SINOLTECH ENERGY LIMITED
SHANDONG SINOLTECH INTERNATIONAL CO., LTD

SINOLTECH

INTEGRITY . HIGH BRIGHTNESS . EASY-INSTALL

STANDARD ALL-IN-ONE SOLAR LIGHT SERIES
5 - Years Product Warranty

MODEL SELECTION:

- SNSTY-240
- SNSTY-250
- SNSTY-260
- SNSTY-270
- SNSTY-280

SINOLTECH SERVICE:

- OEM and ODM service
- Dialux report
- Instruction(or video) if you don't know how to install
- If not work, exchange spare part or new product, free of charge under warranty 5 years
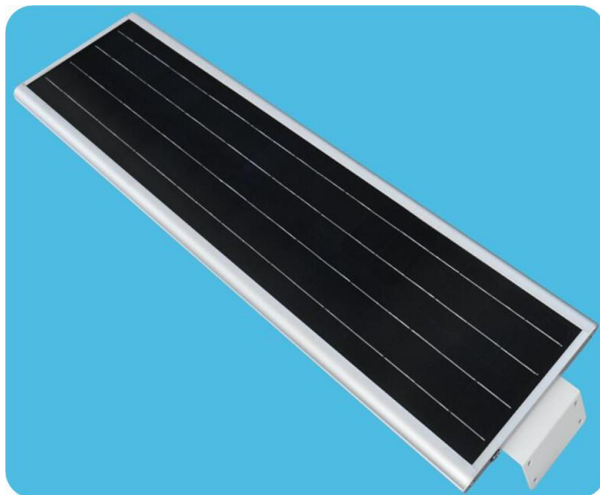- APP, cellular phone programming function available

SINOLTECH.apk

ALL IN ONE SOLAR STREET LIGHT
STANDARD MODELS: 40W, 50W, 60W, 70W, 80W

40W
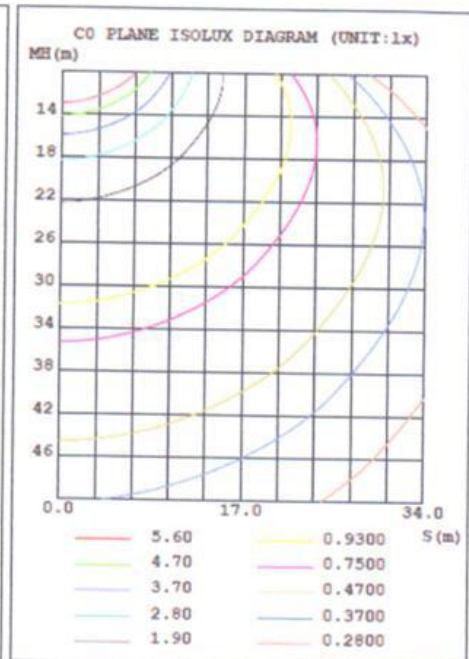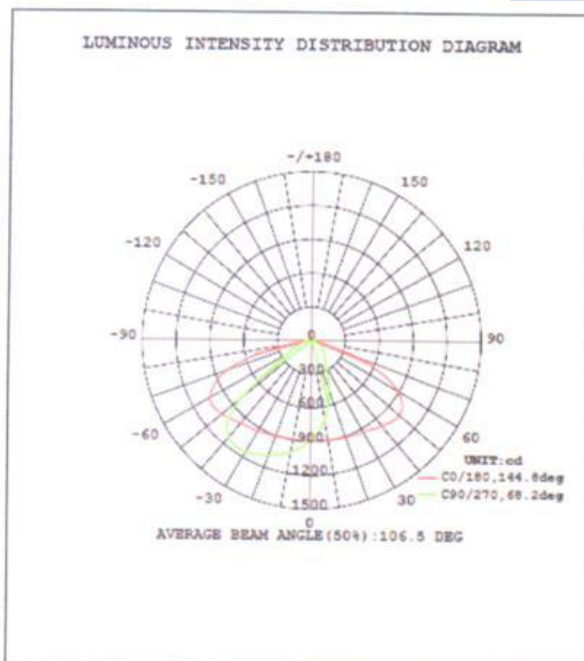
SNSTY-240 with APP

LED TECHNICAL DATA	
Item	**Description**
LED Rated Power(W)	40W
LED Brand	Bridgelux 45
LED NO.(pcs)	42
Lamp Lumens(LM)	4000~4300LM
Output Voltage	DC 12V
Input Voltage	DC 18V
Waterproof Degree	IP65
CRI	78
Suitable for pole diameter	60 ~ 110 mm
LED beads Irritation angle	120 degree
Illumination efficiency	>0.95
CCT	3000~6000
LED life time	50000 hrs
Working Temperature	-30°C~+60°C
Working Humidity	15~90%RH

