

# eLEDing®

Next Generation Solar Powered & Digital Sensing  
**LED** smart illumination



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**Solar Powered HRF-Sensor, RF-Control Ultra Brightness LED Area Light *EE840W-SHRC30***

**30W/4800Lm**



Technical Specifications	
CREE LED	(6000-6500K) 30W 160LM/W > 50000H
LED	24 pieces
Battery Type	<b>195WH</b> , Li-ion, 5000 hrs. normal operating cycles
Solar Panel	<b>40W</b> Monocrystalline silicon Laminated Plate, <b>19% (Taiwan Neo) &gt; 25years</b>
Charging method	Solar power-18Vmpp/ <b>AUX DC Input: 15-18VDC/-5A</b>
Solar charging time	6-8 hrs by bright sunshine
Lighting time	3-5 nights after full charged
Sensor	<b>HRF</b> Sensor + Photocell Sensor
Lighting mode	<b>32 Lighting mode</b> by remote control (MOD1+MOD2)
Material	Aluminum Alloy (Oxidation) + PC , Housing lifespan: > 25 years
Product Size	35 x 13 In (890x328mm)
IP level	65
Working Temperature	-13F ~ 149F (-25°C ~ 65°C)
Warranty	2 years
Patented and pending	US 8194061B2; ZL201801267853.2
Certificate	CE, ROHS, FCC, ISO9001:2015
<b>Pole diameter</b>	<b>≤ 2-1/2 In (60mm)</b>
Installation height	16-23 Ft (5-7M)
Suggest spacing in between	49-66 Ft (15-20M)
Package	CTN Size:39x16x8 Inches   G.W /N.W : 22 LB 20FT: 350pcs , 40GP: 725pcs , 40HQ: 850pcs

Solar Powered HRF-Sensor, RF-Control Ultra Brightness LED Area Light **EE850W-SHRC40**

**40W/6400Lm**



**Technical Specifications**

CREE LED	(6000-6500K) 40W 160LM/W > 50000H
LED	36 pieces
Battery Type	<b>261WH</b> , Li-ion, 5000 hrs. normal operating cycles
Solar Panel	<b>50W</b> Monocrystalline silicon Laminated Plate, <b>19%</b> (Taiwan Neo) <b>&gt; 25years</b>
Charging method	Solar power-18Vmpp/ <b>AUX DC Input: 15-18VDC/-5A</b>
Solar charging time	6-8 hrs by bright sunshine
Lighting time	3-5 nights after full charged
Sensor	<b>HRF</b> Sensor + Photocell Sensor
Lighting mode	<b>32 Lighting mode</b> by remote control (MOD1+MOD2)
Material	Aluminum Alloy (Oxidation) + PC , Housing lifespan: > 25 years
Product Size	41x13 In (1040x328mm)
IP level	65
Working Temperature	-13F ~ 149F (-25°C ~ 65°C)
Warranty	2 years
Patented and pending	US 8194061B2; ZL201801267853.2
Certificate	CE, ROHS, FCC, ISO9001:2015
<b>Pole diameter</b>	<b>≤ 2-3/4 In (70mm)</b>
Installation height	23-26 Ft (7-8M)
Suggest spacing in between	65-72 Ft (20-22M)
Package	CTN 1 Size:44*16*5 IN   CTN 2: 17*8*9 IN G.W /N.W : 20/21 LB   G.W /N.W : 4.8/5.5 LB 20FT: 350pcs , 40GP: 725pcs , 40HQ: 850pcs

Solar Powered HRF-Sensor, RF-Control Ultra Brightness LED Area Light **EE860W-SHRC50**

**50W/8000Lm**



Technical Specifications	
CREE LED	(6000-6500K) 50W 160LM/W > 50000H
LED	48 pieces
Battery Type	293WH, Li-ion, 5000 hrs. normal operating cycles
Solar Panel	60W Monocrystalline silicon Laminated Plate, <b>19% (Taiwan Neo) &gt; 25years</b>
Charging method	Solar power-18Vmpp/ <b>AUX DC Input: 15-18VDC/-5A</b>
Solar charging time	6-8 hrs by bright sunshine
Lighting time	3-5 nights after full charged
Sensor	<b>HRF</b> Sensor + Photocell Sensor
Lighting mode	<b>32 Lighting mode</b> by remote control (MOD1+MOD2)
Material	Aluminum Alloy (Oxidation) + PC, Housing lifespan: > 25years
Product Size	50x13 In (1270*328mm)
IP level	65
Working Temperature	-13F ~ 149F (-25°C ~ 65°C)
Warranty	2 years
Patented and pending	US 8194061B2; ZL201801267853.2
Certificate	CE, ROHS, FCC, ISO9001:2015
<b>Pole diameter</b>	<b>≤ 2-3/4 In (70mm)</b>
Installation height	23-26 Ft (7-8M)
Suggest spacing in between	65-72 Ft (20-22M)
Package	CTN 1 Size:54*16*5 IN   CTN 2: 17*8*9 IN G.W /N.W : 22/23 LB   G.W /N.W : 4.8/5.5 LB 20FT: 350pcs , 40GP: 725pcs , 40HQ: 850pcs

