



CONCEPT LIGHTING
SDN BHD

OUTDOOR INTEGRATED SOLAR LED STREET LIGHTING

Smart & Innovative Solar LED Street Light





CONCEPT LIGHTING
SDN BHD



Integrated Solar LED Street Lighting

APS-KM-20W

Solar Panel

Type : Imported High Efficiency
Monocrystalline Silicon
Max Power : 18V 40W
Lifetime : 25 Years

Battery

Type : LiFePO4 Battery
Rating : 12.8V 20AH
Lifetime : 5 - 8 Years

LED Lamp

Max Power : 20W
LED Chip : SMD 3030
Chip Quantity : 96 PCS
LED Efficacy : 171 lm/W
Total Lumen : 2580 lm
Lifetime : 100,000 Hours
Viewing Angle : TYPE 2

Ingress Protection

IP Protection : IP66

Charge Time

By Sun : 4.5 Hours - 6 Hours

Discharge Time

≥ 3 Cloudy / Rainy Days

Working Temperature

Range : -25°C ~ +65°C

Colour Temperature

Range : 2700K - 6500K

Mounting Recommendation

Height : 6 - 7M
Distance : 20 - 24M

Casing Material

Aluminium Alloy

Motion Sensor Setting

15% Brightness on Standby,
100% Brightness on Induction,
Idle for 60 seconds, back to Standby Mode

Packing & Weight

Product Size : 830*330*145MM
Packing Size : 960*400*200MM
Net Weight : 12KG
Gross Weight : 13KG

* Size and weight may have a tolerance of +/-10%



CONCEPT LIGHTING
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Integrated Solar LED Street Lighting

APS-KM-40W

Solar Panel

Type : Imported High Efficiency Monocrystalline Silicon
Max Power : 18V 60W
Lifetime : 25 Years

Battery

Type : LiFePO4 Battery
Rating : 12.8V 24AH
Lifetime : 5 - 8 Years

LED Lamp

Max Power : 40W
LED Chip : SMD 3030
Chip Quantity : 144 PCS
LED Efficacy : 171 lm/W
Total Lumen : 3800 lm
Lifetime : 100,000 Hours
Viewing Angle : TYPE 2

Ingress Protection

IP Protection : IP66

Charge Time

By Sun : 4.5 Hours - 6 Hours

Discharge Time

≥ 3 Cloudy / Rainy Days

Working Temperature

Range : -25°C ~ +65°C

Colour Temperature

Range : 2700K - 6500K

Mounting Recommendation

Height : 7 - 8M
Distance : 23 - 27M

Casing Material

Aluminium Alloy

Motion Sensor Setting

15% Brightness on Standby,
100% Brightness on Induction,
Idle for 60 seconds, back to Standby Mode

Packing & Weight

Product Size : 1180*330*145MM
Packing Size : 1200*400*200MM
Net Weight : 19KG
Gross Weight : 21KG

* Size and weight may have a tolerance of +/-10%



CONCEPT LIGHTING
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Integrated Solar LED Street Lighting

APS-KM-60W

Solar Panel

Type : Imported High Efficiency
Monocrystalline Silicon
Max Power : 18V 90W
Lifetime : 25 Years

Battery

Type : LiFePO4 Battery
Rating : 12.8V 45AH
Lifetime : 5 - 8 Years

LED Lamp

Max Power : 60W
LED Chip : SMD 3030
Chip Quantity : 144 PCS
LED Efficacy : 166 lm/W
Total Lumen : 5220 lm
Lifetime : 100,000 Hours
Viewing Angle : TYPE 2

Ingress Protection

IP Protection : IP66

Charge Time

By Sun : 4.5 Hours - 6 Hours

Discharge Time

≥ 3 Cloudy / Rainy Days

Working Temperature

Range : -25°C ~ +65°C

Colour Temperature

Range : 2700K - 6500K

Mounting Recommendation

Height : 5 - 8M
Distance : 23 - 31M

Casing Material

Aluminium Alloy

Motion Sensor Setting

15% Brightness on Standby,
100% Brightness on Induction,
Idle for 60 seconds, back to Standby Mode

Packing & Weight

Product Size : 1180*458*145MM
Packing Size : 1200*540*200MM
Net Weight : 20KG
Gross Weight : 22KG

* Size and weight may have a tolerance of +/-10%



CONCEPT LIGHTING
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Integrated Solar LED Street Lighting

APS-KM-80W

Solar Panel

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 18V 100W
Lifetime	: 25 Years

Battery

Type	: LiFePO4 Battery
Rating	: 12.8V 45AH
Lifetime	: 5 - 8 Years

LED Lamp

Max Power	: 80W
LED Chip	: SMD 3030
Chip Quantity	: 160 PCS
LED Efficacy	: 162 lm/W
Total Lumen	: 8480 lm
Lifetime	: 100,000 Hours
Viewing Angle	: TYPE 2

Ingress Protection

IP Protection	: IP66
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Charge Time

By Sun	: 4.5 Hours - 6 Hours
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Discharge Time

