

Parameter Table

Electrical Data

| Model | AOK-20WIL03 | AOK-30WIL03 | AOK-50WIL03 | AOK-60WIL03 | AOK-70WIL03 | AOK-80WIL03 |
|-----------------------|---|-------------|-------------|-------------|-------------|-------------|
| Power(W) | 20 | 30 | 50 | 60 | 70 | 80 |
| Input voltage | 100-277VAC | | | | | |
| THD | <20% | | | | | |
| PF | ≥0.95 | ≥0.95 | ≥0.95 | ≥0.98 | ≥0.98 | ≥0.98 |
| Driver | Meanwell / Sosen / Philips. Class 1/ Class 2, EU | | | | | |
| Operating temperature | -40°C to 50°C (-40 °F to 122 °F) | | | | | |
| Control Option | Surge Protective Device、Daylight Sensor Control、1-10V Dimming | | | | | |
| Surge Protection | 10kV / 20kV optional | | | | | |

Photometric Data

| Efficacy(LM/W) (CRI 70Ra, 5000K) | T2 | 145LM/W | 145LM/W | 140LM/W | 135LM/W | 140LM/W | 135LM/W |
|---------------------------------------|--|---------------|---------|---------|---------|---------|---------|
| | T3 | 145LM/W | 145LM/W | 140LM/W | 135LM/W | 140LM/W | 135LM/W |
| | T4 | 145LM/W | 145LM/W | 140LM/W | 135LM/W | 140LM/W | 135LM/W |
| | T5 | 145LM/W | 145LM/W | 140LM/W | 135LM/W | 140LM/W | 135LM/W |
| | Luminous flux (LM) (CRI 70Ra, 5000K) | T2 | 2900LM | 4350LM | 7000LM | 8100LM | 9800LM |
| T3 | 2900LM | 4350LM | 7000LM | 8100LM | 9800LM | 10800LM | |
| T4 | 2900LM | 4350LM | 7000LM | 8100LM | 9800LM | 10800LM | |
| T5 | 2900LM | 4350LM | 7000LM | 8100LM | 9800LM | 10800LM | |
| ULR | = 0%, @ Luminaire inclination 0° | | | | | | |
| CCT | 2700K, 3000K, 4000K, 5000K, 5700K, 6500K | | | | | | |
| CRI | 70Ra, 80Ra, 90Ra | | | | | | |
| Beam angle | T2/T3/T4/T5 | | | | | | |
| LED Manufacturer | LUMILEDS | | | | | | |
| LED model | Lumileds 3030 | | | | | | |
| Working current of single LED (mA) | T2 | 40mA | 60mA | 100mA | 120mA | 90mA | 110mA |
| | T3 | 40mA | 60mA | 100mA | 120mA | 90mA | 110mA |
| | T4 | 40mA | 60mA | 100mA | 120mA | 90mA | 110mA |
| | T5 | 40mA | 60mA | 100mA | 120mA | 90mA | 110mA |
| | Lens | Polycarbonate | | | | | |

Mechanical Data

| | | | | | | |
|-------------------------------|--|-------|-------|-------|-------|-------|
| IP/IK | IP66/IK09, according to standard EN 60529 and EN 62262 | | | | | |
| Vibration resistance | 3G, conform to standard IEC 68-2-6. | | | | | |
| EPA(SCx) | Front: 1.32ft² (0.122632m²); Side: 0.34ft² (0.031587m²); | | | | | |
| Materials | Heavy-duty die-cast aluminum (EN AC-46100) | | | | | |
| Painting | Black, Silver, Custom request | | | | | |
| Surface treatment | Anti-UV thermosetting polyester / 80 micron epoxy primer + Anti-UV thermosetting polyester (for extremely corrosive environments). | | | | | |
| Cable | Pre-wired with a 30 cm cable (Other lengths on request) | | | | | |
| Mounting | Slide entry | | | | | |
| Others | | | | | | |
| Lifespan | L90B10 > 52000 hrs, @Ta 25°C | | | | | |
| Warranty | 5 years (Warranty extension up to 10 years on request) | | | | | |
| Product size | 21.7*8.43*5.35" / 551*214*136mm | | | | | |
| Carton size | 24.21*10.43*8.27" / 615*265*210mm | | | | | |
| Net weight | 3.1kg | 3.1kg | 3.1kg | 3.1kg | 3.1kg | 3.8kg |
| Gross weight | 4.3kg | 4.3kg | 4.3kg | 4.3kg | 4.3kg | 5kg |
| Recommend installation height | General 4-12m, based on actual project requirements | | | | | |
| Application field | Urban and rural street | | | | | |

