Tj) | 60 °C ±10 %(Ta=25°C) |
| System Resistance (Rja) | 0.56°C/W |
| Working Temperature | <25°C |
| Working Humidity | 10%~90% |
| Storage Temperature | 10 ~85 |
| Working Life | 50,000 Hrs |
| Light Body& Lampshade | Aluminum Alloy And PC |
| The Dimensions(Units: mm) | 680*270*130mm |
| Net Weight | 7.4 Kgs |
| IP Rating | IP65 |
| | |
| | |
| | |

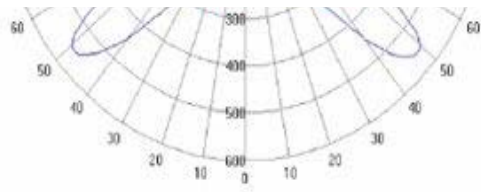
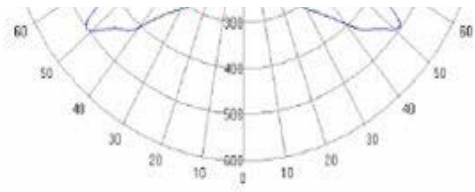
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Bat-wing beam pattern of the distribution curve, also can be changed by different section's demand. Rationally control the distribution to be a rectangular beam pattern. When the installation height=36feet, the beam pattern is 40x16 rectangular. and the radiation-efficiency is more than 70% in the effective region, the total transpance is more than 90%, the greatest extent possible to reduce the loss of light, the LED light has been fully utilized. The illumination uniformity is very good in the effective radiation region, even better than 0.5, higher than the highest grades of 0.4 of the state road's standards. The edge of the beam pattern is very clear and slide. No adverse glare out of the effective radiation region, will not cause any light pollution, it is an idea cut-lighting lamp. Satisfy the requirements of the road lighting or other special lighting, which can be widely used in the special requirements such as street lighting, advertising lighting, etc.: it is a green, energy-saving, environmentally friendly lighting product.