Solar Powered HRF-Sensor, RF-Control Ultra Brightness LED Area Light **EE870W-SHRC60**

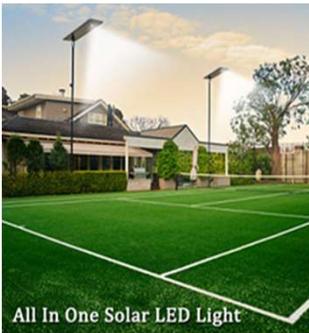
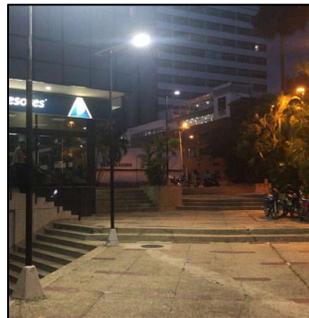
**60W/9600Lm**



Technical Specifications	
CREE LED	(6000-6500K) 60W 160LM/W > 50000H
LED	6 COB
Battery Type	325WH, Li-ion, 5000 hrs. normal operating cycles
Solar Panel	70W Monocrystalline silicon Laminated Plate, <b>19% (Taiwan Neo) &gt; 25years</b>
Charging method	Solar power-18Vmpp/ <b>AUX DC Input: 15-18VDC/-5A</b>
Solar charging time	6-8 hrs by bright sunshine
Lighting time	3-5 nights after full charged
Sensor	<b>HRF Sensor + Photocell Sensor</b>
Lighting mode	<b>32 Lighting mode</b> by remote control (MOD1+MOD2)
Material	Aluminum Alloy (Oxidation) + PC , Housing lifespan: > 25 years
Product Size	44x17 In (1115x438mm)
IP level	65
Working Temperature	-13F ~ 149F (-25°C ~ 65°C)
Warranty	2 years
Patented and pending	US 8194061B2; ZL201801267853.2
Certificate	CE, ROHS, FCC, ISO9001:2015
<b>Pole diameter</b>	<b>≤ 3-1/8 In (80mm)</b>
Installation height	26-30 Ft (8-9M)
Suggest spacing in between	66-92 Ft (20-28M)
Package	CTN 1 Size:62*16*5 IN   CTN 2: 17*8*9 IN G.W /N.W :31/32 LB   G.W /N.W : 4.8/5.5 LB 20FT: 280pcs , 40GP: 580pcs , 40HQ: 680pcs

Solar Powered HRF-Sensor, RF-Control Ultra Brightness LED Area Light **EE880W-SHRC80**

