

APRIL

OUTDOOR PRODUCTS SOLAR POWERED BOLLARD

April is a solar powered led bollard with High efficiency Mono-crystalline solar panel and off grid connectivity. This bollard Light presents a contemporary, architectural day form providing superior uniform illumination designed to enhance urban spaces with beautiful visual appearance. It comes in one size 36" and one distribution T5W. It has PWM controller to last longer.



eralux®



DATE	
PROJECT NAME	
TYPE	
QTY	
ORDERING CODE	AE-OD-AP -3W -36 - -80 -T5W -BK

OPERATING & ELECTRICAL

BATTERY	LiFePO4 battery
BATTERY CAPACITY	38.4Wh
TOTAL HARMONIC DISTORTION (THD)	<20%

PERFORMANCE

LEMENS PER WATT	130 LPW at 80CRI
POWER CONSUMPTION	3W
DISTRIBUTION	Type V
CHARGING TIME	8 hours
OPERATING TIME	11 hours Normal mode 2-3 days intelligent mode

MECHANICAL & HOUSING

SIZE	36" height
HOUSING	Corrosion-resistant aluminum-cast housing
LENS	Polycarbonate optical lens
SOLAR PANEL	Mono-Crystalline solar panel 5W
BATTERY	LiFePo4 battery
FINISH	powder coat black finish

APPLICATION CONDITION

AMBIENT TEMPERATURE RANGE	0 °C to 50°C
PROTECTION	IP66 rated IK07 rated C3 Corrosion Category Surge Protector 20KV

COMPATIBLE MOUNTING

MOUNTING	Mounting kit with anchor bolts
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WARRANTY

SYSTEM WARRANTY	3 years for Battery 5 years for other accessories
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Eralux will warrant defective drivers, LEDs and boards for 5 years from the date of purchase. This warranty is valid only if the fixture is installed and used as per installation guides and specifications. If a defect is present, Eralux will send drivers and boards at no fee with a thorough replacement instructions along with instructions on the return of the defective parts back to Eralux.

LUMEN MAINTENANCE	L70 at 271,000 hours L80 at 169,000 hours L90 at 80,000 hours
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Rated for 70% initial lumen output at 271,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES)

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ORDERING GUIDE

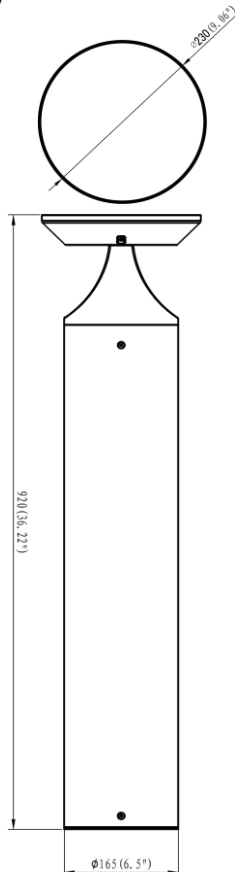
EXAMPLE: AE-OD-AP-3W-20-40-80-T5W-BK

FIXTURE FAMILY	POWER	HEIGHT	CCT	CRI	DISTRIBUTION	FINISH
AE-OD-AP	-3W	-36	-	-80	-T5W	-BK
AE-OD-AP Outdoor products April Solar Bollard Fixture	-3W 3-watt power	-36 36 inches height	-30 3000K CCT	-80 80 CRI	-T5W T5 wide distribution 105 LPW: 340 lms	-BK Powder coat black RAL 9017
			-40 4000K CCT			
			-50 5000K CCT			

PRODUCT DIMENSIONS (in inches)

AE-OD-AP-3W-36-XX-80-T5W-BK

Weight: head 3.46kg, body 4.9kg



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WORKING MODE

Each bollard will be energized by the liFePo4 battery stored at the Mono-crystalline silicon solar panel that gets the energy from sun light, thus no need for wiring or any electrical installation.

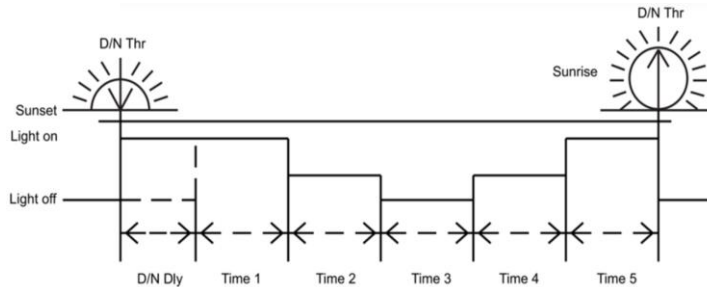
This cheap and reliable energy will help reducing carbon emissions comparing to traditional light.

Avoid being shaded by trees and buildings.



It is available with automatic activation (PWM controller) to save energy and last longer. The operating hours can be divided into five-stage intelligent mode from dusk till dawn, also the light intensity can be controlled. The operating profile can be modified using remote control which is sold separately. With this control it can operate continuously for 3-4 days with 8 hours of charging time.