SOLAR LIGHT TECHNICAL DATA	
Item	**Description**
Main Material	Aluminum Alloy+Solar PV
Solar Panel Power(W)	70W
Solar Cell Brand	Solarworld Germany
Battery Capacity	Lithium 36 AH
Lamp Lumens(LM)	4000~4300LM
Mounting Height	6-7.5 m
Mounting Distance	30~35m for one-way road, 60-70m for two-way road, intercross distance
Working Method	Timer control, Motion sensor, APP

Packing Detail:
Product size/Weight: 1210*340*45mm/16.0 KG
Pack size/Volume: 1320*400*200mm/0.10CBM
Gross Weight: 18KG

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

UNIT:cd
— C0/180,144.6deg
— C90/270,68.2deg

AVERAGE BEAM ANGLE(50%):106.5 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)
MH(m)

5.60	0.9300
4.70	0.7500
3.70	0.4700
2.80	0.3700
1.90	0.2800

TECHNICAL DATA SHEET

ALL IN ONE SOLAR STREET LIGHT
STANDARD MODELS: 40W, 50W, 60W, 70W, 80W
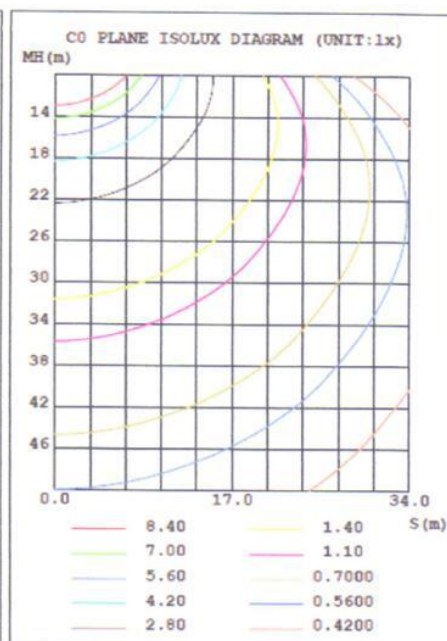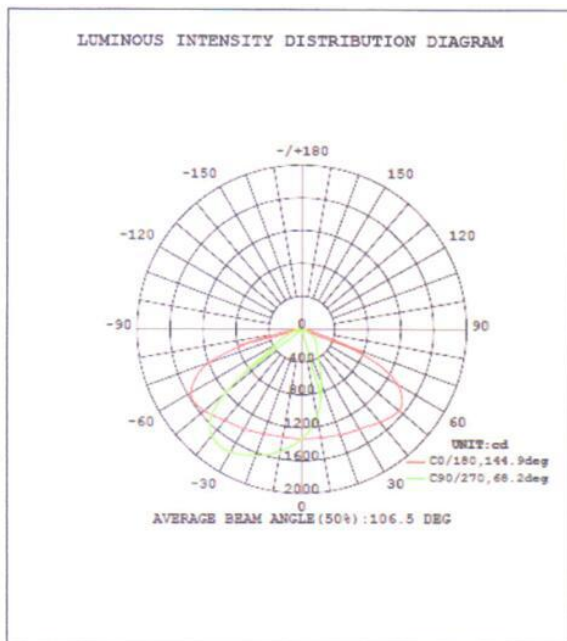### 50 W   SNSTY-250 with APP

LED TECHNICAL DATA

Item	Description
LED Rated Power(W)	50W
LED Brand	Bridgelux 45
LED NO.(pcs)	50
Lamp Lumens(LM)	5000~5500LM
Output Voltage	DC 12V
Input Voltage	DC 18V
Waterproof Degree	IP65
CRI	78
Suitable for pole diameter	60 ~ 110 mm
LED beads Irritation angle	120 degree
Illumination efficiency	>0.95
CCT	3000~6000
LED life time	50000 hrs
Working Temperature	-30°C~+60°C
Working Humidity	15~90%RH

SOLAR LIGHT TECHNICAL DATA

Item	Description
Main Material	Aluminum Alloy+Solar PV
Solar Panel Power(W)	85W
Solar Cell Brand	Solarworld Germany
Battery Capacity	Lithium 44 AH
Lamp Lumens(LM)	5000~5500LM
Mounting Height	7-8 m
Mounting Distance	30~35m for one-way road, 60-70m for two-way road, intercross distance
Working Method	Timer control, Motion sensor, APP

Packing Detail:

Product size/Weight: 1210*340*45mm/16.0 KG
Pack size/Volume: 1320*400*200mm/0.10 CBM