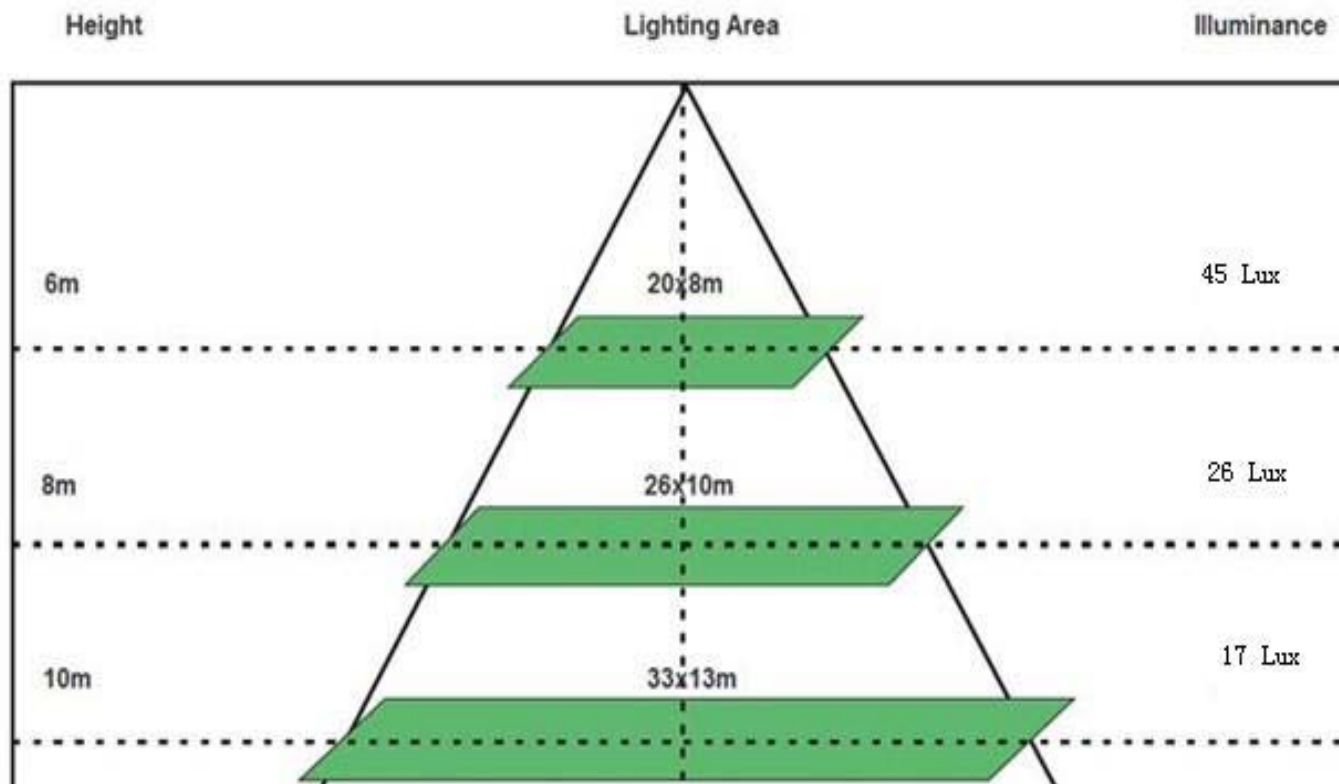


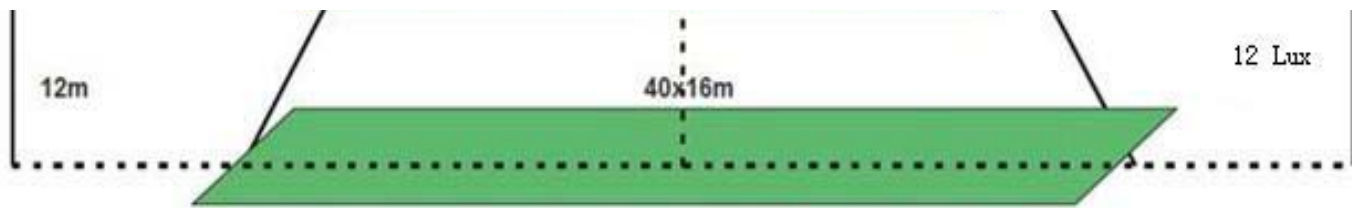
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The Beam Pattern is rectangular (rectangle), good illumination uniformity, brightness difference is very little between the spot of center and periphery. Almost no difference in the direction of extending the road completely with the continuous extension of the road, it is the ideal lighting lamps for road lighting.





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LED technology is increasingly being used in street light applications due to its longer life and energy-saving qualities. Compared to an HPS street light, an LED street light will last up to 50,000 hours and significantly reduce light pollution. An LED Street Light will also be better equipped to withstand extreme hot and cold temperatures than an HPS Street Light, which makes it suited for outdoor use. Moreover, LED Street Light has a 100 to 1,000 times faster response, even no delay, which results in sharp, pure color. See where we installed our Street Light, choose LED Street Light from AOK LED today and experience the future of light!

LED Street Light, AOK-101-120W in France



LED Street Light, AOK-101-120W in Japan



LED Street Light, AOK-103-80W in china



LED Street Light, AOK-103-80W in USA



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| Items | High Pressure Sodium | GL LED Street Light |
|----------------------------------|---|--|
| Photometric Performance | Bad | Excellent |
| Radiator Performance | Bad | Excellent |
| Electric Performance | Electric Shock Easy(High Voltage) | Safe (Low Voltage) |
| Working Life | Short (5,000h) | Quite Long (> 50,000h) |
| Working Voltage Range | Narrow ($\pm 7\%$) | Wide($\pm 20\%$) |
| Power Consumption | Quite High | Quite Low |
| Startup Speed | Quite Slow(Over 10minutes) | Rapid (2s) |
| Strobe | Yes(Alternating Current Drive) | No(Direct Current Drive) |
| Optical Efficiency | Low | High |
| Color Index/ Distinguish Feature | Bad, Ra< 50(The Color Of Object Is Faith, Boring, Hypnosis) | Good, Ra>75(The Color Of Object Is Fresh, Veritable And Comfortable) |
| Color Temperature | Quite Low (Yellow Or Amber , Uncomfortable) | Ideal Color Temperature (Comfortable) |
| Bad Glare | Strong Glare (Dazzle) | No Harmful Glare |
| Light Pollution | Strong | No |
| Heating | Serious (>300°C) | Cold Light (<60°C) |
| Lampshade Turn Dark | Easy (Absorb Dust) | No (Static Proof) |
| Lamp Aging Turn Yellow | In A Short Time | No |
| Shockproof Performance | Bad(Fragile) | Good (No Filament Nor Glass) |
| Environment Pollution | Contains Lead Element Etc. | No |
| Maintenance Cost | High | Quite Low |

| | | |
|------------------------|-------|-------------------------|
| Product Cubage | Big | Small (Slim Appearance) |
| Product Weight | Heavy | Light |
| Cost-Effective | Low | High |
| Integrated Performance | Bad | Excellent |