≥ 3 Cloudy / Rainy Days

Working Temperature

Range	: -25°C ~ +65°C
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Colour Temperature

Range	: 2700K - 6500K
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Mounting Recommendation

Height	: 6 - 9M
Distance	: 23 - 34M

Casing Material

Aluminium Alloy

Motion Sensor Setting

15% Brightness on Standby,
100% Brightness on Induction,
Idle for 60 seconds, back to Standby Mode

Packing & Weight

Product Size	: 1530*360*60MM (Luminaire)
	: 585*125*320MM (Bracket)
Packing Size	: 1730*560*120MM (Luminaire)
	: 620*210*320MM (Bracket)
Net Weight	: 23KG (Luminaire)
	: 3.5KG (Bracket)
Gross Weight	: 24.5KG (Luminaire)
	: 4.5KG (Bracket)

* Size and weight may have a tolerance of +/-10%



CONCEPT LIGHTING
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Integrated Solar LED Street Lighting

APS-KM-100W

Solar Panel

Type : Imported High Efficiency Monocrystalline Silicon
Max Power : 18V 120W
Lifetime : 25 Years

Battery

Type : LiFePO4 Battery
Rating : 12.8V 55AH
Lifetime : 5 - 8 Years

LED Lamp

Max Power : 100W
LED Chip : SMD 3030
Chip Quantity : 160 PCS
LED Efficacy : 155 lm/W
Total Lumen : 9800 lm
Lifetime : 100,000 Hours
Viewing Angle : TYPE 2

Ingress Protection

IP Protection : IP66

Charge Time

By Sun : 4.5 Hours - 6 Hours

Discharge Time

≥ 3 Cloudy / Rainy Days

Working Temperature

Range : -25°C ~ +65°C

Colour Temperature

Range : 2700K - 6500K

Mounting Recommendation

Height : 7 - 10M
Distance : 25 - 30M

Casing Material

Aluminium Alloy

Motion Sensor Setting

15% Brightness on Standby,
100% Brightness on Induction,
Idle for 60 seconds, back to Standby Mode

Packing & Weight

Product Size : 1830*385*60MM (Luminaire)
: 585*125*320MM (Bracket)
Packing Size : 1910*470*120MM (Luminaire)
: 620*210*320MM (Bracket)
Net Weight : 25.5KG (Luminaire)
: 3.5KG (Bracket)
Gross Weight : 27KG (Luminaire)
: 4.5KG (Bracket)

* Size and weight may have a tolerance of +-10%



CONCEPT LIGHTING
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Integrated Solar LED Street Lighting

APS-KM-120W

Solar Panel

Type : Imported High Efficiency
Monocrystalline Silicon
Max Power : 18V 130W
Lifetime : 25 Years

Battery

Type : LiFePO4 Battery
Rating : 12.8V 65AH
Lifetime : 5 - 8 Years

LED Lamp

Max Power : 120W
LED Chip : SMD 3030
Chip Quantity : 160 PCS
LED Efficacy : 151 lm/W
Total Lumen : 10440 lm
Lifetime : 100,000 Hours
Viewing Angle : TYPE 2

Ingress Protection

IP Protection : IP66

Charge Time

By Sun : 4.5 Hours - 6 Hours

Discharge Time

≥ 3 Cloudy / Rainy Days

Working Temperature

Range : -25°C ~ +65°C

Colour Temperature

Range : 2700K - 6500K

Mounting Recommendation

Height : 7 - 12M
Distance : 27 - 41M

Casing Material

Aluminium Alloy

Motion Sensor Setting

15% Brightness on Standby,
100% Brightness on Induction,
Idle for 60 seconds, back to Standby Mode

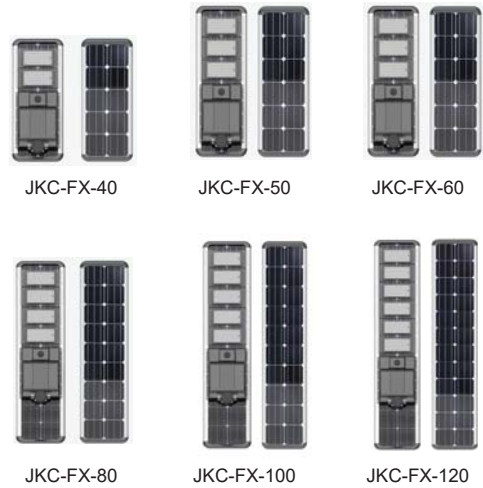
Packing & Weight

Product Size : 1830*388*60MM (Luminaire)
: 585*125*320MM (Bracket)
Packing Size : 1910*470*120MM (Luminaire)
: 620*210*320MM (Bracket)
Net Weight : 26.5KG (Luminaire)
: 3.5KG (Bracket)
Gross Weight : 28KG (Luminaire)
: 4.5KG (Bracket)

* Size and weight may have a tolerance of +-10%



CONCEPT LIGHTING
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Integrated Solar LED Street Lighting