Gross Weight: 19KG

TECHNICAL DATA SHEET

ALL IN ONE SOLAR STREET LIGHT
STANDARD MODELS: 40W, 50W, 60W, 70W, 80W

60 W   **SNSTY-260 with APP**

LED TECHNICAL DATA

Item	Description
LED Rated Power(W)	60W
LED Brand	Bridgelux 45
LED NO.(pcs)	60
Lamp Lumens(LM)	6000~7000LM
Output Voltage	DC 12V
Input Voltage	DC 18V
Waterproof Degree	IP65
CRI	78
Suitable for pole diameter	60~110mm
LED beads Irritation angle	120 degree
Illumination efficiency	>0.95
CCT	3000~6000
LED life time	50000 hrs
Working Temperature	-30°C~+60°C
Working Humidity	15~90%RH

SOLAR LIGHT TECHNICAL DATA

Item	Description
Main Material	Aluminum Alloy+Solar PV
Solar Panel Power(W)	85W
Solar Cell Brand	Solarworld Germany
Battery Capacity	Lithium 44 AH
Lamp Lumens(LM)	6000~7000LM
Mounting Height	7-8 m
Mounting Distance	30-35m for one-way road, 60-70m for two-way road, intercross distance
Working Method	Timer control, Motion sensor, APP

Packing Detail:
Product size/Weight: 1200*340*45mm/18.0 KG
Pack size/Volume: 1345*400*200mm/0.11CBM
Gross Weight: 19KG

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

UNIT:cd
C0/180,152.6deg
C90/270,76.3deg

AVERAGE BEAM ANGLE(50%):114.5 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:1x)
MH(m)

14.0	2.40	
12.0	1.90	
9.40	1.20	
7.10	0.9400	
4.70	0.7100	

S(m)
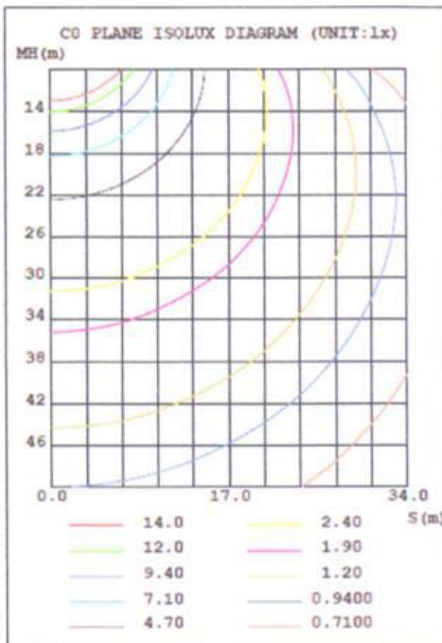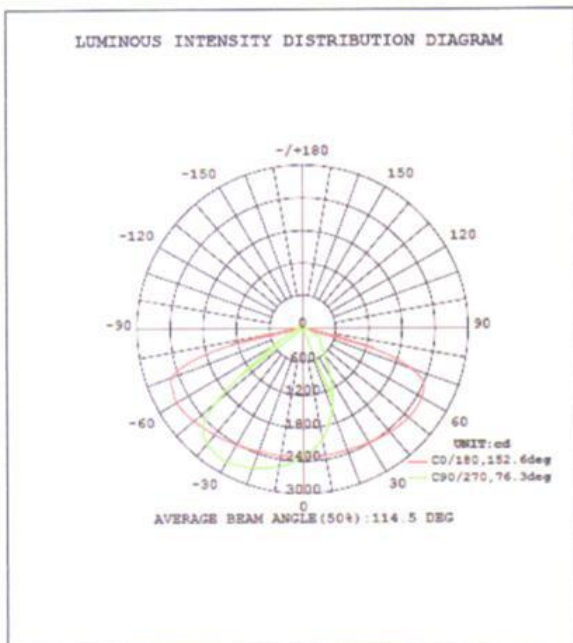
TECHNICAL DATA SHEET