**80W/12800Lm**



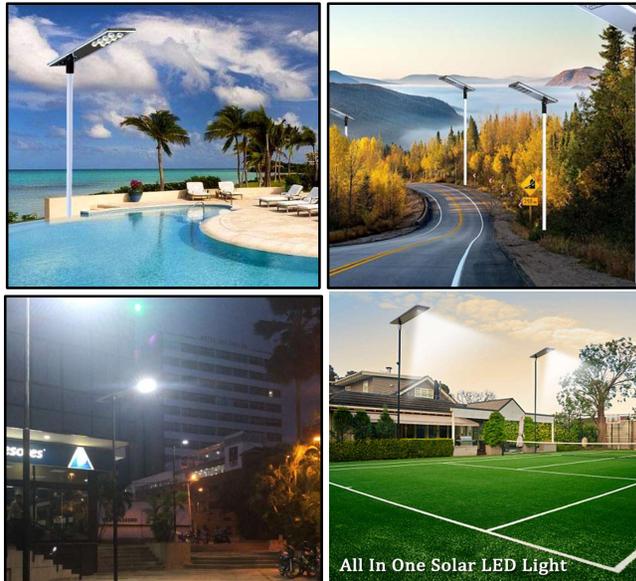
All In One Solar LED Light

**Technical Specifications**

CREE LED	(6000-6500K) 80W 160LM/W > 50000H
LED	8 COB
Battery Type	<b>391WH</b> , Li-ion, 5000 hrs. normal operating cycles
Solar Panel	<b>80W</b> Monocrystalline silicon Laminated Plate, <b>19%</b> (Taiwan Neo) > <b>25years</b>
Charging method	Solar power-18Vmpp/ <b>AUX DC Input: 15-18VDC/-5A</b>
Solar charging time	6-8 hrs by bright sunshine
Lighting time	3-5 nights after full charged
Sensor	<b>HRF</b> Sensor + Photocell Sensor
Lighting mode	<b>32 Lighting mode</b> by remote control (MOD1+MOD2)
Material	Aluminum Alloy (Oxidation) + PC , Housing lifespan: > 25 years
Product Size	49x17 In (1235x438mm)
IP level	65
Working Temperature	-13F ~ 149F (-25°C ~ 65°C)
Warranty	2 years
Patented and pending	US 8194061B2; ZL201801267853.2
Certificate	CE, ROHS, FCC, ISO9001:2015
<b>Pole diameter</b>	<b>≤ 3-1/8 In (80mm)</b>
Installation height	26-30 Ft (8-9M)
Suggest spacing in between	79-92 Ft (24-28M)
Package	CTN 1 Size:68*16*5 IN   CTN 2: 17*8*9 IN G.W /N.W :35/37 LB   G.W /N.W : 4.8/5.5 LB 20FT: 259pcs , 40GP:532pcs , 40HQ: 619pcs

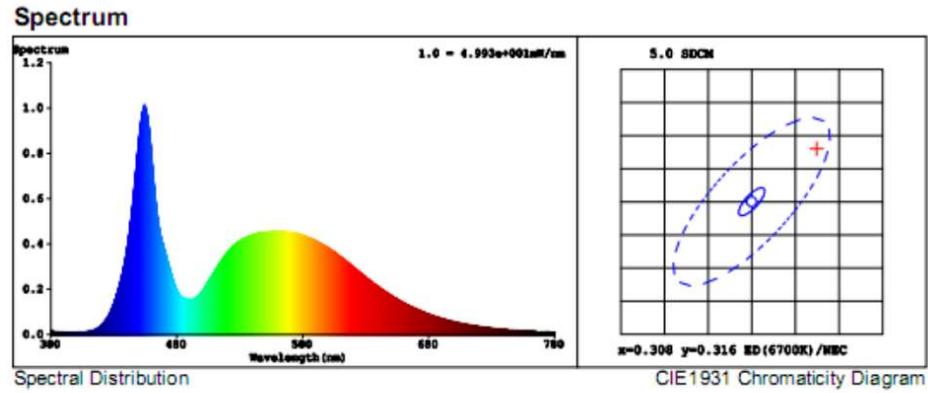
**Solar Powered HRF-Sensor, RF-Control Ultra Brightness LED Area Light *EE880W-SHRC100***

**100W/16000Lm**



<b>Technical Specifications</b>	
CREE LED	(6000-6500K) 100W 160LM/W > 50000H
LED	10 COB
Battery Type	<b>586WH</b> , Li-ion, 5000 hrs. normal operating cycles
Solar Panel	<b>80W</b> Monocrystalline silicon Laminated Plate, <b>19%</b> (Taiwan Neo) > <b>25years</b>
Charging method	Solar power-18Vmpp/ <b>AUX DC Input: 15-18VDC/-5A</b>
Solar charging time	6-8 hrs by bright sunshine
Lighting time	3-5 nights after full charged
Sensor	<b>HRF</b> Sensor + Photocell Sensor
Lighting mode	<b>32 Lighting mode</b> by remote control (MOD1+MOD2)
Material	Aluminum Alloy (Oxidation ) + PC , Housing lifespan: > 25years
Product Size	1640*328mm
IP level	65
Working Temperature	-13F ~ 149F (-25°C ~ 65°C)
Warranty	2 years
Patented and pending	US 8194061B2; ZL201801267853.2
Certificate	CE, ROHS, FCC, ISO9001:2015
<b>Pole diameter</b>	<b>≤ 3-1/8 In (80mm)</b>
Installation height	26-33 Ft (8-10M)
Suggest spacing in between	79-92 Ft (30-38m)
Package	CTN 1 Size:68*16*5 IN   CTN 2: 17*8*9 IN G.W /N.W :35/37 LB   G.W /N.W : 4.8/5.5 LB 20FT: 259pcs , 40GP:532pcs , 40HQ: 619pcs

# Distribution Curve & 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:  $L_d = 484.7$ nm    Purity=6.8%  
 Peak WL:  $L_p = 454$ nm    FWHM: =21.6nm    Ratio:R=13.4% G=81.6% B=5.0%

