

HIGHLIGHT SP-HL-ESL

Specifications



Whyus?

Innovative Technology

High-efficiency solar and advanced LEDs deliver superior performance, long life, and maximum ROI.

Photometric

We conduct photometric measurements on all our products to ensure optimal performance and compliance with industry standards

Versatile Lightning

We designs and install solar-powered lightning systems tailored for all kind of locations such as streets, parks, pathways, homes, etc.

Global Reach

Worldwide success proves our adaptability and regulatory expertise.

Sustainable Savings

These solutions enhance safety, promote sustainability and providing significant energy and cost saving.

Warranty

SolarPath is dedicated to delivering architectural and commercial-grade solar lighting that can be customized to meet specific client requests, both in technical specifications and aesthetic design, ensuring a perfect fit for a diverse range of needs.



HIGHLIGHT HL-ESL™

LED SOLAR FLOOD LIGHT

200W

FEATURES

- The risk of accidents are minimized for the city power free.
- Off-grid roadway lighting made electric bill free.
- Environment friendly - 100% powered by the sun, solar panels reduce fossil fuel consumption, eliminating pollution.
- IP 66 Luminaire ensures long lasting and consistent high performance.
- Self-contained solution - Light on/off controlled by automatic daylight sensing.
- Easy to install and maintain
- Five Years Warranty

TYPICAL APPLICATIONS

Tennis court lighting

SPECIFICATIONS

PERFORMANCE

LED Chip	Lumileds 5050 LED chip
Color Temperature	5000K (2500-6500K Optional)
CRI	≥70
Lumen Maintenance	L70>150,000 Hours (Calculated Using Tm-21 Calculator)
Beam Angle	30x120°
Battery	LiFePO4 battery
Solar Panel	Monocrystalline silicon photovoltaic
Controller	MPPT
Work Time	6 hours/day
Charing Time	6 hours
IP Rating	IP66
IK Rating	IK10
Surface Treatment	Corrosive resistant polyester powder coat finish
Lens Material	PC 3000U

ENVIRONMENTAL

Operating Temperature	-30 to 50°C (-40 to 122°F)
Storing Temperature	-30 to 80°C (-40 to 176°F)
Humidity	15% to 95% RH

PHYSICAL

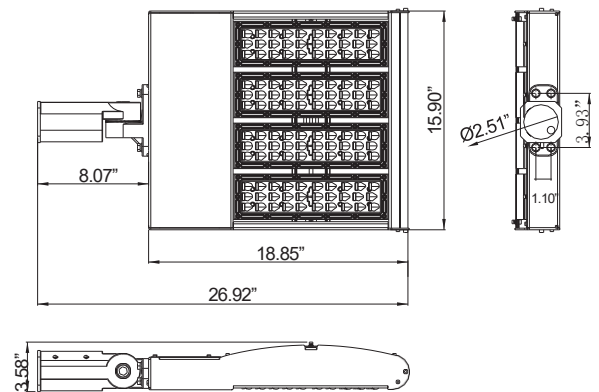
Fixture Material	Aluminum alloy
Mount Kits Option	Slip fitter

WARRANTY

5 Years

■ Specifications

Model	Power	Solar Panel	Battery	Efficacy(IES)	Lumens	Product Dimensions
HL-ESL	200W	36V/240W	25.6V/54AH	165LPW	33,000lm	Fixture: 26.9"x15.9"x3.5" Solar Panel and battery :49.2"x42.5"x8.2"