Electrical Data

| Model | AOK-100WIL03 | AOK-120WIL03 | AOK-150WIL03 | AOK-180WIL03 | AOK-200WIL03 | AOK-230WIL03 |
|-----------------------|---|--------------|--------------|--------------|--------------|--------------|
| Power(W) | 100 | 120 | 150 | 180 | 200 | 230 |
| Input voltage | 100-277VAC | | | | | |
| THD | <20% | | | | | |
| PF | ≥0.98 | ≥0.98 | ≥0.98 | ≥0.98 | ≥0.98 | ≥0.98 |
| Driver | Meanwell / Sosen / Philips. Class 1/ Class 2, EU | | | | | |
| Operating temperature | -40°C to 50°C (-40 °F to 122 °F) | | | | | |
| Control Option | Surge Protective Device、Daylight Sensor Control、1-10V Dimming | | | | | |
| Surge Protection | 10kV / 20kV optional | | | | | |

Photometric Data

| Efficacy(LM/W) (CRI 70Ra, 5000K) | T2 | 135LM/W | 135LM/W | 135LM/W | 140LM/W | 135LM/W | 135LM/W |
|---------------------------------------|--|---------------|---------|---------|---------|---------|---------|
| | T3 | 135LM/W | 135LM/W | 135LM/W | 140LM/W | 135LM/W | 135LM/W |
| | T4 | 135LM/W | 135LM/W | 135LM/W | 140LM/W | 135LM/W | 135LM/W |
| | T5 | 135LM/W | 135LM/W | 135LM/W | 140LM/W | 135LM/W | 135LM/W |
| | Luminous flux (LM) (CRI 70Ra, 5000K) | T2 | 13500LM | 16200LM | 20250LM | 25200LM | 27000LM |
| T3 | 13500LM | 16200LM | 20250LM | 25200LM | 27000LM | 31050LM | |
| T4 | 13500LM | 16200LM | 20250LM | 25200LM | 27000LM | 31050LM | |
| T5 | 13500LM | 16200LM | 20250LM | 25200LM | 27000LM | 31050LM | |
| ULR | = 0%, @ Luminaire inclination 0° | | | | | | |
| CCT | 2700K, 3000K, 4000K, 5000K, 5700K, 6500K | | | | | | |
| CRI | 70Ra, 80Ra, 90Ra | | | | | | |
| Beam angle | T2/T3/T4/T5 | | | | | | |
| LED Manufacturer | LUMILEDS | | | | | | |
| LED model | Lumileds 3030 | | | | | | |
| Working current of single LED (mA) | T2 | 135mA | 115mA | 145mA | 120mA | 135mA | 150mA |
| | T3 | 135mA | 115mA | 145mA | 120mA | 135mA | 150mA |
| | T4 | 135mA | 115mA | 145mA | 120mA | 135mA | 150mA |
| | T5 | 135mA | 115mA | 145mA | 120mA | 135mA | 150mA |
| | Lens | Polycarbonate | | | | | |