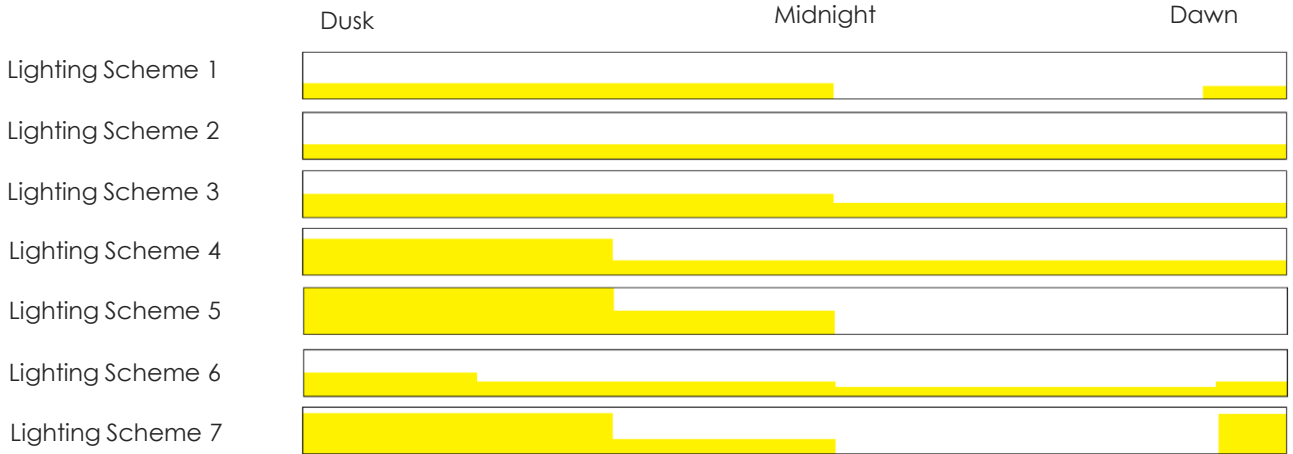
five-stage intelligent mode



Lighting Scheme	Time 1	Time 2	Time 3	Time 4	Time 5	Energy consumption	Working hours in rainy days
1	6 hours 30%	0 hours	0 hours	TOT 0%	1 hour 30%	7.4WH	4-5 days
2	6 hours 30%	6 hours 30%	0 hours	0 hours	0 hours	12.6WH	3-4 days
3	6 hours 50%	6 hours 30%	0 hours	0 hours	0 hours	16.8WH	2-3 days
4	4 hours 70%	4 hours 30%	4 hours 30%	0 hours	0 hours	18.2WH	1-2 days
5	4 hours 100%	2 hours 50%	0 hours	0 hours	0 hours	17.5WH	2-3 days
6	2 hours 50%	4 hours 30%	0 hours	TOT 20%	1 hour 30%	12.3WH	3-4 days
7	4 hours 80%	2 hours 30%	0 hours	TOT 0%	1 hour 80%	16.1WH	2-3 days

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WORKING MODE






Set the modes time from 1-5 using the remote control.

One of the benefits of this bollard is that you can set up a custom intelligent mode to fit your specific needs.

Be notified that the battery capacity is 38.4Wh and battery charging capacity is 24Wh /Day, we recommend that the battery energy consumption should be less than or equal to 20Wh /Day

ACCESSORIES

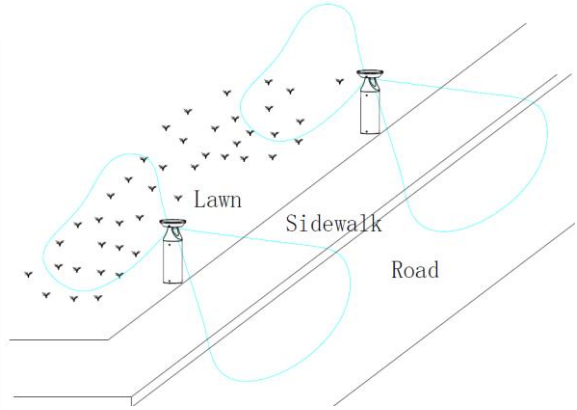
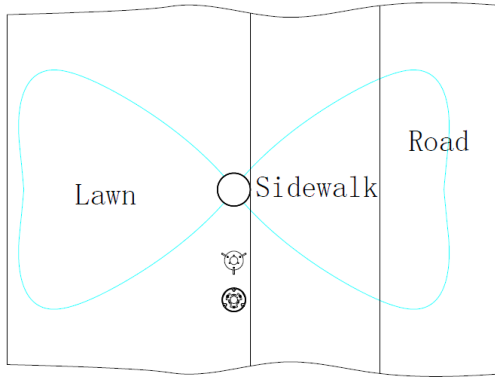
Ordered separately, field installed

PART NUMBER	DESCRIPTION	PICTURE
AE-OD-AP-ACC-REMOTE-CONTROL	Remote Control Remote control for solar LED bollard light	
AE-OD-AP-ACC-HSS	Round House Side Shield Reduce glare light	
AE-OD-AP-ACC-BACKFILLED-ANCHOR	Backfilled Anchor Q235+SPCC, hot dip galvanizing Φ130x508mm.	

