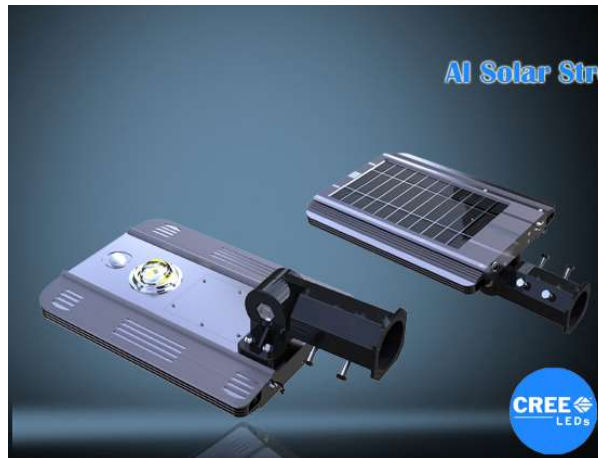
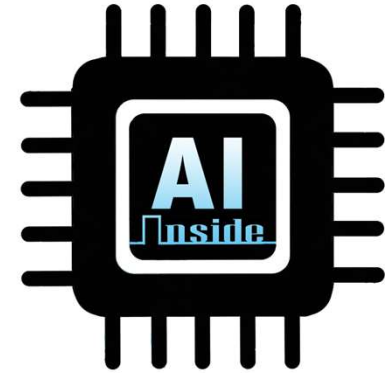


eLEDing®

Next Generation Solar Powered & Digital Sensing
LED smart illumination



10W-30W
AI Solar Street Light - COB



Created in USA

4TH Generation
Solar Hybrid



10W-30W
AI Solar Street Light - SMD



SYSTEMS GROUP, INC.

Office: 12346 Valley Blvd, Suite A, El Monte, CA 91732 USA

Tel: 1-877-579-3889

Email: info@eesgi.com

www.eleding.com



Version 1.0

Solar Powered Integrated AI-SMART Sensing CREE LED Area Light **EE810W-AI10**

10W/1600Lm



Technical Specifications	
Cree LED	10W 160LM/W >50000H
LED Module	1 COB or 30pcs SMD
LED Color	Daylight 5000K / Dark Sky City 3000K(Optional)
Battery Type	49WH , Li-ion (> 1500 daily cycle times)
Solar Panel	14W/15V mpp Monocrystalline silicon Tempered Glass (>25 years lifespan)
Charging method	Solar Powered or Aux power 15-24V DC/≤2A
Solar charging time	6-8 hrs by bright sunshine
Lighting time	5-7 nights after full charged
Sensor	ePIR Sensor + Light sensor
Lighting mode	AI-SMART or Fixed MODE
Material	Aluminum Alloy (Oxidation) + PC , Housing lifespan:>25years
Product Size	276*370mm, 11*14.5inch
IP level	65
Working Temperature	-25°C ~ 65°C
Warranty	2 years
Certificate	CE,ROHS ,FCC , ISO9001:2015
Pole diameter	≤60mm, 2.35inch
Installation height	3-4M, 10-15FT
Recommended distance in between	9-12M, 30-40FT
Package	Carton Size : 16.5*7*14inch N.G/G.W: 12/14LB

Solar Powered Integrated AI-SMART Sensing CREE LED Area Light **EE815W-AI15**

15W/2400Lm



Technical Specifications

Cree LED	15W 160LM/W >50000H
LED Module	2 COB or 60pcs SMD
LED Color	Daylight 5000K / Dark Sky City 3000K(Optional)
Battery Type	98WH , Li-ion (> 1500 daily cycle times)
Solar Panel	19W/15V mpp Monocrystalline silicon Tempered Glass (>25 years lifespan)
Charging method	Solar Powered or Aux power 15-24V DC/≤2A
Solar charging time	6-8 hrs by bright sunshine
Lighting time	5-7 nights after full charged
Sensor	ePIR Sensor+ Light sensor
Lighting mode	AI-SMART or Fixed MODE
Material	Aluminum Alloy (Oxidation) + PC , Housing lifespan:> 25years
Product Size	276*630mm, 11*25inch
IP level	65
Working Temperature	-25°C ~ 65°C
Warranty	2 years
Certificate	CE,ROHS ,FCC , ISO9001:2015
Pole diameter	≤60mm, 2.35inch
Installation height	3.5-4.5M, 12-16FT
Recommended distance in between	12-15M, 40-50FT
Package	Carton Size :28.5*7*14inch N.G/G.W: 19/20LB