Mechanical Data

| | | | | | | |
|-------------------------------|--|-------|---|-------|--|-------|
| IP/IK | IP66/IK09, according to standard EN 60529 and EN 62262 | | | | | |
| Vibration resistance | 3G, conform to standard IEC 68-2-6. | | | | | |
| SCx | Front: 1.32ft² (0.122632m²); Side: 0.34ft² (0.031587m²); | | Front: 1.77ft² (0.164438m²); Side: 0.37ft² (0.034374m²); | | Front: 2.23ft² (0.207173m²); Side: 0.4ft² (0.037161m²); | |
| Materials | Heavy-duty die-cast aluminum (EN AC-46100) | | | | | |
| Painting | Black, Silver, Custom request | | | | | |
| Surface treatment | Anti-UV thermosetting polyester / 80 micron epoxy primer + Anti-UV thermosetting polyester (for extremely corrosive environments). | | | | | |
| Cable | Pre-wired with a 30 cm cable (Other lengths on request) | | | | | |
| Mounting | Slide entry | | | | | |
| Others | | | | | | |
| Lifespan | L90B10 > 52000 hrs, @Ta 25°C | | | | | |
| Warranty | 5 years (Warranty extension up to 10 years on request) | | | | | |
| Product size | 21.7*8.43*5.35" / 551*214*136mm | | 24.45*10*5.35" / 621*254*136mm | | 26.42*11.65*5.35" / 671*296*136mm | |
| Carton size | 24.21*10.43*8.27" / 615*265*210mm | | 26.97*12*8.27" / 685*305*210mm | | 28.94*13.58*8.27" / 735*345*210mm | |
| Net weight | 3.8kg | 4kg | 4kg | 5.4kg | 5.4kg | 5.4kg |
| Gross weight | 5kg | 5.5kg | 5.5kg | 6.7kg | 6.7kg | 6.7kg |
| Recommend installation height | General 4-12m, based on actual project requirements | | | | | |
| Application field | Urban and rural street | | | | | |

IL03 Series Specification Sheet

*Due to the constant improvements in product development, individual parameters might change. Please refer to our sales or R&D team for most up-to-date content as specifications are subject to change without notice.

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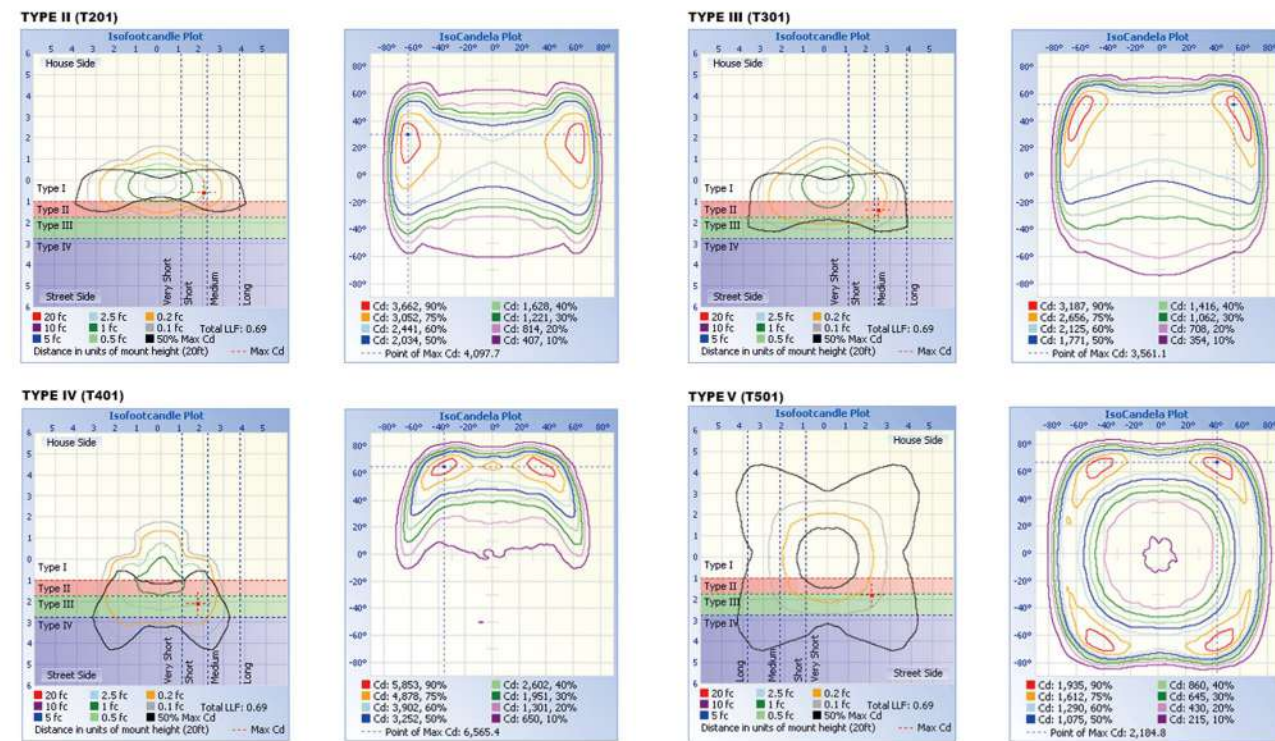
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Ordering Information

