

BX Series, The Outperformer

- High performance design with Bridgelux LED
- Luminous flux up to 14000lm (100W)
- Efficacy up to 140lm/w
- Superior uniformity
- Superior temperature stability
- Lifespan>50.000hours (Ta=30)
- Energy saving up to 90%
- 100% powered by solar energy
- built-in lithium battery & controller & sensor
- Operating temp: -20C° to 50C°
- Body: Die-casting aluminum alloy
- Stainless steel screws
- Easy installation

BX Series Product Range

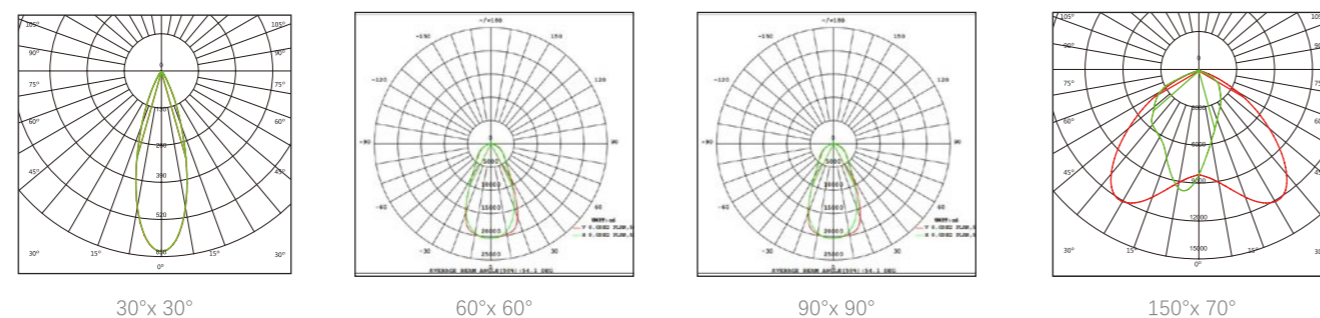
Model No.	BX-15W	BX-20W	BX-30W	BX-40W	BX-50W	BX-60W	BX-80W	BX-100W
Lumen Output	2000lm	2800lm	4200lm	5600lm	7000lm	8400lm	11200lm	14000lm
Wattage	15W	20W	30W	40W	50W	60W	80W	100W
LED Type & Qty	Bridgelux 5050 Led chip & 28pcs							
Luminous Efficacy	High effency 140lm/w for whole system							
CCT	5000K (3000K& 4000K available as an optional)							
CRI	>Ra70 (>Ra80 optional)							
Beam Angle	60°x 60° Degree (30°x30°, 90°x 90°, 150°x 70° Degree as an optional)							
IP Rating	IP65							
Lithium Battery type	Li(NicoMn) O2 (LiFePO4 Lithium battery as an optional)							
Battery Capacity	16AH 12V	18AH 12V	22AH 12V	28AH 12V	33AH 12V	22AH 24V	24AH 24V	28AH 24V
System Vovltage	12V	12V	12V	12V	12V	24V	24V	24V
Solar Controller	PMW	PMW	PMW	PMW	PMW	MPPT	MPPT	MPPT
Solar Panel Type	Monocrystalline silicon, high efficiency up to 19%							
Solar Panel Capacity	18V 50W	18V 60W	18V 80W	18V 80W	18V 100W	36V 120W	36V 160W	36V 200W
Installation Height	4-6M	5-6M	5-8M	6-8M	7-9M	8-9M	8-10M	9-12M

4 working modes

- ① 100% 6hrs+50% 6hrs
- ② 100% 3hrs +50% 4hrs +30% 5hrs (deafult lighting mode)
- ③ 100%-2hrs+70%-2hrs+50% 2hrs ; 50% when people come , 20% far away-6hrs
- ④ 100%-3hrs+when people come 80%, far away 40%-4hrs+when people come 50%, far away 20%-4hrs



Photometric Diagrams



BX Series

Solar LED Billboard Lighting & Flood Lighting



Detailed View

Compact system

- Led light, battery, solar controller, sensor built-inside of light with a separate solar panel. Easy for installation
- Die-cast aluminum lamp body with good heating dissipation performance

External Solar Panel

- Solar panel seperated from light allows solar panel capacity increase flexible

Intelligent control

- Daynight sensor
- Microwave sensor control
- Timing control & brightness control

Lithium battery pack

- Lifespan>1000cycle times
(lifespans>2000cycle times optional by using LiFePO4 Lithium battery)
- With Smart BMS protection

Strong and stable

- All the screws are 304 stainless steel
- With a ± 90 adjustable bracket can be setup for different application
It brings convenience to installation and reducing workload and saving time

Play and Plug Connection

- MC4 male & female plug directly to the solar panel. Quick and easy for connection. 2.5mm power cord for less Voltage drop

All In Two Design Solar Led Flood Light



Application lighting