Solar Powered Integrated AI-SMART Sensing CREE LED Area Light *EE820W-AI20*

20W/3200Lm

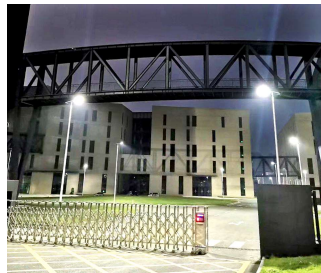
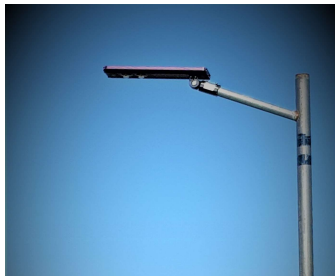


Technical Specifications

Cree LED	20W 160LM/W >50000H
LED Module	2 COB or 60 pcs SMD
LED Color	Daylight 5000K / Dark Sky City 3000K(Optional)
Battery Type	122WH, Li-ion (> 1500 daily cycle times)
Solar Panel	28W/15V mpp Monocrystalline silicon Tempered Glass (>25 years lifespan)
Charging method	Solar Powered or Aux power 15-24V DC/≤2A
Solar charging time	6-8 hrs by bright sunshine
Lighting time	5-7 nights after full charged
Sensor	ePIR Sensor+ Light sensor
Lighting mode	AI-SMART or Fixed MODE
Material	Aluminum Alloy (Oxidation) + PC , Housing lifespan:> 25years
Product Size	276*880mm, 11*34.5inch
IP level	65
Working Temperature	-25°C ~ 65°C
Warranty	2 years
Certificate	CE,ROHS ,FCC , ISO9001:2015
Pole diameter	≤60mm, 2.35inch
Installation height	4-5M, 13-18FT
Recommended distance in between	12-15m, 39-55FT
Package	Carton Size : 36.5*7*14inch N.G/G.W: 23/ 25LB

Solar Powered HRF-Sensor, RF-Control Ultra Brightness LED Area Light *EE830W-AI30*

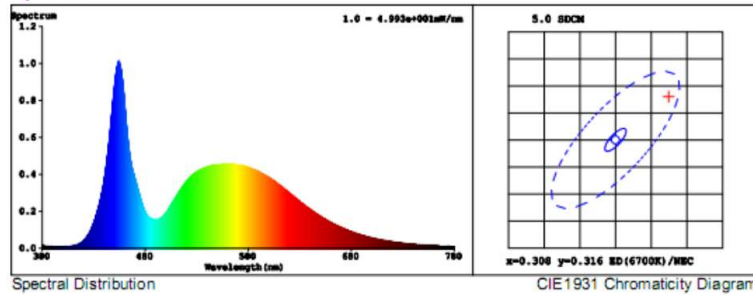
30W/4800Lm



Technical Specifications	
Cree LED	30W 160LM/W >50000H
LED Module	3COB or 90pcs SMD
LED Color	Daylight 5000K / Dark Sky City 3000K(Optional)
Battery Type	171WH, Li-ion (>1500 daily cycle times)
Solar Panel	40W/15V mpp Monocrystalline silicon Tempered Glass (>25 years lifespan)
Charging method	Solar Powered or Aux power 15-24V DC/≤2A
Solar charging time	6-8 hrs by bright sunshine
Lighting time	5-7 nights after full charged
Sensor	ePIR Sensor+ Light sensor
Lighting mode	AI-SMART or Fixed MODE
Material	Aluminum Alloy (Oxidation) + PC , Housing lifespan:>25years
Product Size	276*1272mm, 11*50inch
IP level	65
Working Temperature	-25℃ ~ 65℃
Warranty	2 years
Certificate	CE,ROHS ,FCC , ISO9001:2015
Pole diameter	≤60mm, 2.35inch
Installation height	4-5M, 13-20FT
Recommended distance in between	12-15m, 39-60FT
Package	Carton Size : 52*28.5*36.5inch N.G/G.W: 37.5/40LB