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- 1 Revolutionary Photometric Design - The world's first dedicated optical system (rectangular beam focusing lens). Reasonable control of the light distribution, spot rectangular beam pattern, and ensure an ideal uniformity of brightness on the road surface;
- 2 Unique Integrated Lens and Lampshade Design - Array Lens play a protective and spot light role, avoid wasteful duplication of light and reduce the loss of light, also reduce the weight of the product and enable simplified structure;
- 3 Creative Design of the Radiator and Lampholder Integration - Fully protect LED life and heat dissipation requirements, satisfied with the structure and design of LED Lights fundamentally, with the most distinctive features of LED Lights(see attached picture);
- 4 Standard E40, 360-degree Rotation Lamp Holder - It can still rotate after full tightening the lamp holder arbitrarily, adjust to ensure the best direction face to the ground;
- 5 Direct Replacement Light Source Design - Direct replace the existing high-pressure mercury lamp, high pressure sodium lamp, metal halide lamps, no need to change the original lamp shell;
- 6 Intelligent Current Control - Intelligent current control, whatever any deviant situation, it is able to achieve the precision constant current, ensure the LED can work under the secure current;
- 7 No Adverse Glare - Eliminate the glare caused by the adverse ordinary lights glare and visual fatigue sight interference, improve driving safety, reduce the incidence of traffic accidents, fully embodies the spirit of "People-oriented Technology" in this product;
- 8 No Light Pollution - Light Distribution designed for road lighting, in addition to illuminate the path and will not illuminate the road outside the region. Eliminate the interference signal by the residents of the light into the rest room;
- 9 No High-voltage, No Dust Adsorption - Eliminate the high-voltage adsorb the dust cause the lampshade become dark, reduce the brightness;
- 10 No High-temperature, No Aging Yellow Lampshade - Eliminate baking the traditional lampshade which cause aging yellow, shortened life expectancy and decrease the brightness;
- 11 Wide Working Voltage – The brightness and working life will be reduced if the working voltage change more than 7% for the traditional streetlight, but it will not influence our LED Streetlight at all;
- 12 Start Without Delay - Reach the normal brightness and do not have to wait when switch on,

- eliminate a long process of starting of the traditional street lights;
- 13 No Strobe - Eliminate the visual fatigue which caused by the strobe lights of the traditional street lamps;
 - 14 Impact Resistance, Shock-proof, Without Ultraviolet (UV) and Infrared (IR) Radiation - No filament and glass frames, avoid break of the traditional lamp, without harm to the human body;
 - 15 High Color Index, Nice Coloration - To show the true colors and more brighter;
 - 16 Multiple Color Temperature Options - Color temperature to meet the needs of different occasions, eliminated the low color temperature of the sodium lamp which cause the hypnotic mood and high color temperature of the mercury lamp which cause the depressed mood, observers will feel more comfortable;
 - 17 Tremendous Energy Saving - Used the ultra high power, high brightness LED light source, together with the high power efficiency power supply, which can save energy 50%-80% than the conventional sodium and mercury lamps;
 - 18 Long Life, Up To 50,000 Hours - (Working for 10 hours a day, can be used for more than 13 years), is 5-10 times working life than a traditional sodium or mercury lamp;
 - 19 Green and Environmental Protection - no lead, no mercury, no environmental pollution;
 - 20 Universal Input Voltage - 85-264VAC full voltage range constant, constant-current PWM technology, high efficiency, low-heat, high-precision constant current;
 - 21 No Pollution to Power Network - Power factor ≥ 0.9 , THD $\leq 20\%$, EMI apply with the global universal index, reduce the power loss and transmission lines to avoid contamination of the network of high frequency interference;
 - 22 Work Under Low-voltage and Low-Heat, Safe and Reliable - LED junction temperature can be controlled under an ideal temperature ($T_J < 70^\circ\text{C}$ $T_a = 25^\circ\text{C}$ ambient temperature);
 - 23 Perfect Combination With Solar Energy - Fully exert the advantage of the LED work under low voltage and environmental work, according to the local solar energy resources, electricity and solar power can also be combined. To achieve the best cost performance and high reliability customers;
 - 24 High Luminous Efficiency - LED luminous efficiency of the existing conditions is $\geq 85\text{lm/w}$, with the rapid increase LED brightness, when the luminous efficiency reach 150lm/w , the 400W sodium lamp will be replace by the 100W LED lamp,? the luminous efficiency will? reach 300lm/w eventually;
 - 25 Have a number of patents for inventions and utility model patents.