Specifications for Tennis Court Lighting

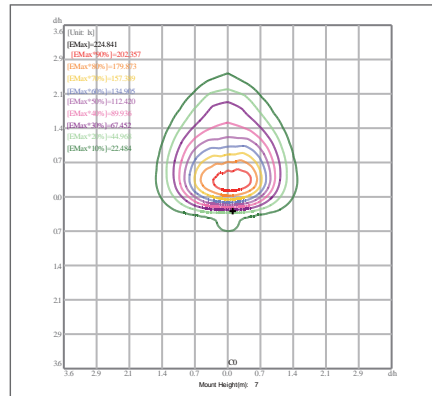
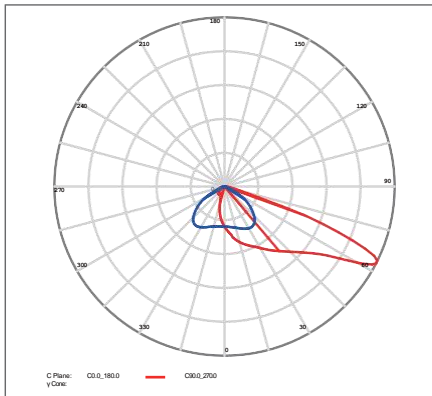
	Horizontal Illuminance	Uniformity of Illuminance	GR	Color Temperature	Color Rendering
	E_h average (lux)	E_{min}/E_h ave	GR	(K)	Ra
Competition	500 ~ 750	>0.7	<30	>4000	>80
Club	300 ~ 500	>0.7	<30	>4000	>70
Recreational	150 ~ 300	>0.6	<50	>2000	>20

Competition Level	600W Solarpath Inc. LED Tennis Court Light
Club Level	400W Solarpath Inc. LED Tennis Court Light
Recreational Level	200W Solarpath Inc. LED Tennis Court Light



■ Photometrics

30×120° (TYPEIV-VS)

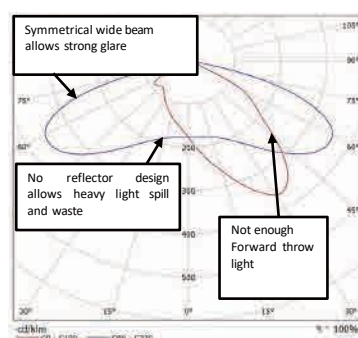
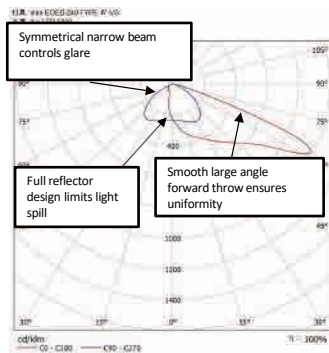


■ Glare Control & Light Uniformity Comparison

Glare free lens design ensures player's safety and comfortableness.

Photometrics of Solarpath Tennis Court Light

Photometrics of Regular LED Tennis Court Light



Specific photometric increases the uniformity of light, while reducing the light spill outside the court.



Light-up Effect of
Solarpath Tennis
Court Light

Light-up Effect of
Traditional Light

ORDERING GUIDE

Ordering Guide: EXAMPLE: HIGHLIGHT HL-ESL-A-240W-200W-4-25K-A-54AH-GR-1-IK10

Model	Solar Panel Qty.	Solar Panel	LED Power	Distribution type	LED Color Temp	Battery Qty.	Battery Options	Body color	Arm	Options
HIGHLIGHT HL-ESL	A - 1 Panel B - 2 Panels	240W	200W	4 - Type IV	25K 30K 40K 50K 65K	A - 1 pc B - 2 pcs	54AH	GR- Grey	1 - Single 2 - Double	IK - 10

Legal Clarification: All technical information and/or products listings and/or technical support, and/or any kind of graphics, illustrations and/or instructions and/or the names, trade names, trademarks, trade symbols, service marks, logos, icons and trade dress of SolarPath Inc or in connection to SolarPath Inc or any of its selling products, contained herein is in the exclusive ownership of SolarPath Inc and may not be alternated and/or used in any manner including but not limited to copy of some or all of the said material by users and/or viewers or any third party for that matter of this document and the website to which it is linked without the express prior written permission of SolarPath Inc. Furthermore, redistribution or any kind of commercial use or alternation or any kind of use other then downloading presented information in some or all contents of downloadable documents, and/or downloadable contents, is strictly prohibited without express written prior permission. All information set out herein is subject to changes as may occur from time to time. SolarPath Inc is not responsible for, and cannot guarantee and shall not be held liable for any information or the accuracy of such in websites that it does not manage



Contact us



+1.201.490.4499

Toll free: 1.888.333.SOLAR (7652)



contact@solarpathusa.com



www.solarpathusa.com