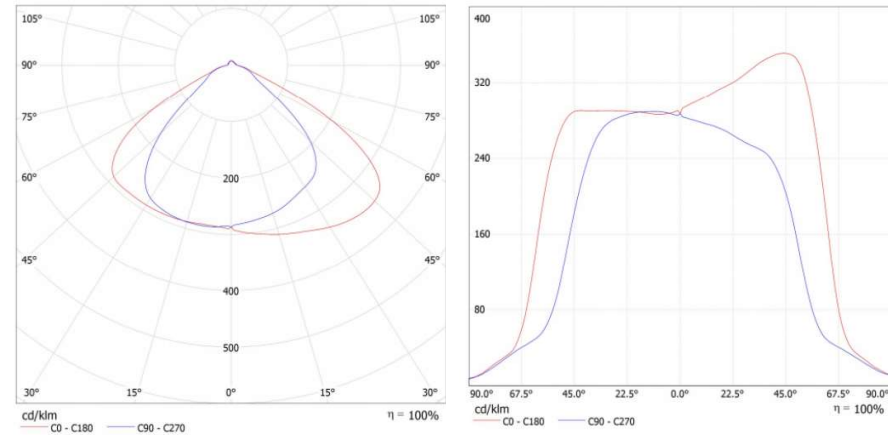
Distribution Curve & Spectrum (SMD)