| AOK | | | | | | | | |
|----------|-------------|------------------|-------------------|------------------|--------------|---------------|----------------|----------|
| WATTS | VOLTAGE | LED CHIPS | TYPE OF SENSOR | CCT&CRI | DISTRIBUTION | MOUNT | HOUSING | OPTIONS |
| 20WiL03 | NV=100-277V | L3=LUMILEDS 3030 | 00=Without Sensor | 2770=2700K 70CRI | T2=Type II | A=Slide Entry | SG=Silver Gray | 10KV SPD |
| 30WiL03 | | | PH=PhotoCell | 3070=3000K 70CRI | T3=Type III | | BK=Black | 20KV SPD |
| 50WiL03 | | | DV=Dimmable | 4070=4000K 70CRI | T4=Type IV | | | |
| 60WiL03 | | | | 5070=5000K 70CRI | T5=Type V | | | |
| 70WiL03 | | | | 5770=5700K 70CRI | | | | |
| 80WiL03 | | | | 6570=6500K 70CRI | | | | |
| 100WiL03 | | | | 2780=2700K 80CRI | | | | |
| 120WiL03 | | | | 3080=3000K 80CRI | | | | |
| 150WiL03 | | | | 4080=4000K 80CRI | | | | |
| 180WiL03 | | | | 5080=5000K 80CRI | | | | |
| 200WiL03 | | | | 5780=5700K 80CRI | | | | |
| 230WiL03 | | | | 6580=6500K 80CRI | | | | |

Illuminance Diagram



Accessories



*As the products are upgraded, the accessories may differ from those described in the pictures. Please consult with our sales team for updated details and order separately.

Construction Features

Electrical

- Driver Efficiency: >86%~>93%; Maximum Current: AC0.22 A (max)~AC2.5 A (max)
- 1-10V/ PWM/ Timer dimming, 3 Timer Modes, Dim-to-Off with standby power $\leq 0.5W$.
- Constant current Class I driver, 100-277Vac, 50-60Hz, Class II optional.
- High efficiency driver: PF>0.95, driver efficiency >92%.
- Input Surge Protection: 6kV line-line, 10kV line-earth, 20KV SPD available.
- Operating temperature rating: -40° F to 122° F (-40° C to 50° C).
- Compatible with DALI, Zhaga / Nema standards, Presence detection sensor.

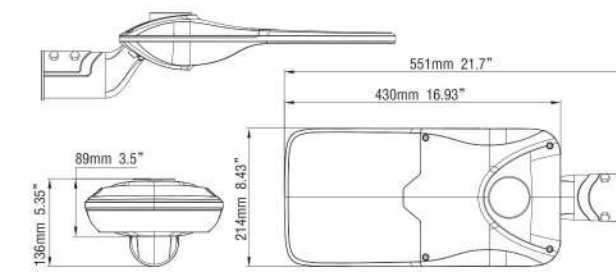
Construction

- Robust die-cast aluminum housing.
- UV stabilized polyester powder paint finish for durability and corrosion resistance.
- Slide entry installation.
- Uniform luminous flux and low glare design.
- IP66 & IK09.
- 3G vibration rating.

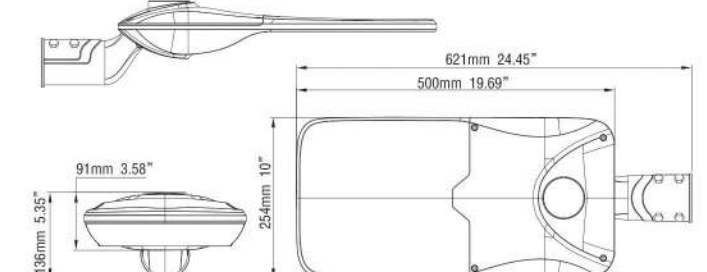
Dimension



20W-100W



120W-150W



180W-230W