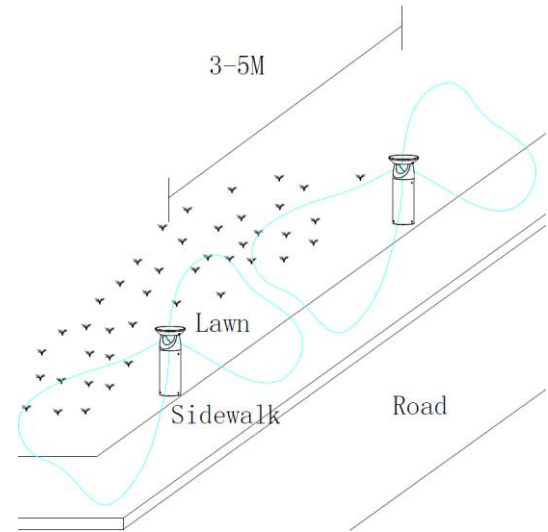
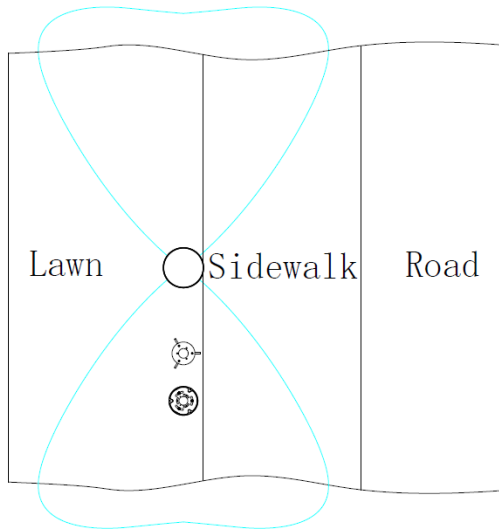
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DISTRIBUTION

Type 5 distribution light is perpendicular to the road.



Type 5 distribution light is parallel to the road.



PHOTOMETRIC DATA

AE-OD-AP-3W-XX-40-80-T5W-BK

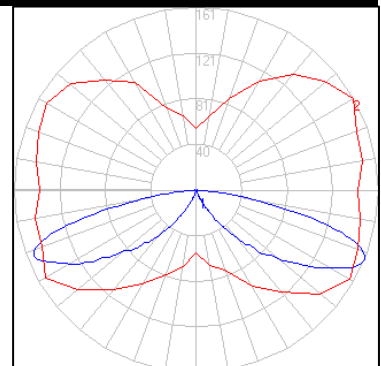
340 Lumens

4000K CCT

T5W Distribution

ZONAL LUMEN SUMMARY **POLAR LUMINOUS INTENSITY GRAPH**

ZONE	LUMENS	% OF FIXTURE
0-20°	0.24	0.1
0-30°	4.03	1.2
0-40°	20.64	5.9
0-60°	139.33	40.1
0-80°	335.02	96.3
0-90°	345.67	99.4

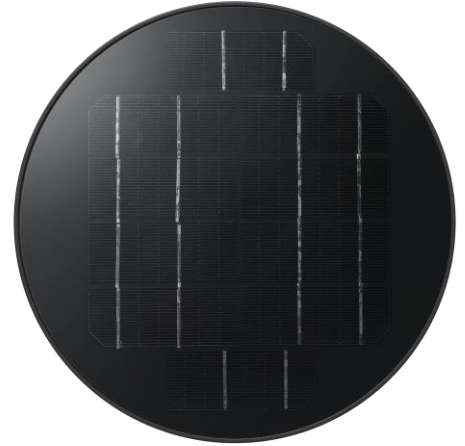


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OVERVIEW

SOLAR ENERGIZED

This bollard is powered Solar energy. the solar panel absorbs this energy and convert it to electric energy that is stored in the LifePo4 Battery. This battery is suitable for solar storage applications, they are safe and will no overheat..



AUTOMATIC ACTIVATION

This feature helps the bollard to last longer. With 8hrs charging time, it can operate for 11 hours normal mode, but with intelligent mode it can last 2-3 days. It turns on at dusk and off at dawn.

PREMIUM MATERIALS

This innovative solar bollard light is made with aluminum alloy material which is UV resistance, gives architectural design that is suitable for pathway areas gardens, sidewalks, and building entrance.

PROTECTION

The bollard is IP66, and IK07 rated. Provides protection against high pressure water jet, dust, dirt and impact. Also, it is in the C3 corrosion category.

SOLAR PANEL

The Mono-Crystalline Silicon panel has high efficiency, and it produces more electricity on smaller scale than poly panels, even in areas with lower sun light.

