



eSHINE Park

Solar LED Park Lighting System
[Fixture Webpage](#)

AVAILABLE SPRING 2015

Introduction

The eSHINE Park is an all-in-one solar powered LED park lighting system. The fixture, panel, and electrical enclosure are integrated into the pole, allowing for rapid deployment and minimal assembly. The eSHINE Park is ideal for parks, parking lots, malls, gardens, golf courses, playgrounds, recreational facilities, resorts, and more.



Location

Choose the city that is closest in proximity to your location to determine your area's solar potential. This will populate the Ordering Information below.

Select State:

Select City:

Ordering Information

eSHINE Product	Location	Runtime	Lumens (1)	Distribution (2)	Finish	Height	Mounting
EPK = PARK	H = High L = Low	F = Full	697	S = Single D = Dual	GAL = Galvanized PW = White PBZ = Bronze PBL = Black	10 = 10 Foot 12 = 12 Foot 15 = 15 Foot 18 = 18 Foot 20 = 20 Foot	DB = Direct Burial AB = Anchor Base
		9-1	1013				
		9-2	1205				
		9-3	1563				
		9-4	2410				
		6-1	2410				
		6-2	3126				
		6-3					
		6-4					
		3-1					
		3-2					
		3-3					
		3-4					

IES File(s)*:

Example: EPK-H-9-1-570-S-PBL-10-DB

Notes

- Lumens can be reduced for any run-time profile.
- For "High" solar locations, Full Night and 9HR Runtime Profiles, Single or Dual Lumen profiles can be used.
- * For dual headed units, use provided single IES file back-to-back.

Ember LED reserves the right to make changes at any time in order to supply the best product possible.

Table A. eSHINE Series Operating Profile Options

Mode	Dusk	14 hours	Dawn	Total Run Time
Full	14 hours - 100% (All Night Operation)			14 hours
9-1	9 hours - 100%		5 hours - OFF	9 hours
9-2	6 hours - 100%	5 hours - OFF		9 hours
9-3	5 hours - 100%	9 hours - 50%		9 hours
9-4	4 hours - 100%	9 hours - 50%		9 hours
6-1	6 hours - 100%	8 hours - OFF		6 hours
6-2	4 hours - 100%	8 hours - OFF		6 hours
6-3	4 hours - 100%	10 hours - 20%		6 hours
6-4	3 hours - 100%	10 hours - 20%		6 hours
3-1	3 hours - 100%	11 hours - OFF		3 hours
3-2	2 hours - 100%	11 hours - OFF		3 hours
3-3	2 hours - 100%	12 hours - 10%		3 hours
3-4	1 hour - 100%	12 hours - 10%		3 hours



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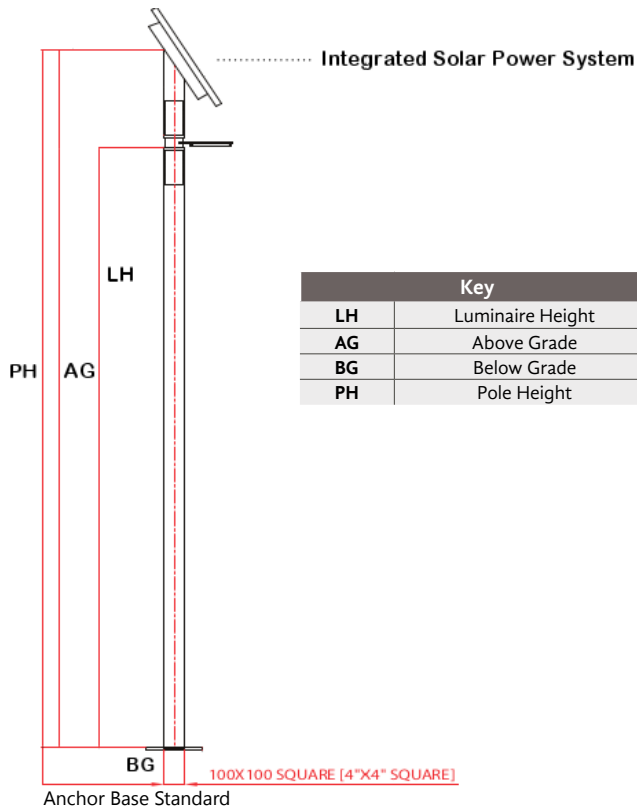
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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-80. Data is considered to be representative of the configurations shown, with the tolerances allowed by Lighting Facts. Actual performance may vary as a result of end-user environment and application.

Model No.	System Watts	Single/Dual Luminaire	Run Time	Maximum Lumens	B	U	G
ePK-H/L-F-[Lumens]-S	7	Single	Full Night	697	1	0	0
ePK-H/L-9X-[Lumens]-S	10	Single	9HR Profile	1013	1	0	0
ePK-H/L-6X-[Lumens]-S/D	14	Single or Dual	6HR Profile	1205	1	0	0
ePK-H/L-3X-[Lumens]-S/D	22	Single or Dual	3HR Profile	1563	1	0	0
ePK-H-6X-HL-D	28	Dual	6HR Profile	2410	1	0	0
ePK-H-3X-HL-D	44	Dual	3HR Profile	3126	1	0	0



Key	
LH	Luminaire Height
AG	Above Grade
BG	Below Grade
PH	Pole Height

Dimensions

	EPK 10	EPK 12	EPK 15	EPK 18	EPK 20
LH	10	12	15	18	20
AG	11.5	13.5	16.5	19.5	21.5
BG*	3.5	4	4.5	5.5	6
PH	15	17.5	21	25	27.5

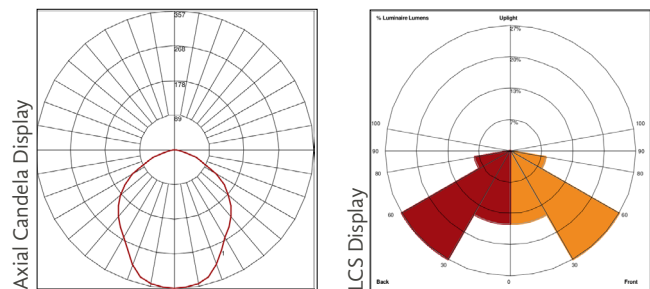
*Direct Burial Option Below Grade Length

Temperature Multipliers

Ambient Temperature		Lumen Multipliers
0°C	32°F	1.05
10°C	50°F	1.03
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.97

Photometric Diagrams

Download complete isometric reports and .ies files [here](#).



Features & Characteristics

APPLICATIONS The eSHINE Park is ideal for parks, parking lots, malls, gardens, resorts, golf courses, and playgrounds.

CONSTRUCTION Die-cast aluminum shelter lighting system. The advanced mid-section allows for passive cooling of the solar panels ensuring thermal management control with reliable operation at 45-50°C ambient conditions. Advanced vandal-proof tempered glass offers advanced protection of the LED lights from instruments such as lighters and baseball bats.

OPTICS Light pattern is symmetrical. Single or dual heads are available.

LEDS Cree LED type XPL.

ELECTRICAL Valen Light Unique Solar LED Drive Engine offers up to 95% efficiency with a power factor of 0.99. Optional dimming and occupation sensor functions maximize energy efficiency and user control.

MOUNTING eSHINE 4.5" x 4.5" galvanized steel solar pole can be direct buried or anchor based.

FINISH Standard black powder coat or RAL colors available.

WARRANTY 5 year limited warranty on system and driver. 10 year warranty on solar pole. 25 year limited warranty on solar panel output, with 5 year warranty on workmanship.

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