

CleanArcPower

FF SERIES

Solar LED Flood Lights for billboards, signs, monuments and general outdoor lighting

PRODUCT BROCHURE & SPECIFICATION



Email: sales@cleanarcpower.com
Web: www.cleanarcpower.com

High quality tempered glass mask

- Extremely durable
- Excellent light projection



Ultra-thick die-cast aluminum alloy enclosure

- Durable
- Anti-corrosive material

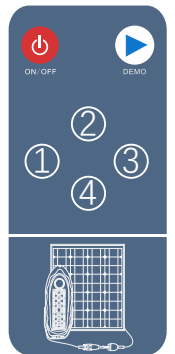


FF Series Product Range

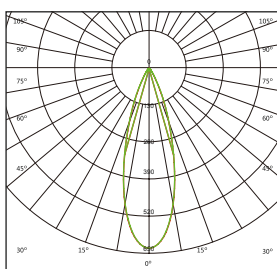
Model No.	FF-15	FF-20	FF-30	FF-40	FF-50	FF-60	FF-80	FF-100
Lumen Output	2000lm	2800lm	4200lm	5600lm	7000lm	8400lm	11200lm	14000lm
Wattage	15W	20W	30W	40W	50W	60W	80W	100W
LED Type & Qty	Bridgelux 5050 Led chip & 28pcs							
Luminous Efficacy	High efficiency 140lm/w for whole system							
CCT	5000K (3000K& 4000K available as an optional)							
CRI	>Ra70 (>Ra80 optional)							
Beam Angle	90°x 90° Degree (default) or 30°x30° or 60°x 60° or 150°x 70° Degree							
IP Rating	IP65							
LiFePO4 Battery type	LiFePO4 (lithium-iron ferrous phosphate)							
Battery Capacity	15AH 12.8V	18AH 12.8V	21AH 12.8V	27AH 12.8V	33AH 12.8V	21AH 25.6V	24AH 25.6V	27AH 25.6V
System Voltage	12.8V	12.8V	12.8V	12.8V	12.8V	25.6V	25.6V	25.6V
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	13'-19'	16'-19'	15'-26'	19'-26'	23'-29'	26'-29'	26'-30'	26'-33'

4 working modes

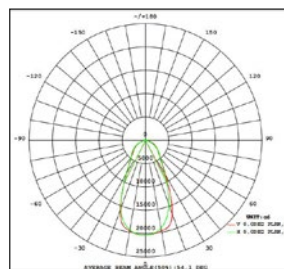
- ① 100% 6hrs+50% 6hrs
- ② 100% 3hrs +50% 4hrs +30% 5hrs (default lighting mode)
- ③ 100%-2hrs+70%-2hrs+50% 2hrs ; 50% when people come , 20% far away-6hrs
- ④ 100%-3hrs+when people come 80%, far away 40%-4hrs+when people come 50%, far away 20%-4hrs



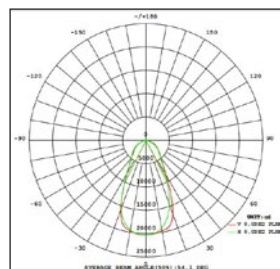
Photometric Diagrams



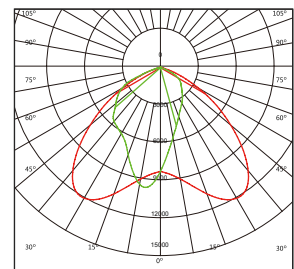
30°x 30°



60°x 60°



90°x 90°



150°x 70°



High reflection aluminum diffuser ensures the brightest light possible

High quality SMD LED
Bridgelux chip



Lithium iron phosphate
(LiFeP04) batteries

- ⌘ Longer life span (5-10 years)
- ⌘ Acid free
- ⌘ Environmentally friendly



Warranty

CleanArc Power guarantees the purchaser for a period of 5 years that our solar lighting products will be free from defects in materials. CleanArc Power will repair or replace any component which is defective for a period of 5 years after the date of purchase.

CleanArc Powers' liability on any claim shall not exceed the purchase price of the product. This warranty does not cover damage or malfunction, as determined by CleanArc Powers service technicians or engineers, due to abuse, misuse, incorrect installation, accident or Force Majeure.

The warranty for the battery component will be void if not installed within 6 months of delivery.