Spectrum

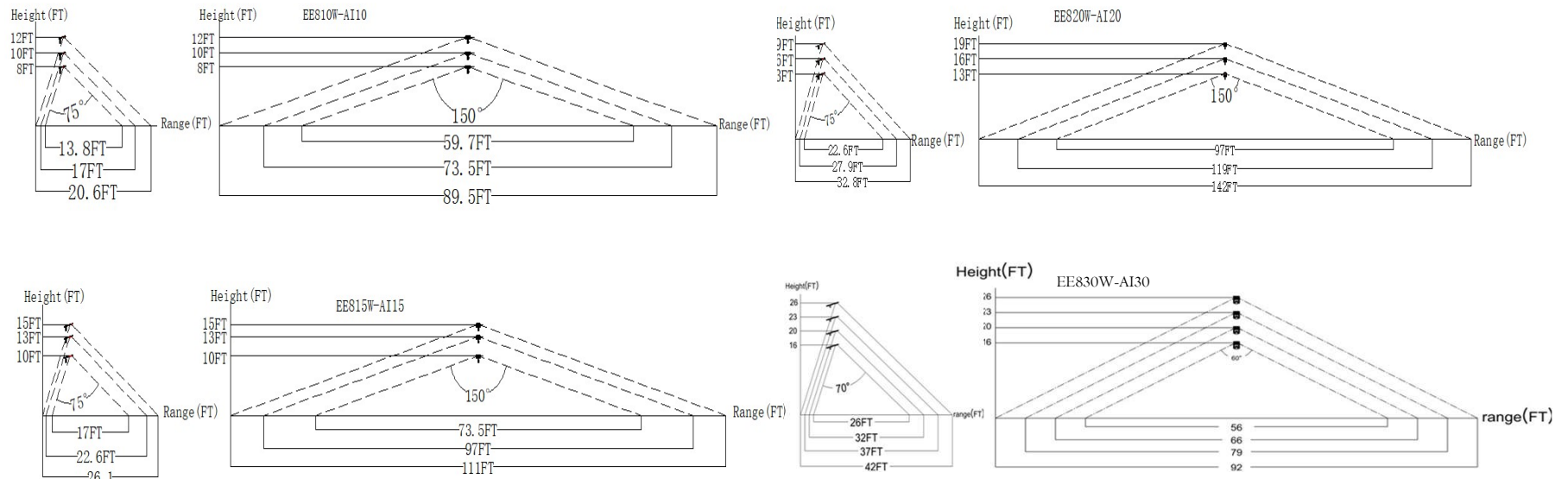


Colorimetric Parameters

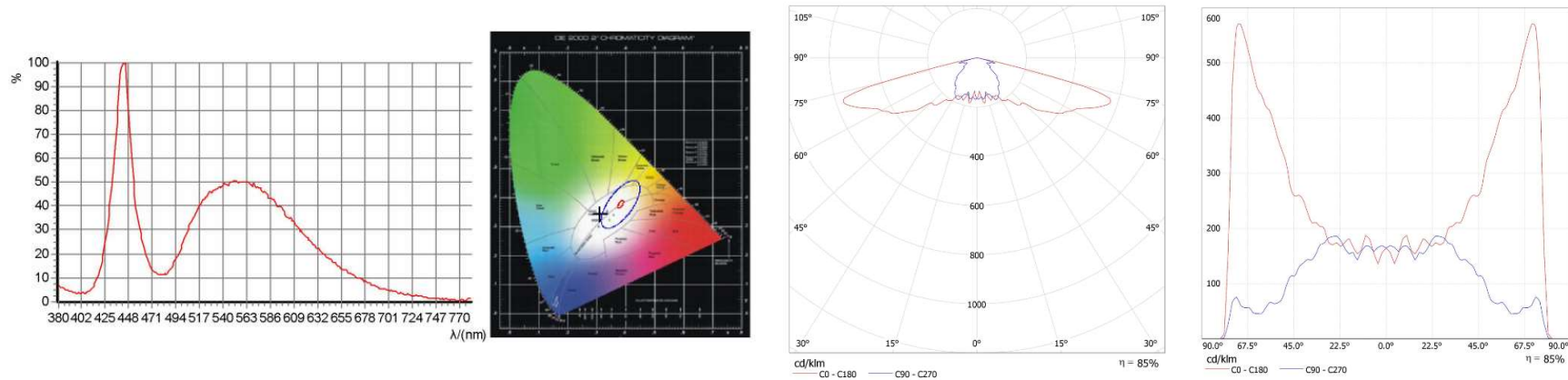
Chromaticity Coordinate: $x = 0.3154$ $y = 0.3240$ / $u' = 0.2016$ $v' = 0.4660$ ($duv = -7.85e-04$)
 CCT= 6390K Prcp WL: $\lambda_d = 484.7\text{nm}$ Purity=6.8%
 Peak WL: $\lambda_p = 454\text{nm}$ FWHM: $\approx 21.6\text{nm}$ Ratio: R=13.4% G=81.6% B=5.0%



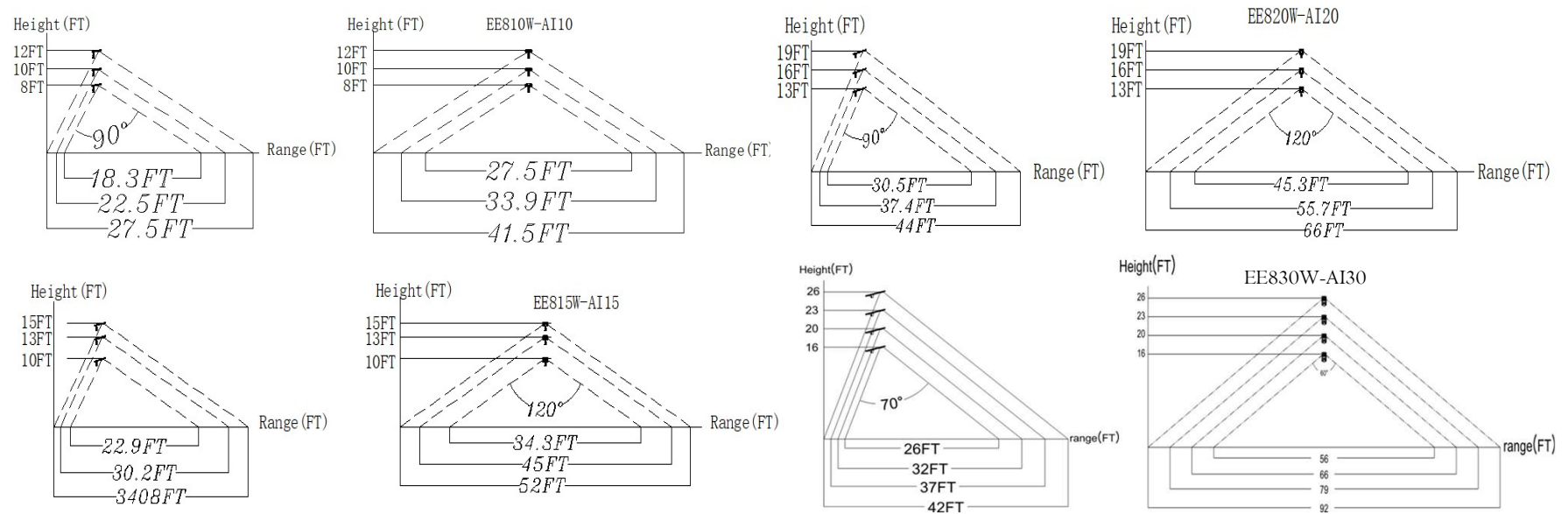
Mounting High vs Lighting Coverage vs Sensing Range



Distribution Curve & Spectrum (COB)



Mounting High vs Lighting Coverage vs Sensing Range



As AI SMART version, once initially power ON, it needs at least one day automatic self-calibration to be light up with maximum performance in most geographical environment