ALL IN ONE SOLAR STREET LIGHT
STANDARD MODELS: 40W, 50W, 60W, 70W, 80W

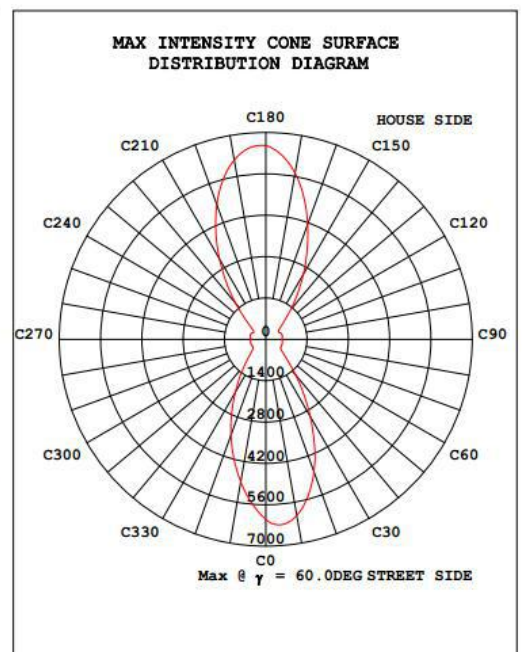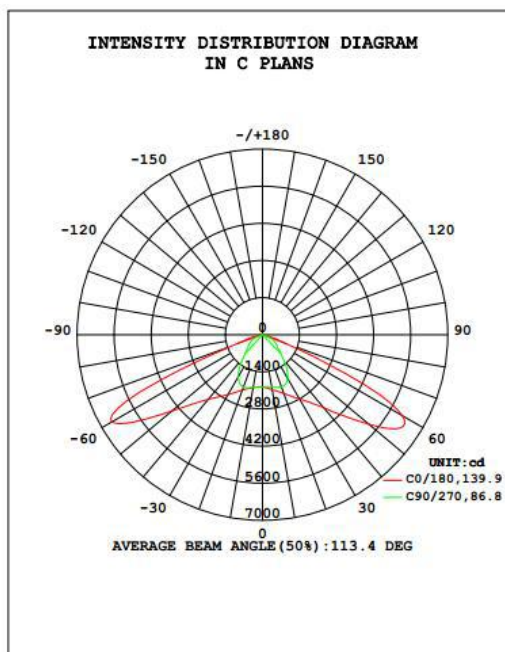**70W** **SNSTY-270 with APP**

LED TECHNICAL DATA

Item	Description
LED Rated Power(W)	70W
LED Brand	Bridgelux 45
LED NO.(pcs)	81
Lamp Lumens(LM)	7500~8000LM
Output Voltage	DC 12V
Input Voltage	DC 18V
Waterproof Degree	IP65
CRI	78
Suitable for pole diameter	60~110mm
LED beads Irritation angle	120 degree
Illumination efficiency	>0.95
CCT	3000~6000
LED life time	50000 hrs
Working Temperature	-30°C~+60°C
Working Humidity	15~90%RH

SOLAR LIGHT TECHNICAL DATA

Item	Description
Main Material	Aluminum Alloy+Solar PV
Solar Panel Power(W)	90 W
Solar Cell Brand	Solarworld Germany
Battery Capacity	Lithium 50 AH
Lamp Lumens(LM)	7500~8000LM
Mounting Height	7-9 m
Mounting Distance	35~40m for one-way road, 70-80m for two-way road, intercross distance
Working Method	Timer control, Motion sensor, APP

Packing Detail:
Product size/Weight: 1210*460*45mm/21.0 KG
Pack size/Volume: 1345*500*200mm/0.135CBM
Gross Weight: 23KG

INTENSITY DISTRIBUTION DIAGRAM IN C PLANS

UNIT:cd
C0/180,139.9
C90/270,86.8
AVERAGE BEAM ANGLE (50%):113.4 DEG

MAX INTENSITY CONE SURFACE DISTRIBUTION DIAGRAM

HOUSE SIDE
C0
Max @ γ = 60.0DEG STREET SIDE

TECHNICAL DATA SHEET

ALL IN ONE SOLAR STREET LIGHT
STANDARD MODELS: 40W, 50W, 60W, 70W, 80W

80W

SNSTY-280 with APP

Packing Detail:
Product size/Weight: 1210*460*45mm/22.0 KG
Pack size/Volume: 1345*500*200mm/0.135CBM
Gross Weight: 24KG

LED TECHNICAL DATA	
Item	Description
LED Rated Power(W)	80W
LED Brand	Bridgelux 45
LED NO.(pcs)	81
Lamp Lumens(LM)	8500~9000LM
Output Voltage	DC 12V
Input Voltage	DC 18V
Waterproof Degree	IP65
CRI	78
Suitable for pole diameter	60~110mm
LED beads Irritation angle	120 degree
Illumination efficiency	>0.95
CCT	3000~6000
LED life time	50000 hrs
Working Temperature	-30°C~+60°C
Working Humidity	15~90%RH

SOLAR LIGHT TECHNICAL DATA	
Item	Description
Main Material	Aluminum Alloy+Solar PV
Solar Panel Power(W)	100 W
Solar Cell Brand	Solarworld Germany
Battery Capacity	Lithium 60 AH
Lamp Lumens(LM)	8500~9000LM
Mounting Height	8-9 m
Mounting Distance	35~40m for one-way road, 70-80m for two-way road, intercross distance
Working Method	Timer control, Motion sensor, APP

TECHNICAL DATA SHEET

INTENSITY DISTRIBUTION DIAGRAM IN C PLANS

UNIT:cd
C0/180,139.9
C90/270,86.8

AVERAGE BEAM ANGLE(50%):113.4 DEG

MAX INTENSITY CONE SURFACE DISTRIBUTION DIAGRAM

HOUSE SIDE

Max @ γ = 60.0DEG STREET SIDE