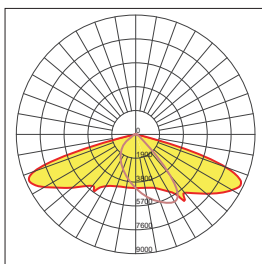
APS-FX

Luminaire Characteristic

- Casing Material : Aluminium Alloy
- Solar Panel : Imported High Efficiency Monocrystalline Silicon
- Battery : LiFePO4 Battery
- Light Distribution : Type II
- Ingress Protection : IP65 Optical Compartment
- Color Temperature : 2700 - 6500K
- Working Temperature : -25°C ~ +65°C
- Charging Time : 4.5 Hours - 6 Hours
- Discharge Time : Over 3 nights
- Mounting Recommendation : 4M - 12M
- Motion Sensor Setting : Night Sensor + Microwave Motion Sensor

Product Code	LED Power	LED (Bridgelux)	Efficacy	Lumen	Battery	Solar PV	Dimension (mm)
JKC-FX-40	40W	96PCS	170 lm/W	68,00lm	12.8V 28AH	18V 65W	848.6*385.5*265.9
JKC-FX-50	50W	144PCS	170 lm/W	85,00lm	12V 36AH	18V 70W	1077.8*385.5*265.9
JKC-FX-60	60W	144PCS	170 lm/W	102,00lm	12V 42AH	18V 80W	1077.8*385.5*265.9
JKC-FX-80	80W	192PCS	170 lm/W	136,00lm	12V 57AH	18V 100W	1548.68*385.5*265.9
JKC-FX-100	100W	240PCS	170 lm/W	170,00lm	12V 63AH	18V 130W	1863*385.5*265.9
JKC-FX-120	120W	288PCS	170 lm/W	204,00lm	12V 72AH	18V 140W	1863*385.5*265.9

Light Distribution Curve



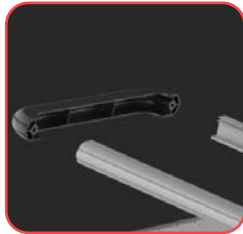
Add weight

* Size and weight may have a tolerance of +/-10%

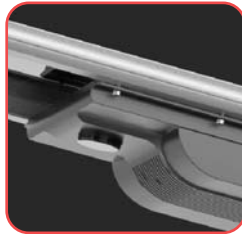


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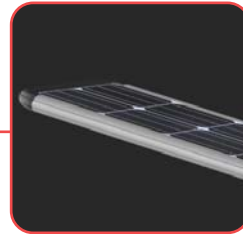
Features



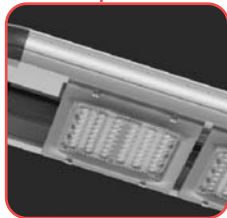
High strength aluminum alloy frame



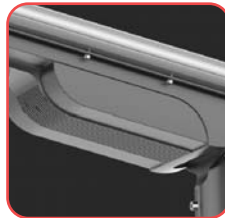
Sensor + Magnet switch + Indicators for all status



High efficiency monocrystalline solar cells: >21%



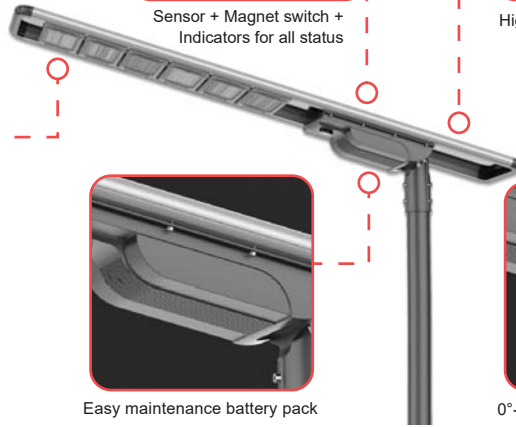
220 lm/W high efficiency led



Easy maintenance battery pack

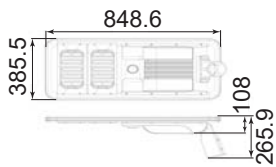


0°-90° angle adjustable bracket

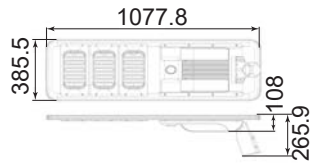


Product Size

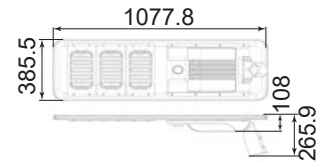
JKC-FX-40



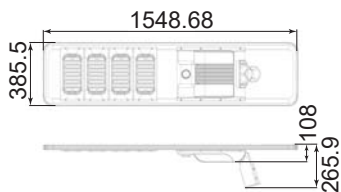
JKC-FX-50



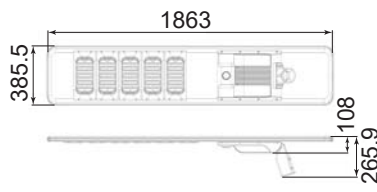
JKC-FX-60



JKC-FX-80



JKC-FX-100



JKC-FX-120

